BigFix® Remote ControlConsole User's Guide

# Special notice

Before using this information and the product it supports, read the information in Notices.

## Edition notice

This edition applies to version 9.5 of BigFix and to all subsequent releases and modifications until otherwise indicated in new editions.

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# Chapter 1. Overview of the BigFix Remote Control system

The BigFix® Remote Control system includes the following main components:

#### **BigFix Remote Control Target**

The target is installed on every computer that you want to control remotely with BigFix Remote Control. It listens for connection requests that come from the controller. You can also start a remote control session over the internet with a target, by using a broker.

Targets that are outside of your intranet can be configured to register their details with the server. Sessions with these targets are managed by server policies. The targets must be deployed with the **Managed** property set to Yes. The **ServerURL** and **BrokerList** properties must also be configured. Targets can also be configured so that they do not send their details to the server. These targets are classed as unregistered targets. You can install the target software and set the **Managed** property to *No*. The **BrokerList** property must also be set. You can also use the on-demand target features to start a remote control session with a computer that does not have any target software preinstalled. Server policies are used to manage the on-demand sessions. The target software is deleted at the end of the session. For information about target requirements, see Target requirements.

#### **BigFix Remote Control Controller**

The controller can be installed by using the Fixlet, or by using the installer that is provided for use in peer-to-peer sessions. It can also be launched in context from the remote control server or the BigFix Remote Control console. In all instances, the controller can be used to allow the user to control a remote computer on which the remote control target is installed. The controller delivers an interface to several actions, available to the controller user, like remote control, guidance, chat, file transfer, collaboration, and many more. For information about controller requirements, see Controller requirements.

#### **BigFix Remote Control Server**

A web application that manages all the deployed targets that are configured for managed mode and to point to the BigFix Remote Control Server 's URL. You can deploy it on an existing WebSphere® server, or install it by using the installer package along with an embedded version of WebSphere. The server listens for HTTP or HTTPS connections by default. When it is installed with the embedded WebSphere option, WebSphere it listens on ports 80 and 443. When it is deployed on top of an existing WebSphere server, the BigFix Remote Control server listens on ports 9080 and 9443. The server requires a database

server: embedded Derby, only for proof of concept deployments; DB2®, SQL Server, and Oracle are the supported options. Additionally, it can also be configured to synchronize and authenticate user and group data from an LDAPv3 server, such as Active Directory or Tivoli Directory Server. This deployment scenario has the same networking characteristics as peer-to-peer. Therefore, direct TCP connectivity is required between all the controllers and all the targets. However, the BigFix Remote Control server provides a method of centralized, and finer, policy control, where targets can have different policies that are determined by the user who is trying to start the remote control session. The Server also provides for centralized audit and storage of full session automatic recordings. In this scenario, the controller is not a stand-alone application, but is started as a Java™ Web Start application from the BigFix Remote Control server's web interface to start the remote control session.

**Note:** Peer-to-peer and managed are not exclusive modes. You can configure the BigFix Remote Control target in the following ways:

- To be strictly managed.
- To fail back to peer-to-peer mode when the server is not reachable.
- To accept both peer-to-peer and managed remote control sessions.

The following components can be used only in managed mode:

#### **BigFix Remote Control CLI tools**

CLI tools are always installed as part of the target component but you can also install them separately. The CLI provides command-line tools for the following tasks:

- Script or integrate the launch of managed remote control sessions.
- Run remote commands on computers with the managed target installed.

#### **BigFix Remote Control Gateway**

A service that is installed in computers in secure network boundaries, where there is strict control of traffic flows between the secure networks. For example, the firewall at the boundary allows only traffic between a pair of specific IP address and ports. In these scenarios, a network of gateways can be deployed. The gateway routes and tunnels the remote control traffic from the controller, which is located in a particular network zone, to the target that is in a different network zone. The gateway is a native service that can be installed on a computer that has a Windows™ or Linux™ operating system installed. It does not have a default port for listening, although 8881 is a usual choice, and can be configured for multiple incoming listening ports and outgoing connections.

#### **BigFix Remote Control Broker**

A service that is installed in computers typically in a DMZ so that computers outside the enterprise network, in an Internet cafe or at home, can reach it. The BigFix Remote Control broker receives inbound connections from the controller and the target and tunnels the remote control session data between the two components. The broker is a native service that can be installed on a Windows or a Linux computer. It does not have a default port for listening, but 443 is a recommended option because usually this port is open for outbound connections and has fewer issues with content filtering than, for example, 80 would have.

# Chapter 2. Definition of terms that are used in BigFix Remote Control

Definitions of some common terms that are used in BigFix Remote Control.

#### Remote control session

Establishing a connection to a computer in your environment to observe or actively control the computer remotely. In the session, the controller user's keyboard and mouse become the primary keyboard and mouse for the remote system. Functions such as chat, guidance, reboot, and file transfer are some of the options available for use in a remote control session. For more information about remote control sessions, see the *BigFix Remote Control Controller User's Guide*.

#### Peer-to-peer session

A remote control session that is established directly between the controller and the target. The controller user starts the controller component locally and specifies the target that they want to takeover remotely. The local properties that are set on the target are used for the session. For more information, see <u>Manage target and server configurations</u> (on page 58). For more information about using the controller UI during a session, see the *BigFix Remote Control Controller User's Guide*.

#### Managed remote control session

A remote control session in which the controller user initiates the session from the BigFix Remote Control server. The controller component starts and contacts the target to send the session request. The target contacts the server to authenticate the request and obtain the policies and permissions for the session. For more information about policies and permissions for a managed remote control session, see the *BigFix Remote Control Administrator's Guide*. If the target cannot reach the server, the session is refused.

#### Session policies

Session policies define the actions that can be carried out by the controller user and the features available on the target system during a remote control session. In a peer to peer session the policies are determined by the local properties that are defined on the target. In a managed session, the policies and permissions that are resolved from user and target group relationships determine what actions can be carried out. For more information about how policies and permissions are derived for a managed remote control session, see the *BigFix Remote Control Administrator's Guide*.

### Chapter 3. The BigFix Remote Control console

BigFix Remote Control encompasses a host of features that provide the components that are required for remote takeover and monitoring of workstations and servers in your deployment.

The navigation tree in the BigFix console, which is available for all BigFix products, serves as your central command for all BigFix Remote Control functions. The navigation tree gives you easy access to all reports, wizards, Fixlet messages, analyses, and tasks that are related to controlling and managing the target systems in your network.

### Components

The BigFix Console organizes content into four parts:

#### Domain pane

Includes navigation tree and list of all domains.

#### **Navigation Tree**

Includes list of nodes and subnodes that contain site content.

#### List pane

Contains listing of tasks and Fixlets.

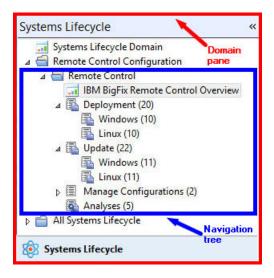
#### **Work Area**

Work pane where Fixlet and dialogs display.

In the context of the BigFix Console, products or sites are grouped by categories or domains. For example, Remote Control is one of the sites that are contained within the Systems Lifecycle domain.

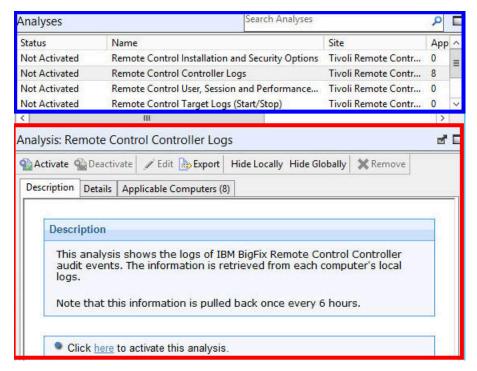
The Domain pane is the area on the left side of the Console that includes a navigation tree and a list of all domains. The Navigation Tree includes a list of nodes and subnodes that contain site content.

Click the Systems Lifecycle domain to see a list of sites that are associated with that domain.



The red outer area represents the entire Domain pane, including the navigation tree and list of domains. The blue inner area contains just the Navigation Tree for the Remote Control site.

BigFix Remote Control tasks are sorted by using upper and lower task panes, that are on the right side of the Console.



The upper pane, called the List pane, contains columns that sort data according to type, for example, Status, Name, Site, Applicable Computer Count. The lower pane or Work Area presents the Fixlet task pane from which you are directed to take specific actions to customize the content in your deployment.

## Chapter 4. Dashboards overview

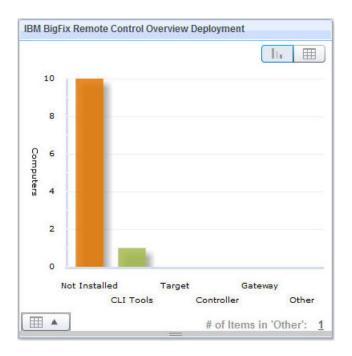
BigFix Remote Control offers a convenient dashboard for viewing the deployment distribution of the BigFix Remote Control components in your environment and the distribution of the type of target deployment carried out. You can access this dashboard from the top of the Remote Control navigation tree by selecting **BigFix Remote Control Overview**.



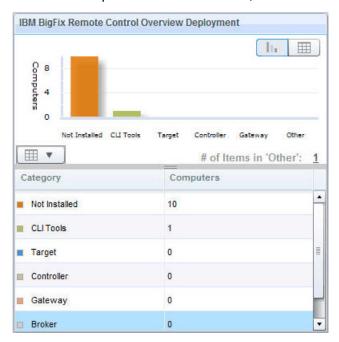
### View deployment distribution data

The BigFix Remote Control Overview dashboard includes two separate sections that show the deployment distribution of BigFix Remote Control and the target deployment type, distribution.

The **BigFix Remote Control Overview Deployment** section displays the number of computers in your environment that have the various BigFix Remote Control components installed. To view different representations of the data, click the icons at the upper right of the section to display a graphical version or data table version.

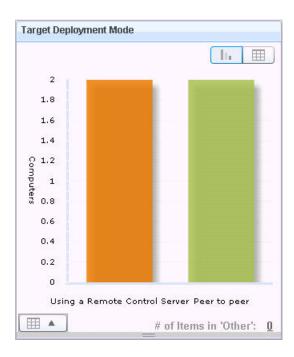


To view both representations of the data, click the icon on the lower left of the graph.



The **Target Deployment Mode** section shows the distribution of the type of target deployment that was carried out, on the computers in your environment. For more information about the different target deployment types, see <u>Deploy the BigFix Remote Control components</u> (on page 10). To view different

representations of the data, click the icons at the upper right of the section to display a graphical version or data table version.



To view both representations of the data click the icon on the lower left of the graph.

Use the refresh icon to display the latest deployment distribution data.

Use the print icon to print the dashboard data to a pdf file. Save the file to a specific location for future printing.

### Chapter 5. Functions within BigFix Remote Control

The BigFix Remote Control navigation tree provides a suite of Fixlets, tasks, and wizards. Use the functions to deploy, configure, and update the components that you need to run remote control sessions in your environment. You can also gather data from the components.

### Deploy the BigFix Remote Control components

The **Deployment** node in the BigFix Remote Control navigation tree provides subnodes that are operating system specific. Within the subnodes, you can deploy the components that you need to establish a remote control session. You can also deploy utilities that you can use to connect to targets by using the command line. Select the node that is relevant to your operating system.

**Note:** The BigFix Remote Control components can also be deployed by using the installation files. For more information, see the *BigFix Remote Control Installation Guide*.

#### Controller

The controller component must be deployed on the computers that initiate the remote control session when you do not have access to an BigFix Remote Control server.

#### **Target**

The target component must be deployed on the computers that are controlled during a remote control session. BigFix Remote Control offers two ways of deploying the target component. You can install the target for peer-to-peer sessions or for managed sessions. Both of these session types are explained in <u>Definition of terms that are used in BigFix Remote Control (on page 4)</u> and in more detail in the *BigFix Remote Control Controller User's Guide*.

**Note:** The "Using the BigFix Remote Control server" method requires an BigFix Remote Control server to be installed in your environment.

#### **CLI tools**

The command line tools contain two utilities that you can run from the command line. Use the utilities to start a remote control session with a target or run commands on a target system without target user interaction. The tools can be useful if you want to connect to a target without accessing the BigFix Remote Control Server interface. You can also use them in scripts to run multiple commands in an automated fashion.

**Note:** To deploy the CLI tools, you must have the URL of an BigFix Remote Control server that you have access to.

#### Gateway

If you have targets, controllers, and servers on different networks that cannot directly contact each other you can install and configure gateway support. Use the gateway support, to configure your network to allow the connections to be established.

#### **Broker**

Deploy the broker component when you have targets that are outside of the enterprise network, on the internet. The broker component is used to make the connection between the controller and target in a remote control session through the internet.

### Deploy the components on a Windows system

The **Windows** deployment node provides a set of tasks that you can use to install or remove the following components in a Windows operating system environment.

- · Target and controller software
- · CLI tools
- · Gateway support
- · Broker support

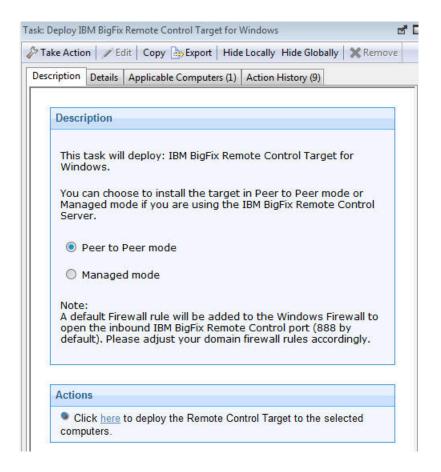
### Deploying the Windows target

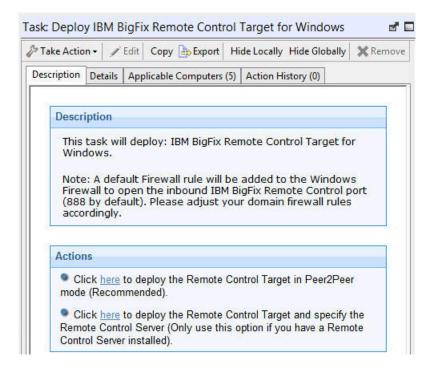
Use the **Deploy BigFix Remote Control Target for Windows** task to install the target software on a Windows computer.

To start this task, complete the following steps:

- 1. In the navigation tree, click **Deployment > Windows**.
- 2. Click Deploy BigFix Remote Control Target for Windows.
- 3. In the Task pane, review the description and follow the instructions in the Actions box to start the task.

Two actions are available for this task. Determine your relevant installation method and follow the instructions that are given.





#### Deploy the remote control target in Peer2Peer mode

#### Peer to Peer mode

With this installation method, you can establish remote control sessions directly between the controller and the target without the need for an BigFix Remote Control server. This deployment method installs the target without requiring an BigFix Remote Control server URL to be specified. The local target policies set by this installation method are used when a remote control session is established. For more information about the target installation properties, see <a href="Manage target and server configurations">Manage target and server configurations</a> (on page 58).

In the Take Action pane on the Target tab, select the relevant option for determining which computers to deploy the BigFix Remote Control target on.

In the Take Action pane on the Target tab, select the relevant option for determining the computers on which to deploy the BigFix Remote Control target.

Click **OK** and enter your Private Key Password.

The summary screen shows the progress of the task and displays status *complete* when it is finished.

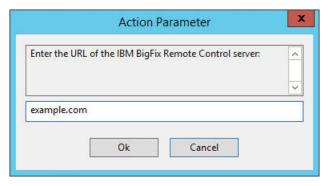
Note: For the target to register with the BigFix Remote Control server in the future, use the BigFix Remote Control Target wizard. Create a configuration task and specify the server URL of the relevant server. Run the task on the selected target to reconfigure it so that it can contact the server. For more information about target configuration tasks, see Creating BigFix Remote Control target configuration tasks (on page 73). If the secure registration feature is enabled on the server you can distribute a secure registration token to the target. For more information, see Distributing a secure registration token to targets (on page 122).

### Deploy the remote control target and specify the BigFix Remote Control Server Managed mode

Choose this installation option for targets to register with the BigFix Remote Control server and take part in remote control sessions started from the server. This deployment method requires an BigFix Remote Control server URL to be specified. If a remote control session is requested with this target, the specified server is contacted to authenticate the request. When the request is authenticated, the policies for the session are passed from the remote control server to the target and the session is established.

For more information about target installation properties, see <u>Manage target and server</u> configurations (on page 58).

Enter the URL of your BigFix Remote Control server and click OK.



In the Take Action pane on the Target tab, select the relevant option for determining which computers to deploy the BigFix Remote Control target on.

In the Take Action pane on the Target tab, select the relevant option for determining the computers on which to deploy the BigFix Remote Control target.

Click **OK**and enter your Private Key Password.

The summary screen shows the progress of the task and status *complete* when it is finished.

Choose this installation option for targets to register with the BigFix Remote Control server and take part in remote control sessions that are started from the server. This deployment method requires an BigFix Remote Control server URL to be specified. If a remote control session is requested with this target, the specified server is contacted to authenticate the request. When the request is authenticated, the policies for the session are passed from the remote control server to the target and the session is established. For more information about target installation properties, see <a href="Manage target and server configurations">Manage target and server configurations</a> (on page 58).

Enter the URL of your BigFix Remote Control server.

Enter a valid secure registration token if the secure target registration feature is enabled on the server.

Description	
	igFix Remote Control Target for Windows. ne target in Peer to Peer mode or Managed mode Fix Remote Control Server.
O Peer to Peer mode	
Managed mode	
Remote Control server URL :	
Secure registration token (if required) :	
	e added to the Windows Firewall to open the Control port (888 by default). Please adjust accordingly.

In the Take Action pane on the Target tab, select the relevant option for determining the computers on which to deploy the BigFix Remote Control target.

Click **OK**and enter your Private Key Password.

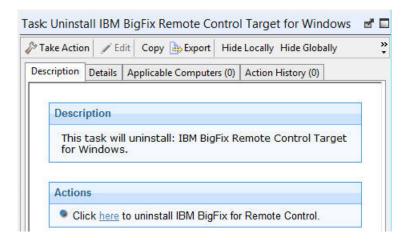
The summary screen shows the progress of the task and status *complete* when it is finished.

### Removing the Windows target

You can use the **Uninstall BigFix Remote Control Target for Windows** task to remove the target software from a Windows computer that has the target software already installed.

To start the task, complete the following steps:

- 1. Click **Deployment > Windows** in the navigation tree.
- 2. Click Uninstall BigFix Remote Control target for Windows.
- 3. In the Task pane, review the description and follow the instructions in the Actions box to start the task.



- 4. In the **Take Action** pane, on the Target tab, select the relevant option for determining which targets to remove the BigFix Remote Control target from.
- 5. Click **OK** and enter your Private Key Password.

The summary screen shows the progress of the task.

Note: After the removal of the target, some files might not be deleted automatically. The files are created as part of the installation of the target. These files are in Documents and Settings\All Users\Application Data\IBM\Tivoli\Remote Control.

### Deploying the Windows controller

You can use the **Deploy BigFix Remote Control Controller for Windows** task to install the controller software onto a Windows computer.

Note: To start a remote control session from the BigFix console, deploy the controller to the same computer as the console is installed on. However, when the controller is deployed, only the current user who is logged on to the computer that you are deploying to has the rights to see the menu item to start a session. The menu item is not visible to other users.

To start this task, complete the following steps:

- 1. Click **Deployment > Windows** in the navigation tree.
- 2. Click Deploy BigFix Remote Control Controller for Windows.

3. In the **Task pane**, review the description and follow the instructions in the **Actions** box to start the task.



- 4. In the Take Action pane on the Target tab, select the relevant option for determining which targets to deploy the controller on.
- 5. Click **OK** and enter your Private Key Password.

The summary screen shows the progress of the task.

### Removing the Windows controller

You can use the **Uninstall BigFix Remote Control Controller for Windows** task to remove the controller software from a Windows computer that has the controller software already installed.

To start this task, complete the following steps:

- 1. Click **Deployment > Windows** in the navigation tree.
- 2. Click Uninstall BigFix Remote Control Controller for Windows.
- 3. In the Task pane, review the description and follow the instructions in the Actions box to start the task.



- 4. In the Take Action pane, in the Target tab, select the relevant option for determining which targets to remove the BigFix Remote Control controller from.
- 5. Click **OK** and enter your Private Key Password.

The summary screen shows the progress of the task.

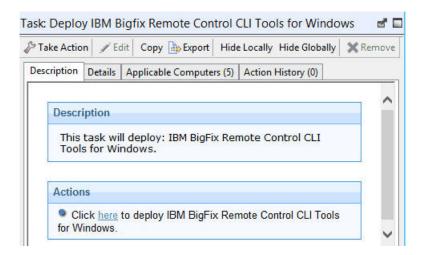
### Deploying the Windows CLI tools

You can use the **Deploy BigFix Remote Control CLI Tools for Windows** task to install the CLI tools onto a Windows computer. Use the CLI tools to start a session from the command line. You can also use the tools to run commands on the remote target.

To initiate this task, complete the following steps:



- The CLI tools are also installed when you install the target software. Therefore, use the **Deploy BigFix Remote Control CLI Tools for Windows** Fixlet to deploy the CLI tools only on computers that do not have the target software installed.
- 2. To deploy this task, you need the URL for an BigFix Remote Control server that you have access to.
- 1. Click **Deployment > Windows** in the navigation tree.
- 2. Click Deploy BigFix Remote Control CLI Tools for Windows.
- 3. In the Task pane, review the description and follow the instructions in the Actions box to start the task.



- 4. Enter the URL of the BigFix Remote Control server and click **OK**.
- 5. In the Take Action pane on the Target tab, select the relevant option for determining which targets to deploy the CLI tools on.
- 6. Click **OK** and enter your Private Key Password.

The summary screen shows the progress of the task.

The two CLI utilities are installed in the \Program Files\IBM\tivoli\Remote Control\Target directory on the targets that you selected when you ran the deployment task.

#### wrc.exe

Use this tool to start a remote control session with a target.

#### wrcmdpcr.exe

Use this tool to run a command on a target. The output from the command is displayed on the computer that you ran the command from.

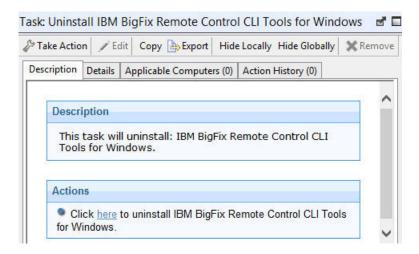
For more information about how to use the command line tools, see the *BigFix Remote Control Controller User's Guide.* 

### Removing the Windows CLI tools

You can use the **Uninstall BigFix Remote Control CLI Tools for Windows** task to remove the CLI tools from a Windows computer that has the CLI tools already installed.

To start this task, complete the following steps:

- 1. Click **Deployment > Windows** in the navigation tree.
- 2. Click Uninstall BigFix Remote Control CLI Tools for Windows.
- 3. In the Task pane, review the description and follow the instructions in the Actions box to start the task.



- 4. In the Take Action pane, in the Target tab, select the relevant option for determining which targets to remove the CLI tools from.
- 5. Click **OK** and enter your Private Key Password.

The summary screen shows the progress of the task. The CLI tools are removed from the selected targets.

Note: After the removal of the cli tools, some files might not be deleted automatically. The files were created during the installation of the cli tools. These files are in Documents and Settings\All Users\Application Data\IBM\Tivoli\Remote Control.

### Deploying the Windows gateway support

You can use the **Deploy BigFix Remote Control Gateway for Windows** task to install gateway support onto a Windows computer.

To start this task, complete the following steps:

1. Click **Deployment > Windows** in the navigation tree.

- 2. Click Deploy BigFix Remote Control Gateway for Windows.
- 3. In the Task pane, review the description and follow the instructions in the Actions box to start the task.



- 4. In the Take Action pane on the Target tab, select the relevant option for determining which targets to deploy the gateway support on.
- 5. Click **OK** and enter your Private Key Password.

The summary screen shows the progress of the task.

Gateway support is installed on the targets that you selected when you ran the deployment task. The files are in the \Program Files\IBM\tivoli\Remote Control\Gateway directory on the selected targets.

To use the gateway support, you must set up a gateway configuration for your environment. For more information about configuring the gateways, see the *BigFix Remote Control Administrator's Guide* 

### Removing the Windows gateway support

You can use the **Uninstall BigFix Remote Control Gateway support for Windows** task to remove the gateway support files from a Windows computer.

To initiate this task, complete the following steps:

- 1. Click **Deployment > Windows** in the navigation tree.
- 2. Click Uninstall BigFix Remote Control Gateway for Windows.
- 3. In the Task pane, review the description and follow the instructions in the Actions box to start the task.



- 4. In the Take Action pane, in the Target tab, select the relevant option for determining which targets to remove the gateway support from.
- 5. Click **OK** and enter your Private Key Password.

The summary screen shows the progress of the task.

The gateway support files are removed from the selected targets.

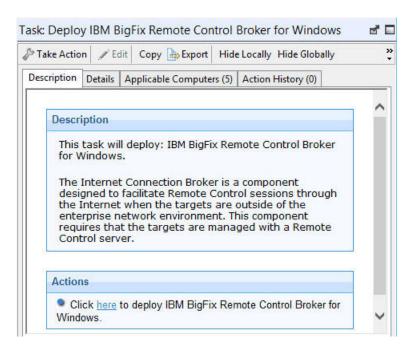
### Deploying Windows broker support

You can use the **Deploy BigFix Remote Control Broker for Windows** task to install broker support on a Windows computer

To initiate this task, complete the following steps:

- 1. Click **Deployment > Windows** in the navigation tree.
- 2. Click Deploy BigFix Remote Control Broker for Windows.

3. In the Task pane, review the description and follow the instructions in the Actions box to start the task.



- 4. In the Take Action pane on the Target tab, select the relevant option for determining which targets to deploy the broker support on.
- 5. Click **OK** and enter your Private Key Password.

The summary screen shows the progress of the task. Broker support is installed on the targets that you selected when you ran the deployment task. The files are installed in the <code>[working dir]\Broker</code> directory on the selected targets. The value of <code>[working dir]</code> is determined by the version of Windows operating system that you are installing the broker support on. For example, <code>C:\Documents and Settings\All Users\Application Data\IBM\Tivoli\Remote Control</code>. To use the broker support, you must set up a broker configuration for your environment. For more information about configuring the broker, see the <code>BigFix Remote Control Administrator</code>'s <code>Guide</code>.

### Removing Windows broker support

You can use the **Uninstall BigFix Remote Control Broker for Windows** task to remove broker support from a Windows computer

To initiate this task, complete the following steps:

- 1. Click **Deployment > Windows** in the navigation tree.
- 2. Click Uninstall BigFix Remote Control Broker for Windows.
- 3. In the Task pane, review the description and follow the instructions in the Actions box to start the task.



- 4. In the Take Action pane on the Target tab, select the relevant option for determining which targets to remove the broker support from.
- 5. Click **OK** and enter your Private Key Password.

The summary screen shows the progress of the task. The broker support files are removed from the chosen targets.

### Deploy the components on a Linux system

The **Linux** deployment node provides a set of tasks that you can use to install or remove the following components in a Linux environment.

- · Target and controller software
- CLI tools
- · Gateway support
- · Broker support

**Note:** To install the target, CLI and gateway components on a Red Hat Linux version 6.0 64-bit computer, the following libraries, along with their dependencies, must be installed if they are not already

installed. For all components, glibc.i686 and additionally for the target component, libgcc.i686, libXmu.i686, libXi.i686, libXp.i686,libXtst.i686, and libXScrnSaver.i686.

Note: The target, CLI, gateway, and broker component installation packages depend on the 32-bit version of the following libraries. For all components, **glibc** and **libblkid**. Also, for the target component, **libgcc**, **libXmu**, **libXtst**, **libXp**, **libXi**, **libXScrnSaver**, and **libXinerama**. Therefore, you must ensure that the libraries are installed.

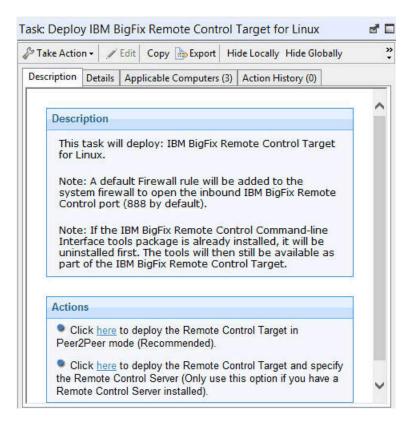
### Deploying the Linux target

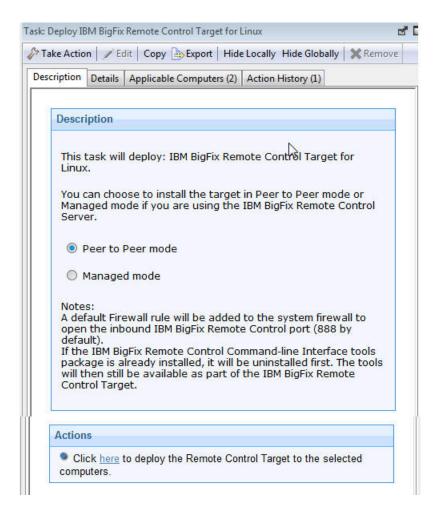
You can use the **Deploy BigFix Remote Control Target for Linux** task to install the target software onto a Linux computer.

To initiate this task, complete the following steps:

- 1. Click **Deployment > Linux** in the navigation tree.
- 2. Click Deploy BigFix Remote Control target for Linux.
- 3. In the Task pane, review the description and follow the instructions in the Actions box to start the task.

Two actions are available for this task. Determine your installation method and follow the instructions that are given.





#### Deploy the remote control target in Peer2Peer mode

#### Peer to Peer mode

With this installation method, you can establish remote control sessions directly between the controller and the target without the need for an BigFix Remote Control server. This deployment method installs the target without requiring an BigFix Remote Control server URL to be specified. The local target policies that are set by this installation method are used when a remote control session is established. For more information about target installation properties, see <a href="Manage target and server configurations">Manage target and server configurations (on page 58)</a>.

In the Take Action pane on the Target tab, select the relevant option for determining which computers to deploy the BigFix Remote Control target on.

In the Take Action pane on the Target tab, select the relevant option for determining the computers on which to deploy the BigFix Remote Control target.

Click **OK** and enter your Private Key Password.

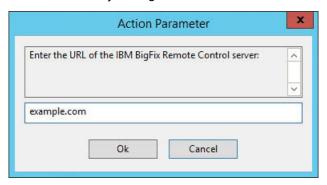
The summary screen shows the progress of the task.

Note: To register the target on the BigFix Remote Control server in the future, use the Target wizard to create a configuration task and specify the server URL of your server. Running this task on the selected target reconfigures it so that it can contact the server. For more information about target configuration tasks, see <a href="Creating BigFix Remote Control target configuration tasks">Creating BigFix Remote Control target configuration tasks</a> (on page 73). If the secure registration feature is enabled on the server you can distribute a secure registration token to the target. For more information, see <a href="Distributing a secure registration token to targets">Distributing a secure registration token to targets</a> (on page 122).

### Deploy the remote control target and specify the BigFix Remote Control Server Managed mode

Choose this installation option for targets to register with the BigFix Remote Control server and take part in remote control sessions started from the server. This deployment method requires an BigFix Remote Control server URL to be specified. If a remote control session, started from the Remote Control server, is requested with this target, the specified server is contacted to authenticate the request. When the request is authenticated, the policies that are set for the session are passed from the Remote Control server to the target and the session is started. For more information about target installation properties, see Manage target and server configurations (on page 58).

Enter the URL of your BigFix Remote Control server and click OK.



In the Take Action pane on the Target tab, select the relevant option for determining which computers to deploy the BigFix Remote Control target on.

In the Take Action pane on the Target tab, select the relevant option for determining the computers on which to deploy the BigFix Remote Control target.

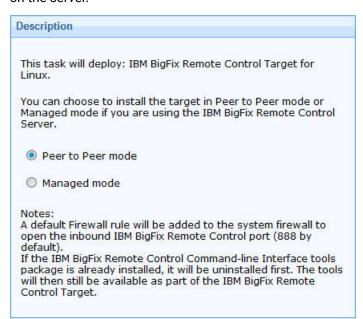
Click OK and enter your Private Key Password.

The summary screen shows the progress of the task.

Choose this installation option for targets to register with the BigFix Remote Control server and take part in remote control sessions started from the server. This deployment method requires an BigFix Remote Control server URL to be specified. If a remote control session, started from the Remote Control server, is requested with this target, the specified server is contacted to authenticate the request. When the request is authenticated, the policies that are set for the session are passed from the Remote Control server to the target and the session is started. For more information about target installation properties, see Manage target and server configurations (on page 58).

Enter the URL of your BigFix Remote Control server.

Enter a valid secure registration token if the secure target registration feature is enabled on the server.



In the Take Action pane on the Target tab, select the relevant option for determining which computers to deploy the BigFix Remote Control target on.

In the Take Action pane on the Target tab, select the relevant option for determining the computers on which to deploy the BigFix Remote Control target.

Click **OK** and enter your Private Key Password.

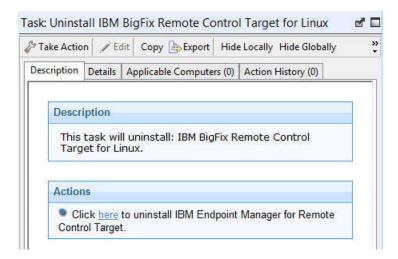
The summary screen shows the progress of the task.

### Removing the Linux target

You can use the **Uninstall BigFix Remote Control Target for Linux** task to remove the target software from a Linux computer.

To initiate this task, complete the following steps:

- 1. Click **Deployment > Linux** > in the navigation tree.
- 2. Click Uninstall BigFix Remote Control target for Linux.
- 3. In the Task pane, review the description and follow the instructions in the Actions box to start the task.



- 4. In the Take Action pane, on the Target tab, select the relevant option for determining which targets to remove the BigFix Remote Control target from.
- 5. Click **OK** and enter your Private Key Password.

The summary screen shows the progress of the task.

**Note:** After the removal of the target, some files might not be deleted automatically. The files were created during the installation of the target. These files are in the following directories /opt/ibm and /var/opt/ibm/trc/target.

### Deploying the Linux controller

You can use the **Deploy BigFix Remote Control Controller for Linux** task to install the controller software onto a Linux computer.

Note: If you are installing the controller on a Red Hat 6.0 64-bit computer the following extra libraries, along with all their dependencies, must be installed: libXft.i686 libXmu.i686 libXp.i686 libXtst.i686.

To initiate this task, complete the following steps:

- 1. Click **Deployment > Linux** in the navigation tree.
- 2. Click Deploy BigFix Remote Control Controller for Linux.
- 3. In the Task pane, review the description and follow the instructions in the Actions box to start the task.



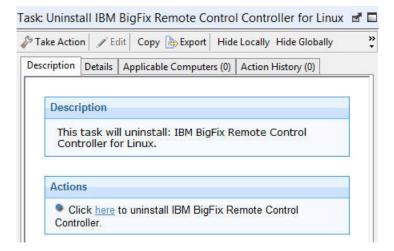
- 4. In the Take Action pane on the Target tab, select the relevant option for determining which targets to deploy the controller on.
- 5. Click **OK** and enter your Private Key Password.

## Removing the Linux controller

You can use the **Uninstall BigFix Remote Control Controller for Linux** task to remove the controller software from a Linux computer.

To initiate this task, complete the following steps:

- 1. Click **Deployment > Linux** in the navigation tree.
- 2. Click Uninstall BigFix Remote Control Controller for Linux.
- 3. In the Task pane, review the description and follow the instructions in the Actions box to start the task.



- 4. In the Take Action pane, in the Target tab, select the relevant option for determining which targets to remove the BigFix Remote Control controller from.
- 5. Click **OK** and enter your Private Key Password.

The summary screen shows the progress of the task.

# Deploying the Linux CLI tools

You can use the **Deploy BigFix Remote Control CLI Tools for Linux** task to install the CLI tools onto a Linux computer.

## Note:

- The CLI tools are also installed when you install the target software. Therefore, use the **Deploy BigFix Remote Control CLI Tools for Linux** Fixlet to deploy the CLI tools only on computers that do not have the target software installed.
- 2. To deploy this task, you need the URL for an BigFix Remote Control server that you have access to.

To initiate this task, complete the following steps:

- 1. Click **Deployment > Linux** in the navigation tree.
- 2. Click Deploy BigFix Remote Control CLI Tools for Linux.
- 3. In the Task pane, review the description and follow the instructions in the Actions box to start the task.



- 4. Enter the URL of the BigFix Remote Control server and click **OK**.
- 5. In the Take Action pane on the Target tab, select the relevant option for determining which targets to deploy the CLI tools on.
- 6. Click **OK** and enter your Private Key Password.

The summary screen shows the progress of the task and displays status complete when it is finished.

The following two CLI utilities are installed in the /opt/IBM/trc/target directory on the targets that were selected when you ran the deployment task.

Use this tool to start a remote control session with a target.

#### wrcmdpcr

Use this tool to run a command on a target. The output from the command is displayed on the computer that you ran the command from.

For more information about how to use the command line tools, see the *BigFix Remote Control Controller User's Guide.* 

## Removing the Linux CLI tools

You can use the **Uninstall BigFix Remote Control CLI Tools for Linux** task to remove the CLI tools from a Linux computer that has the CLI tools already installed.

To initiate this task, complete the following steps:

- 1. Click **Deployment > Linux** in the navigation tree.
- 2. Click Uninstall BigFix Remote Control CLI Tools for Linux.
- 3. In the Task pane, review the description and follow the instructions in the Actions box to start the task.



- 4. In the Take Action pane, in the Target tab, select the relevant option for determining which targets to remove the CLI tools from.
- 5. Click **OK** and enter your Private Key Password.

The CLI tools are longer present on the selected targets.

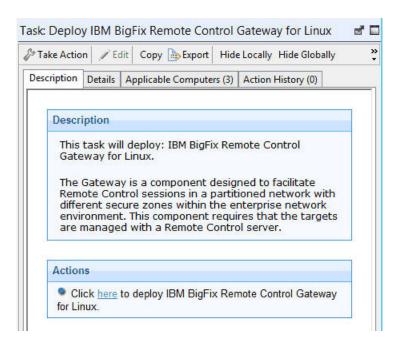
**Note:** After the removal of the CLI tools, some files might not be deleted automatically. The files were created during the installation of the tools. These files are in the following directories /etc,/opt/ibm,/var/opt/ibm/trc/cli, and /var/opt/ibm/trc/target.

## Deploying the Linux gateway support

You can use the **Deploy BigFix Remote Control Gateway for Linux** task to install gateway support onto a Linux computer.

To initiate this task, complete the following steps:

- 1. Click **Deployment > Linux** in the navigation tree.
- 2. Click Deploy BigFix Remote Control Gateway for Linux.
- 3. In the Task pane, review the description and follow the instructions in the Actions box to start the task.



4. In the Take Action pane on the Target tab, select the relevant option for determining which targets to deploy the gateway support on.

5. Click **OK** and enter your Private Key Password.

The summary screen shows the progress of the task and displays status complete when it is finished.

Gateway support is installed on the targets that you selected when you ran the deployment task. The files are installed in the /opt/IBM/trc/gateway directory on the selected targets.

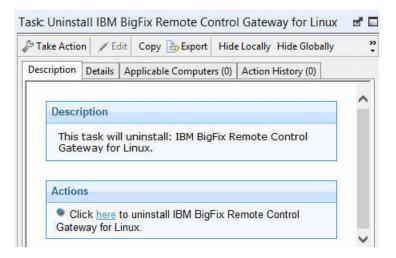
To use the gateway support, you must set up a gateway configuration for your environment. For more information about configuring the gateway, see the *BigFix Remote Control Administrator's Guide*.

## Removing the Linux gateway support

You can use the **Uninstall BigFix Remote Control Gateway support for Linux** task to remove the gateway support files from a Linux computer.

To initiate this task, complete the following steps:

- 1. Click **Deployment > Linux** in the navigation tree.
- 2. Click Uninstall BigFix Remote Control Gateway for Linux.
- 3. In the Task pane, review the description and follow the instructions in the Actions box to start the task.



- 4. In the Take Action pane, in the Target tab, select the relevant option for determining which targets to remove the gateway support from.
- 5. Click **OK** and enter your Private Key Password.

The summary screen shows the progress of the task and displays status complete when it is finished.

The gateway support files are removed from the selected targets.

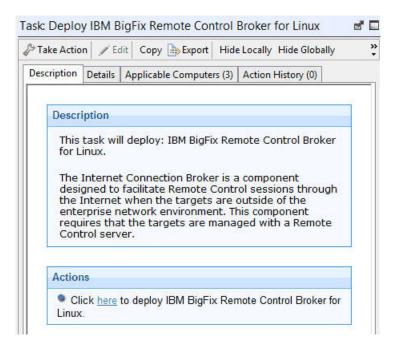
**Note:** After the removal of the gateway support, some files might not be deleted automatically. The files were created during the installation of the gateway component. The files are in the directory /opt/ibm and /var/opt/ibm/trc/gateway.

## Deploying Linux broker support

You can use the **Deploy BigFix Remote Control Broker for Linux** task to install broker support on a Linux computer.

To initiate this task, complete the following steps:

- 1. Click **Deployment > Linux** in the navigation tree.
- 2. Click Deploy BigFix Remote Control Broker for Linux.
- 3. In the Task pane, review the description and follow the instructions in the Actions box to start the task.



4. In the Take Action pane on the Target tab, select the relevant option for determining which targets to deploy the broker support on.

5. Click **OK** and enter your Private Key Password.

The summary screen shows the progress of the task. The broker support files are installed on the targets that you selected when you ran the deployment task. The files are installed in the <code>/opt/IBM/trc/broker</code> directory on the selected targets. To use the broker support you must set up a broker configuration for your environment. For more information about configuring the broker, see the <code>BigFix Remote Control Administrator</code>'s <code>Guide</code>.

# Removing Linux broker support

You can use the **Uninstall BigFix Remote Control Broker for Linux** task to remove broker support from a Linux computer

To initiate this task, complete the following steps:

- 1. Click **Deployment > Linux** in the navigation tree.
- 2. Click Uninstall BigFix Remote Control Broker for Linux.
- 3. In the Task pane, review the description and follow the instructions in the Actions box to start the task.



- 4. In the Take Action pane on the Target tab, select the relevant option for determining which targets to remove the broker support from.
- 5. Click **OK** and enter your Private Key Password.

The summary screen shows the progress of the task. The broker support files are removed from the chosen targets.

## Deploy the components on a macOS system.

The **macOS** deployment node provides a set of tasks that you can use to install or remove the following components in a macOS operating system environment.

- Target component
- Controller component

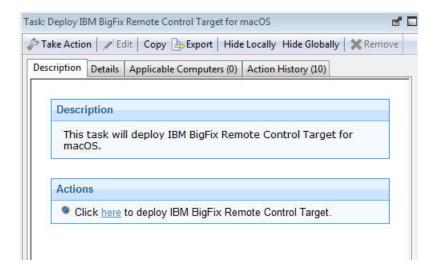
# Deploying the BigFix Remote Control Target for macOS

Use the **Deploy BigFix Remote Control Target for macOS** task to install the target software onto a macOS system.

**Note:** An option to select managed mode, which prompts for a server URL and a secure registration token, is not available because managed mode is not supported on the BigFix Remote Control Target for macOS.

To install the target, complete the following steps:

- 1. Within the Systems Lifecycle domain, expand Remote Control configuration > Remote Control.
- 2. Expand the **Deployment** node.
- 3. Select macOS.
- 4. Select Deploy BigFix Remote Control Target for macOS.
- 5. In the **Task** pane, review the description and follow the instructions in the **Actions** box to start the task.



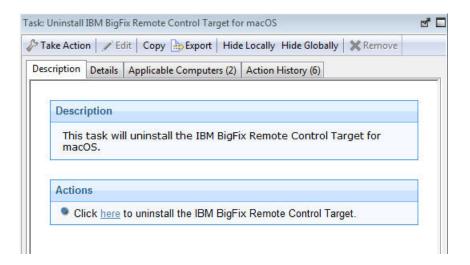
- 6. In the **Take Action** pane on the **Target** tab, select the relevant option for determining the computers on which to deploy the BigFix Remote Control Target for macOS component.
- 7. Click OK.

# Removing the BigFix Remote Control Target for macOS

Use the **Uninstall BigFix Remote Control Target for macOS** task to remove the target software from a macOS system.

To remove the target, complete the following steps:

- 1. Within the Systems Lifecycle domain, expand Remote Control configuration > Remote Control.
- 2. Expand the **Deployment** node.
- 3. Select macOS.
- 4. Select Uninstall BigFix Remote Control Target for macOS.
- In the Task pane, review the description and follow the instructions in the Actions box to start the task.



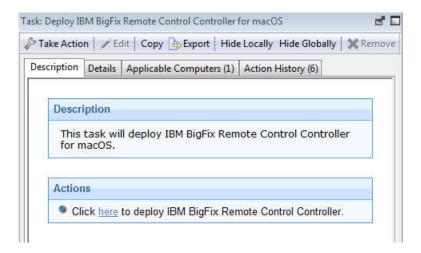
- 6. In the **Take Action** pane on the **Target** tab, select the relevant option for determining which computers to remove the BigFix Remote Control Target for macOS component from.
- 7. Click **OK**.

# Deploying the BigFix Remote Control Controller for macOS

Use the **Deploy BigFix Remote Control Controller for macOS** task to install the controller software onto a macOS system.

To install the controller, complete the following steps:

- 1. Within the Systems Lifecycle domain, expand Remote Control configuration > Remote Control.
- 2. Expand the **Deployment** node.
- 3. Select macOS.
- 4. Select **Deploy BigFix Remote Control Controller for macOS**.
- 5. In the **Task** pane, review the description and follow the instructions in the **Actions** box to start the task.



- 6. In the **Take Action** pane on the **Target** tab, select the relevant option for determining which computers to deploy the BigFix Remote Control Controller for macOS component on.
- 7. Click OK.

# Removing the BigFix Remote Control Controller for macOS

Use the **Uninstall BigFix Remote Control Controller for macOS** task to remove the controller software from a macOS system.

To remove the controller, complete the following steps:

- 1. Within the **Systems Lifecycle** domain, expand **Remote Control configuration > Remote Control**.
- 2. Expand the **Deployment** node.
- 3. Select macOS.
- 4. Select Uninstall BigFix Remote Control Controller for macOS.
- 5. In the **Task** pane, review the description and follow the instructions in the **Actions** box to start the task.



- 6. In the **Take Action** pane on the **Target** tab, select the relevant option for determining which computers to remove the BigFix Remote Control Controller for macOS component from.
- 7. Click OK.

# Update the BigFix Remote Control components

The **Update** node in the BigFix Remote Control navigation tree provides subnodes that are operating system specific. Use the **Update** node to upgrade the components to a later version. To view a list of tasks that you can use to upgrade the components, select the relevant operating system node.

# Update the components on a Windows system

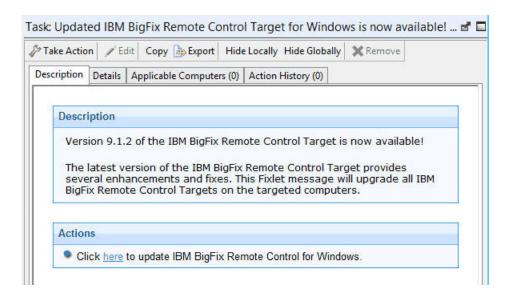
The **Windows** subnode provides the latest levels of BigFix Remote Control component software for use on a Windows system. The components contain the latest enhancements and fixes that are applied to BigFix Remote Control.

# Updating the Windows target

You can use the Windows operating system tasks to update the target software, on a Windows computer. These tasks apply any new enhancements and fixes that are included in the chosen version to the target configuration that is already installed. To initiate a task, complete the following steps:

- 1. Click **Updates > Windows** in the navigation tree.
- Select the Fixlet that is relevant to the version of the target that you want to upgrade to.
   For example, Updated BigFix Remote Control Target for Windows is now available! (Version 9.1.2).
- 3. In the **Task** window, review the description and follow the instructions in the Actions box to initiate the task.

For example,



- 4. In the **Take Action** window on the Target tab, select the relevant option for determining which targets to install the target update on.
- 5. Click **OK** and enter your Private Key Password.

The summary screen shows the progress of the task.

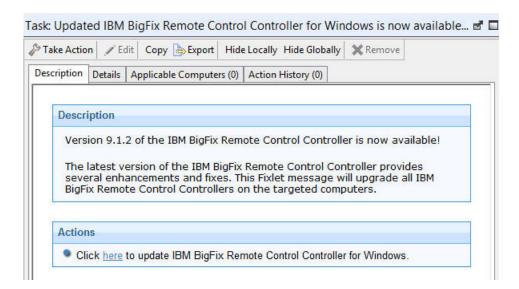
The selected targets are upgraded to the version of target software that is applicable to the chosen update.

# Updating the Windows controller

Use the Windows operating tasks to update the controller software, on a Windows computer. These tasks apply any new enhancements and fixes that are included in the chosen version to the controller that is already installed. To initiate a task, complete the following steps:

- 1. Click **Updates > Windows** in the navigation tree.
- 2. Select the Fixlet that is relevant to the version of controller that you want to upgrade to.

  For example, **Updated BigFix Remote Control Controller for Windows is now available!** (**Version 9.1.2**).
- 3. In the **Task** window, review the description and follow the instructions in the Actions box to initiate the task.



- 4. In the **Take Action** window on the Target tab, select the relevant option for determining which targets to install the controller update on.
- 5. Click **OK** and enter your Private Key Password.

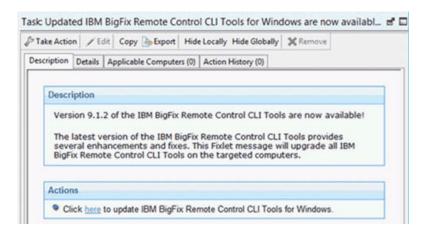
The controller software on the selected targets is upgraded to the version of the chosen update.

# Updating the Windows command line tools

Use the Windows operating system tasks to update the CLI tools, on a Windows computer. These tasks apply any new enhancements and fixes that are included in the chosen version to the CLI tools configuration that is already installed. To initiate a task, complete the following steps:

1. Click **Updates > Windows** in the navigation tree.

- 2. Select the Fixlet that is relevant to the version of CLI tools that you want to upgrade to. For example, Updated BigFix Remote Control CLI tools for Windows is now available! (Version 9.1.2).
- 3. In the **Task** window, review the description and follow the instructions in the Actions box to initiate the task.



- 4. In the **Take Action** window on the Target tab, select the relevant option for determining which targets to install the CLI update on.
- 5. Click **OK** and enter your Private Key Password.

The CLI tools on the selected targets are upgraded to the version of the chosen update.

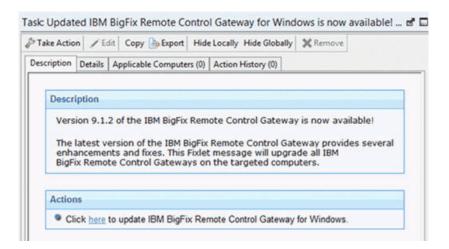
# Updating the Windows gateway support

Use the Windows operating system tasks to update the gateway support files on a Windows computer. These tasks apply any new enhancements and fixes that are included in the chosen version to the gateway configuration that is already installed.

To initiate a task, complete the following steps:

- 1. Click **Updates > Windows** in the navigation tree.
- 2. Select the Fixlet that is relevant to the version of gateway that you want to upgrade to. For example, **Updated BigFix Remote Control Gateway for Windows is now available! (Version 9.1.2)**.

3. In the **Task** window, review the description and follow the instructions in the Actions box to initiate the task.



- 4. In the **Take Action** window on the Target tab, select the relevant option for determining which targets to install the gateway update on.
- 5. Click **OK** and enter your Private Key Password.

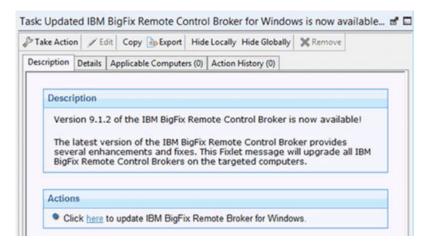
The summary screen shows the progress of the task.

The gateway support on the selected targets is upgraded to the version of the chosen update.

# Updating the Windows broker support

Use the Windows operating system tasks to update the broker software, on a Windows computer. These tasks apply any new enhancements and fixes that are included in the chosen version to the broker that is already installed. To initiate a task, complete the following steps:

- 1. Click **Updates > Windows** in the navigation tree.
- Select the Fixlet that is relevant to the version of broker that you want to upgrade to.
   For example, Updated BigFix Remote Control Broker for Windows is now available! (Version 9.1.2).
- 3. In the **Task** window, review the description and follow the instructions in the Actions box to initiate the task.



- 4. In the **Take Action** window on the Target tab, select the relevant option for determining which targets to install the broker update on.
- 5. Click **OK** and enter your Private Key Password.

The broker software on the selected targets is upgraded to the version of the chosen update.

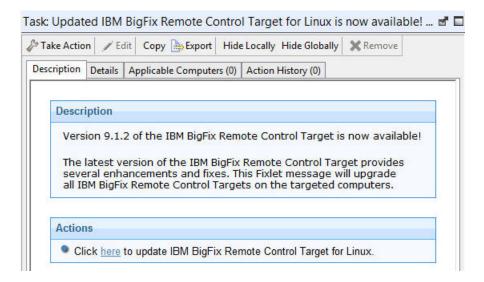
# Update the Linux components

The Linux subnode provides the latest levels of BigFix Remote Control component software for use in a Linux environment. These components contain the latest enhancements and fixes that are applied to BigFix Remote Control.

# Updating the Linux target

Use the Linux tasks to update the target software, on a Linux computer. These tasks apply any new enhancements and fixes that are included in the chosen version to the target configuration that is already installed. To initiate this task, complete the following steps:

- 1. Click **Updates > Linux** in the navigation tree.
- 2. Select the Fixlet that is relevant to the version of target that you want to upgrade to. For example, **Updated BigFix Remote Control Target for Linux is now available! (Version 9.1.2)**.
- 3. In the **Task** window, review the description and follow the instructions in the Actions box to initiate the task.

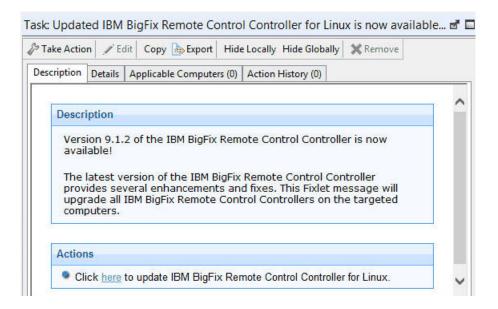


- 4. In the **Take Action** window on the Target tab, select the option for determining which targets to install the target update on.
- 5. Click **OK** and enter your Private Key Password.

# Updating the Linux controller

Use the Linux tasks to update the controller software, on a Linux computer. These tasks apply any new enhancements and fixes that are included in the chosen version to the controller configuration that is already installed. To initiate a task, complete the following steps:

- 1. Click **Updates > Linux** in the navigation tree.
- Select the Fixlet that is relevant to the version of controller that you want to upgrade to.
   For example, Updated BigFix Remote Controller for Linux is now available! (Version 9.1.2).
- 3. In the **Task** window, review the description and follow the instructions in the Actions box to initiate the task.



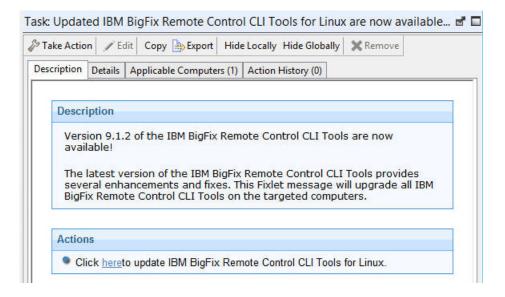
- 4. In the **Take Action** window on the Target tab, select the relevant option for determining which targets to install the controller update on.
- 5. Click **OK** and enter your Private Key Password.

The summary screen shows the progress of the task. The controller software on the selected targets is upgraded to the version of the chosen update.

# Updating the Linux command line tools

Use the Linux tasks to update the CLI tools, on a Linux computer. These tasks apply any new enhancements and fixes that are included in the chosen version to the CLI tools configuration that is already installed. To initiate this task, complete the following steps:

- 1. Click **Updates > Linux** in the navigation tree.
- 2. Select the Fixlet that is relevant to the version of CLI tools that you want to upgrade to. For example, Updated BigFix Remote Control CLI tools for Linux is now available! (Version 9.1.2).
- 3. In the **Task** window, review the description and follow the instructions in the Actions box to initiate the task.



- 4. In the **Take Action** window on the Target tab, select the relevant option for determining which targets to install the CLI update on.
- 5. Click **OK** and enter your Private Key Password.

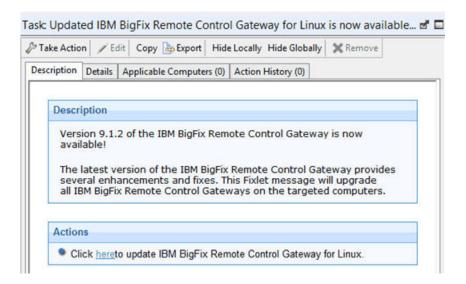
The CLI tools on the selected targets are upgraded to the version of the chosen update.

# Updating the Linux gateway support

Use the Linux tasks to update the gateway support files, on a Linux computer. These tasks apply any new enhancements and fixes that are included in the chosen version to the gateway configuration that is already installed.

To initiate this task, complete the following steps:

- 1. Click **Updates > Linux** in the navigation tree.
- 2. Select the Fixlet that is relevant to the version of gateway that you want to upgrade to. For example, **Updated BigFix Remote Control Gateway for Linux is now available! (Version 9.1.2)**.
- 3. In the **Task** window, review the description and follow the instructions in the Actions box to initiate the task.



- 4. In the **Take Action** window on the Target tab, select the relevant option for determining which targets to install the gateway update on.
- 5. Click **OK** and enter your Private Key Password.

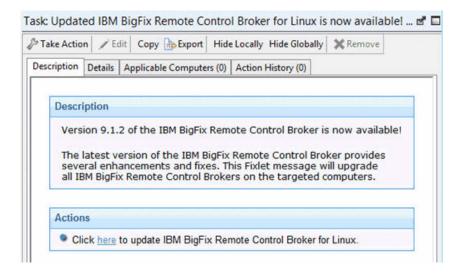
The gateway support on the selected targets is upgraded to the version of the chosen update.

# Updating the Linux broker support

You can use the Linux tasks to update the broker software, on a Linux computer. These tasks apply any new enhancements and fixes that are included in the chosen version to the broker configuration that is already installed. To initiate this task, complete the following steps:

- 1. Click **Updates > Linux** in the navigation tree.
- 2. Select the Fixlet that is relevant to the version of broker that you want to upgrade to.

  For example, **Updated BigFix Remote Control Broker for Linux is now available!** (Version 9.1.2).
- 3. In the **Task** window, review the description and follow the instructions in the Actions box to initiate the task.



- 4. In the **Take Action** window on the Target tab, select the relevant option for determining which targets to install the broker update on.
- 5. Click **OK** and enter your Private Key Password.

The broker software on the selected targets is upgraded to the version of the chosen update.

# Download the BigFix Remote Control server component

You can run a Fixlet to download the BigFix Remote Control server installer file to a specific location on selected computers.

# Downloading the BigFix Remote Control server installer file for Windows

Download the BigFix Remote Control server installer file for Windows by running a Fixlet in the BigFix console.

To download the trc\_server\_setup.exe file, complete the following steps:

- 1. In the navigation tree click **Deployment > Windows**.
- 2. Select the **Download BigFix Remote Control Server for Windows** task.
- 3. Review the information in the **Description** tab.
- 4. Follow the instructions in the **Actions** field to download the installer file.

5. Enter a location to save the installer file to and click **OK**.

The trc\_server\_setup.exe file is downloaded to the selected computers. For more information about installing the server, see the *BigFix Remote Control Installation Guide*.

## Downloading the BigFix Remote Control server installer file for Linux

Download the BigFix Remote Control server installer file for Linux by running a fixlet in the BigFix console.

To download the trc\_server\_setup.bin file, complete the following steps.

- 1. In the navigation tree click **Deployment > Linux**.
- 2. Select the Download BigFix Remote Control Server for Linux task.
- 3. Review the information in the **Description** tab.
- 4. Follow the instructions in the **Actions** field to download the installer file.
- 5. Enter a location to save the installer file to and click **OK**.

The trc\_server\_setup.bin file is downloaded to the selected computers. For more information about installing the server, see the *BigFix Remote Control Installation Guide*.

## Start a remote control session

The BigFix Remote Control controller and target components can be used to establish remote connections between each other to monitor or control the target system.

There are two types of remote control session: a peer-to-peer session that is made directly between the target and controller and a managed session that is initiated from the BigFix Remote Control server. For more information about the types of session, see <u>Definition of terms that are used in BigFix Remote Control (on page 4)</u>.

For more information about how to end a remote control session, see the *BigFix Remote Control Controller User's Guide*.

# Start a peer-to-peer session

There are two ways to start a peer-to-peer remote control session between a controller and a target.

- From the BigFix console
- By using the controller component

## Starting a peer-to-peer session from the BigFix console

Use the BigFix console to start a peer-to-peer session directly from the console. Use the menu option that displays when you right-click the target computer that you want to start a session with.

## Note:

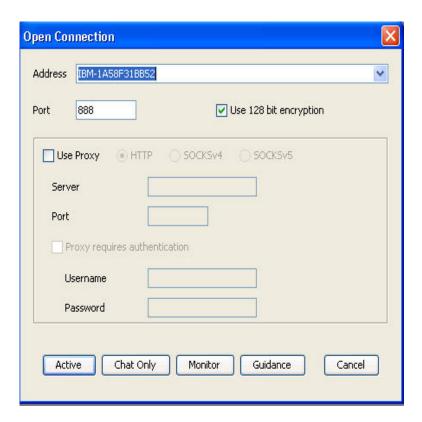
- 1. To start a remote control session from the BigFix console, you must install the controller component on the same computer as the console is installed on. However, when the controller is deployed, only the current user who is logged on to the controlling computer, has the rights to see the menu item to start a session. The menu item is not visible to other users. For more information, see <u>Frequently</u> asked questions (on page 125).
- For the menu item to be enabled, the Remote Control Installation and Security Options Analysis must be active for the selected computer. The Analysis must be reporting that the BigFix Remote Control target is active.

To start a peer-to-peer session, complete the following steps:

- 1. From the list of target computers, right-click the target that you want to start a remote control session with.
- 2. Select BigFix Remote Control.

## Note:

- a. This action can be carried out on any section of the console in which the list of computers is displayed.
- b. If an earlier version of the controller is installed, you might see Endpoint Manager for Remote Control as the menu item instead.
- 3. The Open connection window is displayed with the IP address or URL of the target that you want to connect to.



4. Select **Use proxy** if you are using a proxy. Select the relevant protocol and information.

#### Server

The host name or IP address of the proxy server.

### **Port**

The port that is required for the proxy server.

### **Proxy requires authentication**

Select this option to authenticate with the proxy server. Provide a valid user name and password for authentication.

5. Select the session type.

For more information about the session types that can be established, see the *BigFix Remote Control Controller User's Guide*.

# Note:

- a. If a login window is displayed, enter a valid Windows operating system ID and password to
- b. A user acceptance window might be displayed on the target, depending on the policies set on the target. The target user can accept or reject the session.

When the session is accepted and started, the policies values that are set locally on the target determine what actions can be carried out during the session. For more information about peer-to-peer sessions and the functions available in the controller UI, see the *BigFix Remote Control Controller User's Guide*.

## Starting a peer-to-peer session by using the controller

You can start a peer-to-peer session from any computers that you deploy the controller component on.

To start a peer-to-peer session by using the controller component, complete the following steps:

1. Start the controller

#### Windows systems

- a. Click Start > All Programs
- b. Click BigFix Remote Control > Controller

### **Linux systems**

To start the controller, locate the BigFix Remote Control controller application from the operating system application interface or run the following command:

```
java jar /opt/ibm/trc/controller/TRCConsole.jar
```

 Follow from step 3 (on page 55) in Starting a peer-to-peer session from the BigFix console (on page 54) to start the session.

When the session is accepted and started, the policies values that are set locally on the target determine what actions can be carried out during the session. For more information about peer-to-peer sessions and the functions available in the controller UI, see the *BigFix Remote Control Controller User's Guide*.

## Start a server initiated remote control session

To start a remote control session initiated from the BigFix Remote Control server UI, the server component must be installed and running. For more information about creating and running server installation configurations tasks, see <u>Creating BigFix Remote Control server installation tasks</u> (on page 58).

**Note:** The server can be installed also by using the installation files. For more information, see the *BigFix Remote Control Installation Guide*.

After the server component is installed, use the *BigFix Remote Control Controller User's Guide* for details about how to access and log on to the server UI. Remote control sessions that are initiated from the

BigFix Remote Control server require permissions links to be set up. The links are made between the groups that the controller user and the target are members of. These permissions links determine what policies are effective for the session. For information about creating user and target groups, creating permissions links, and how policies are resolved for a remote control session, see the *BigFix Remote Control Administrator's Guide*.

After you install the server and create the relevant groups and permissions links, you can start a remote control session by using the BigFix Remote Control server UI. For more information, see the *BigFix* Remote Control Controller User's Guide.

# Respond to warnings

During the discovery process, if issues are found that interfere with the normal operation of the BigFix Remote Control components, a **Warnings** node is displayed in the BigFix Remote Control navigation tree.

**Note:** If no issues are found during the discovery process, this node is not displayed in the navigation panel.

This node displays relevant Fixlets that you can use to resolve the issues on any applicable computers. When the BigFix Remote Control target software is installed, a default firewall rule is created to open the inbound BigFix Remote Control port. If the target operating system is blocking this port, use a Fixlet to add a rule to enable inbound TCP connections for BigFix Remote Control.

**Note:** The SUSE firewall Fixlet is not relevant when the firewall is started manually, it is only relevant when the firewall is in automatic mode.

# Manage target and server configurations

BigFix Remote Control provides two wizards that you can use to create tasks to install BigFix Remote Control server or target configurations. These tasks can be run on all, or specific, servers, or targets.

# Creating BigFix Remote Control server installation tasks

With the BigFix Remote Control **Server Installer Wizard**, you can create an installation task to install a remote control server.

Run the task on a Windows® system or Linux (Red Hat and SUSE) systems to install a fully functional, self-contained BigFix Remote Control server with either of the following component setups:

- BigFix Remote Control server with WebSphere Application Server Liberty Profile version 16.0.0.2 and a Derby version database.
- BigFix Remote Control server with WebSphere Application Server Liberty Profile version 16.0.0.2 and one of the following databases:
  - IBM DB2 10.x, 11.x Workgroup(WSE) and Enterprise Edition(ESE).
  - Oracle 11g and 12c.

When you use an Oracle database, if you are using the Oracle 11g drivers, set oracle.increment.keys.off=1 in the trc.properties file. Restart the server service.

Microsoft SQL server 2008, 2012, 2014, and 2016.

You must use a JDBC driver whose version is bigger than 6.3. Older versions do not support TLS1.2 or JRE8.

When you use an MS SQL database, Windows authentication is not supported. You cannot log on with a domain user. You must use mixed mode authentication and create an SQL user to connect to the database.

# Note:

- 1. If you choose the DB2, MS SQL or Oracle database options, you must install the database and create a database instance before you run the server installation task.
- 2. If you are using DB2 9.7 GA version, you must upgrade to DB2 9.7 fix pack 1 due to a DB2 issue where NULL values are returned in generated key values.

To access the BigFix Remote Control Server Installer Wizard, complete the following steps:

1. In the BigFix Remote Control navigation tree, select **Manage Configurations > BigFix Remote Control**Server Installer Wizard.

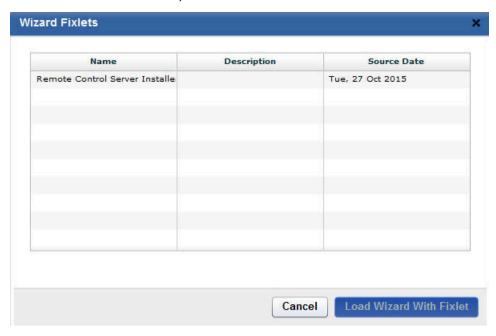


2. Set your configuration values by using one of the following options.

**Load Settings from Existing Task** 

The wizard initially displays server configuration default values that you can change to your own requirements. To load previously saved settings, complete the following steps.

- a. Click Load Settings from Existing Task.
- b. On the Wizard Fixlets screen, select the task.



- c. Click Load Wizard with Fixlet. The configuration values are loaded into the wizard.
- d. Follow the steps in <u>Create a new configuration task (on page 60)</u> to create a new configuration task.

#### Reset to default values

You can use this feature to clear any selections that are made and return the values in the wizard to the default configuration values.

### Create a new configuration task

Follow the steps that are relevant to the database that you are using.

- Derby installation. For more information, see <u>Creating a default server</u> configuration (on page 61)
- DB2. For more information, see <u>Creating a DB2 server configuration (on page 63)</u>
- MSSQL. For more information, see <u>Creating an MS SQL server configuration</u> (on page 67)

- Oracle. For more information, see <u>Creating an Oracle server configuration</u> (on page 70)
- 3. When you set your values, save the installation task by completing step 5 (on page 63).

## Creating a default server configuration

Use a default server configuration to install and use the embedded Derby database that is included as part of the BigFix Remote Control installation. The database is installed locally. To create a default installation task, complete the following steps:

- 1. Select the relevant operating system.
- Enter the installation directory for the BigFix Remote Control server to be installed to or accept the default that is given.
  - Note: WebSphere Application Server cannot be installed in a directory whose name contains non-English-language characters. This installation installs an embedded version of WebSphere Application Server. Therefore, you must choose a destination for the installation files that does not contain any non-English-language characters.
- 3. Select **Derby** and enter the relevant database parameter values.

#### Name of the database to use

Specify the name for the database to be used with BigFix Remote Control server or accept the default that is given.

4. Enter the server installation parameter values.

### HTTPS as Default for Target URL

Select this option for the target to use the HTTPS server URL to communicate with the server. The enforce.secure.endpoint.callhome and enforce.secure.endpoint.upload properties in the trc.properties file are also set to *true*. If not selected, the HTTP URL is used. Regardless of your selection, the enforce.secure.web.access, enforce.secure.weblogon, and enforce.secure.alllogon properties that enable HTTPS logon and access to the web portal, are all set to *True* by default. For more information about these properties, see Set a secure environment the *BigFix Remote Control Administrator's Guide*. The check box is selected by default on a new installation.

Note: For HTTPS, you must use a fully qualified domain name in the Address of the Websphere server field.

### Use secure registration tokens to register targets

Select this option to enable the secure target registration feature. This feature prevents unauthorized targets from registering with the BigFix Remote Control server. Ensure that the **HTTPS** as **Default for Target URL** option is also selected. For more information about secure registration, see <u>Enable secure target registration</u>. *(on page 120)*.

### Address of the WebSphere server

The fully qualified name for the BigFix Remote Control server. For example, trcserver.example.com.

**Note:** Enter the fully qualified name. This name is used to create the URL in the trc.properties file that is passed to the target when it contacts the server for the first time. If the fully qualified name is incorrect, the target might be unable to contact the server successfully when it is next due to contact it.

### Web path of URL

```
Specify the web path for the server URL, http://
trcserver.example.com/webpath. For example, trc. http://
trcserver.example.com/trc
```

#### HTTP port

Specify a port for the server. Default is 80.

## **HTTPS** port

Specify a port if you are using SSL. Default is 443.

#### Administrator email

Specify an administrator email address. For example, admin@company.com

**Note:** To use the email function within the BigFix Remote Control server, a mail server must be installed. For more information about enabling email, see the *BigFix Remote Control Installation Guide*.

#### **Enable FIPS**

Select to enable FIPS compliance on the server. For more information about enabling FIPS compliance, see the *BigFix Remote Control Installation Guide*.

### Enable NIST SP800-131A compliance (Enables FIPS)

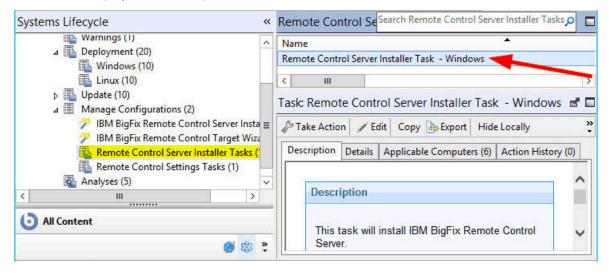
Select this option to enforce NIST SP800-131A compliant algorithms and key strengths for all cryptographic functions. For more information about enabling NIST SP800-131A compliance, see the *BigFix Remote Control Installation Guide*.

### Adjust some advanced web parameters

Select this option to set extra port values.

- 5. Save the configuration by completing the following steps:
  - a. Click Create Server Installation Task
  - b. Complete the relevant information for your task and click **OK**.
  - c. Enter your private key password and click **OK**.

Your task is displayed in the list panel of the Remote Control Server Installer Tasks subnode.



# Creating a DB2 server configuration

You can create a server installation configuration that uses a DB2 database. You must install the database, either locally or remotely, and create a database instance before you install the BigFix Remote Control server.

Ensure that you set up the database before you create the task. For more information about setting up the database, see the *BigFix Remote Control Installation Guide* and the chapter that describes Setting up the database.

To create a DB2 server configuration task, complete the following steps:

- 1. Select the relevant operating system.
- 2. Enter the installation directory for the BigFix Remote Control server to be installed to or accept the default that is given.
- 3. Select the relevant DB2 version and enter the relevant database parameters.

#### **Database server address**

The IP address or host name of your database server.

**Note:** 127.0.0.1 can be used when DB2 is installed locally. If you install DB2 on a remote system, type the IP address of the remote system.

#### Port on which to connect to the database

Port on which DB2 is installed.



- a. On Windows® systems, the default port is 50000. On Linux systems, the default port is 50001.
- b. A remote DB2 installation is limited to type four connections. A local installation can use type two or four. For type two connections, set the port value to 0.

#### Name of the Database to use

Specify the name for the database to be used with the BigFix Remote Control server or accept the default that is given.

### **Database Administrator Userid**

Specify the Administrator user ID that is used for logging on to the database. The user ID must have admin access to the database.

#### **Database Administrator Password**

Specify the Administrator password for connecting to the database.

## Path to the JDBC drivers

Specify the path to the DB2 JAR files, db2jcc.jar, and db2jcc\_license.jar

### Path to db2profile script

Specify the path to the db2profile for the DB2 instance. For example, /home/db2inst1/sqllib/db2profile

**Note:** This field is available only when you install in a Linux operating system and if you select to create the database.

#### Path to the DB2 libraries

Specify the path to the DB2 libraries. For example, /home/db2inst1/sqllib/lib32

**Note:** This field is available only when you install in a Linux operating system and if you select to create the database.

### If Local, create the database

If DB2 is installed locally (127.0.0.1), you can select to create a blank database during the installation. You can also select to drop an existing local database and create a new database.

**Note:** Do not select create database or drop database if you are using a remote database.

### If Local, drop an existing database

If DB2 is installed locally (127.0.0.1), you can select to drop the database and create a new one.

**Note:** Do not drop the database if you are using a remote database.

### New database location (Drive name) / (Path name)

Specify the path where the database can be installed. If the installation is local and you select to create the database, the admin user who is specified must have the appropriate authority. On a Windows system, use the db2admin user, and on a Linux system, the user must be a member of the group db2grp1.



#### Linux systems

Specify a directory that the admin User ID has read and write permissions for.

### Windows systems

Specify a drive letter.

4. Enter the server installation parameter values.

### **HTTPS** as Default for Target URL

Select this option for the target to use the HTTPS server URL to communicate with the server. The **enforce.secure.endpoint.callhome** and **enforce.secure.endpoint.upload** 

properties in the trc.properties file are also set to *true*. If not selected, the HTTP URL is used. Regardless of your selection, the **enforce.secure.web.access**, **enforce.secure.weblogon**, and **enforce.secure.alllogon** properties that enable HTTPS logon and access to the web portal, are all set to *True* by default. For more information about these properties, see Set a secure environment the *BigFix Remote Control Administrator's Guide*. The check box is selected by default on a new installation.

Note: For HTTPS, you must use a fully qualified domain name in the Address of the Websphere server field.

### Use secure registration tokens to register targets

Select this option to enable the secure target registration feature. This feature prevents unauthorized targets from registering with the BigFix Remote Control server. Ensure that the **HTTPS** as **Default for Target URL** option is also selected. For more information about secure registration, see <u>Enable secure target registration</u>. *(on page 120)*.

#### Address of the WebSphere server

The fully qualified name for the BigFix Remote Control server. For example, trcserver.example.com.

Note: Enter the fully qualified name. This name is used to create the URL in the trc.properties file that is passed to the target when it contacts the server for the first time. If the fully qualified name is incorrect, the target might be unable to contact the server successfully when it is next due to contact it.

#### Web path of URL

```
Specify the web path for the server URL, http://
trcserver.example.com/webpath. For example, trc. http://
trcserver.example.com/trc
```

### **HTTP** port

Specify a port for the server. Default is 80.

## **HTTPS** port

Specify a port if you are using SSL. Default is 443.

## Administrator email

Specify an administrator email address. For example, admin@company.com

**Note:** To use the email function within the BigFix Remote Control server, a mail server must be installed. For more information about enabling email, see the *BigFix Remote Control Installation Guide*.

#### **Enable FIPS**

Select to enable FIPS compliance on the server. For more information about enabling FIPS compliance, see the *BigFix Remote Control Installation Guide*.

### Enable NIST SP800-131A compliance (Enables FIPS)

Select this option to enforce NIST SP800-131A compliant algorithms and key strengths for all cryptographic functions. For more information about enabling NIST SP800-131A compliance, see the *BigFix Remote Control Installation Guide*.

### Adjust some advanced web parameters

Select this option to set extra port values.

- 5. Save the configuration by completing the following steps:
  - a. Click Create Server Installation Task
  - b. Complete the relevant information for your task and click **OK**.
  - c. Enter your private key password and click **OK**.
- 6. Enter the server installation parameters as in step 4 (on page 61)
- 7. Save your server installation task by following the steps in step 5 (on page 63)

# Creating an MS SQL server configuration

You can create a server installation configuration to use an MS SQL database. You must install the database, either locally or remotely, and create a database instance before you install the BigFix Remote Control server.

To create an MS SQL server configuration task, complete the following steps:

- 1. Select the relevant operating system.
- Enter the installation directory for the BigFix Remote Control server to be installed to or accept the default that is given.
- 3. Select the relevant MS SQL version and enter the relevant database parameters.

#### **Database server address**

The IP address or host name of your database server.

**Note:** 127.0.0.1 can be used when MS SQL is installed locally on a Windows system only.

#### Port on which to connect to the database

Port on which MS SQL is installed.

#### Name of the Database to use

Specify the name for the database to be used with the BigFix Remote Control server or accept the default that is given.

#### **Database Administrator Userid**

Specify the Administrator user ID used for logging on to the database. The user ID must have admin access to the database.

#### **Database Administrator Password**

Specify the Administrator password for connecting to the database.

#### Path to the JDBC drivers

Specify the path to the MS JDBC Java files. The mssql-jdbc-x.x.x. jre8. jar file must be used depending on the version of MS SQL database that you are using.

## If Local, create the database

If MS SQL is installed locally, you can select to create a blank database during the installation.

### If Local, drop an existing database

If MS SQL is installed locally, you can select to drop the database and create a new one. Do not select drop the database if you are using a remote database.

## New database location (the directory must exist)

Specify the database installation path. If the installation is local and you select to create the database the Admin user must have appropriate authority to do so.

#### Linux systems.

Specify a directory that the admin User ID has read and write permissions for.

## Windows systems.

Specify an existing directory.

4. Enter the server installation parameter values.

## **HTTPS** as Default for Target URL

Select this option for the target to use the HTTPS server URL to communicate with the server. The enforce.secure.endpoint.callhome and enforce.secure.endpoint.upload properties in the trc.properties file are also set to *true*. If not selected, the HTTP URL is used. Regardless of your selection, the enforce.secure.web.access, enforce.secure.weblogon, and enforce.secure.alllogon properties that enable HTTPS logon and access to the web portal, are all set to *True* by default. For more information about these properties, see Set a secure environment the *BigFix Remote Control Administrator's Guide*. The check box is selected by default on a new installation.

Note: For HTTPS, you must use a fully qualified domain name in the Address of the Websphere server field.

## Use secure registration tokens to register targets

Select this option to enable the secure target registration feature. This feature prevents unauthorized targets from registering with the BigFix Remote Control server. Ensure that the **HTTPS** as **Default for Target URL** option is also selected. For more information about secure registration, see <u>Enable secure target registration</u>. *(on page 120)*.

### Address of the WebSphere server

The fully qualified name for the BigFix Remote Control server. For example, trcserver.example.com.

**Note:** Enter the fully qualified name. This name is used to create the URL in the trc.properties file that is passed to the target when it contacts the server for the first time. If the fully qualified name is incorrect, the target might be unable to contact the server successfully when it is next due to contact it.

## Web path of URL

```
Specify the web path for the server URL, http://
trcserver.example.com/webpath. For example, trc. http://
trcserver.example.com/trc
```

## **HTTP** port

Specify a port for the server. Default is 80.

## **HTTPS** port

Specify a port if you are using SSL. Default is 443.

#### Administrator email

Specify an administrator email address. For example, admin@company.com

**Note:** To use the email function within the BigFix Remote Control server, a mail server must be installed. For more information about enabling email, see the *BigFix Remote Control Installation Guide*.

#### **Enable FIPS**

Select to enable FIPS compliance on the server. For more information about enabling FIPS compliance, see the *BigFix Remote Control Installation Guide*.

## Enable NIST SP800-131A compliance (Enables FIPS)

Select this option to enforce NIST SP800-131A compliant algorithms and key strengths for all cryptographic functions. For more information about enabling NIST SP800-131A compliance, see the *BigFix Remote Control Installation Guide*.

## Adjust some advanced web parameters

Select this option to set extra port values.

- 5. Save the configuration by completing the following steps:
  - a. Click Create Server Installation Task
  - b. Complete the relevant information for your task and click **OK**.
  - c. Enter your private key password and click **OK**.
- 6. Enter the relevant server installation parameters as in step 4 (on page 61)
- 7. Save your server installation task by following step 5 (on page 63)

# Creating an Oracle server configuration

You can create a server installation configuration to use an Oracle database. You must install the database, either locally or remotely, and create a database instance before you install the BigFix Remote Control server.

To create an Oracle server configuration task, complete the following steps:

- 1. Select the relevant operating system.
- 2. Enter the installation directory for the BigFix Remote Control server to be installed to or accept the default that is given.

3. Select the relevant Oracle version and enter the relevant database parameters.

#### **Database server address**

The IP address or host name of your database server. 127.0.0.1 can be used when Oracle is installed locally. If you install Oracle on a remote system, type in the IP address of the remote system.

#### Port on which to connect to the database

Port on which Oracle is installed.

#### Name of the Database to use

Specify a name for the database. The name is the SID name on the server, not the one in tnsnames.ora. For example, TRCDB.

## **Database Administrator Userid**

Specify the administrator user ID that is used for logging on to the database. The user ID must have admin access to the database.

**Note:** For an Oracle installation, a user that is called **asset** must exist. This user ID can be used here or use an existing or new user.

#### **Database Administrator Password**

Specify the Administrator password for connecting to the database.

#### Path to the JDBC drivers

Specify the path to the oracle Java JDBC library. The location can be obtained from the Oracle server installation or downloaded from the Oracle website. For example, c:\oracle\orag2\jdbc\lib\ojdbc14.jar

4. Enter the server installation parameter values.

## HTTPS as Default for Target URL

Select this option for the target to use the HTTPS server URL to communicate with the server. The enforce.secure.endpoint.callhome and enforce.secure.endpoint.upload properties in the trc.properties file are also set to true. If not selected, the HTTP URL is used. Regardless of your selection, the enforce.secure.web.access, enforce.secure.weblogon, and enforce.secure.alllogon properties that enable HTTPS logon and access to the web portal, are all set to True by default. For more information about these properties, see Set a secure environment the BigFix Remote Control Administrator's Guide. The check box is selected by default on a new installation.

Note: For HTTPS, you must use a fully qualified domain name in the Address of the Websphere server field.

## Use secure registration tokens to register targets

Select this option to enable the secure target registration feature. This feature prevents unauthorized targets from registering with the BigFix Remote Control server. Ensure that the **HTTPS as Default for Target URL** option is also selected. For more information about secure registration, see <u>Enable secure target registration</u>. *(on page 120)*.

## Address of the WebSphere server

The fully qualified name for the BigFix Remote Control server. For example, trcserver.example.com.

Note: Enter the fully qualified name. This name is used to create the URL in the trc.properties file that is passed to the target when it contacts the server for the first time. If the fully qualified name is incorrect, the target might be unable to contact the server successfully when it is next due to contact it.

## Web path of URL

```
Specify the web path for the server URL, http://
trcserver.example.com/webpath. For example, trc. http://
trcserver.example.com/trc
```

#### HTTP port

Specify a port for the server. Default is 80.

## **HTTPS** port

Specify a port if you are using SSL. Default is 443.

#### Administrator email

Specify an administrator email address. For example, admin@company.com

**Note:** To use the email function within the BigFix Remote Control server, a mail server must be installed. For more information about enabling email, see the *BigFix Remote Control Installation Guide*.

#### **Enable FIPS**

Select to enable FIPS compliance on the server. For more information about enabling FIPS compliance, see the *BigFix Remote Control Installation Guide*.

## Enable NIST SP800-131A compliance (Enables FIPS)

Select this option to enforce NIST SP800-131A compliant algorithms and key strengths for all cryptographic functions. For more information about enabling NIST SP800-131A compliance, see the *BigFix Remote Control Installation Guide*.

## Adjust some advanced web parameters

Select this option to set extra port values.

- 5. Save the configuration by completing the following steps:
  - a. Click Create Server Installation Task
  - b. Complete the relevant information for your task and click **OK**.
  - c. Enter your private key password and click **OK**.
- 6. Enter the server installation parameters as in step 4 (on page 61)
- 7. Save your server installation task by following step 5 (on page 63)

## Creating BigFix Remote Control target configuration tasks

Use the BigFix Remote Control Target wizard to create a set of target configuration parameters.

Run a task to apply the parameters to all targets or selected targets that have the BigFix Remote Control target software already installed. The configurations determine what types of session the targets can take part in and the actions that can be carried out by the controller user during a remote control session. For more information about the options, see the *BigFix Remote Control Installation Guide*.

To create a configuration task, complete the following steps:

**Note:** The configuration values set here are only in effect when a peer-to-peer session is requested with a target. If a remote control session is started from the BigFix Remote Control server, the session policies are passed to the target from the server.

In the BigFix Remote Control navigation tree, select **Manage Configurations > BigFix Remote Control Target Wizard**.

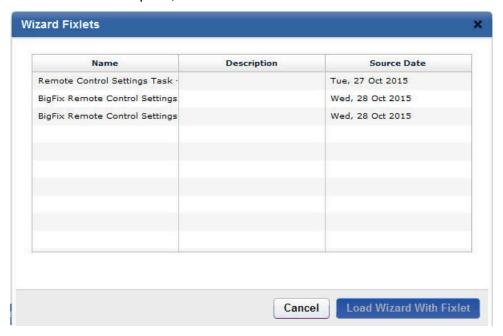


- 1. Select the relevant operating system.
- 2. Set your configuration values.

## Load settings from an existing task

Use this feature to load previously created configuration settings.

- a. Click Load settings from an existing task.
- b. On the Wizard Fixlets panel, select the task.



Click **Load Wizard with Fixlet**. The configuration values are loaded into the wizard.

### Reset to default values

Use this feature to clear any selections that are made and return the values in the wizard to the default configuration values.

## Selecting configuration values

The wizard is loaded with default configuration values that you can change to your own requirements by selecting or clearing the relevant options.

**Note:** Depending on the selected operating system, all or some of the following properties are displayed.

Table 1. Installation option descriptions.

		De-	
Installa-		fault	
tion option	Target property	Value	Description
Server URL	ServerURL	blank	For the target to register with the server and
			take part in remote control sessions that
			are started from the server, provide the Big-
			Fix Remote Control server url in the format:
			http://servername/trc,where server-
			name is the fully qualified name of theBigFix
			Remote Control server.
			For example, http://trcserver.exam-
			ple.com/trc.
			Note: For the targets to take part only
			in remote control sessions that are started
			from the server, if you provide a server url,
			select never for Allow peer-to-peer mode.
Proxy URL	ProxyURL	blank	Host name or IP address for a proxy server,
			if you are using one.
Broker List	BrokerList	blank	The list of host names or IP addresses
			of the brokers and their ports, that you
			want the target to connect to. Enter in the
			following format, hostname1:port,host-
			name2:port,hostname3:port.
Trusted cer-		n/a	Select this option to configure the truststore
tificates for			that is used for verifying broker certificates.
Broker con-			To add a certificate, complete the following
nections			steps.
			a. Open the certificate file in a text editor.
			b. Select the certificate and copy it to the
			clipboard.
			Note: You must select everything
			and include the BEGIN CERTIFICATE
			and END CERTIFICATE lines.

		De-	
Installa-		fault	
tion option	Target property	Value	Description
			c. Click <b>Save</b> .
Register tar-	GroupLabel	blank	Enter a target group name that the target is
get in group			made a member of when the configuration
			is applied. This target group must exist in
			the BigFix Remote Control database.
			Note: The GroupLabel property can
			be used only if the target is not already reg-
			istered with the server. If the target is al-
			ready registered, it is not assigned to the tar-
			get group. The <b>allow.target.group.override</b>
			property in the $\ensuremath{\operatorname{trc.properties}}$ file on the
			server must be set to true for the <b>GroupLa</b> -
			<b>bel</b> property value to be applied.
Remote Con-	PortToListen	888	Specify the TCP port that the target listens
trol port			on.
Allow peer-	AllowP2P	Never	Used to enable peer-to-peer mode.
to-peer mode			Never
			A peer-to-peer session can-
			not be established between a
			controller and this target. If a
			ServerURL is provided, the tar-
			gets can take part only in re-
			mote control sessions that are
			initiated from the server.
			Only if server is unreachable.
			A peer-to-peer session can be
			established between a con-
			troller user and this target only
			when the BigFix Remote Con-
			trol server is down or unreach-
			able.
			Always

		De-	
Installa-		fault	
tion option	Target property	Value	Description
			A peer-to-peer session can be
			established between a con-
			troller user and this target.
			Note: If this option is se-
			lected and a server url is pro-
			vided, the targets can take part
			in both peer-to-peer sessions
			and sessions that are initiated
			from the server.
FIPS compli-	FIPSCompliance	not se-	Select this option to enable the use of a
ance		lected	FIPS-certified cryptographic provider for
			all cryptographic functions. For more infor-
			mation about enabling FIPS compliance,
			see the BigFix Remote Control Installation
			Guide.
			Note: If you enable FIPS compliance
			on the target, also enable FIPS compliance
			on the controller components that are in-
			stalled. Only the IBM® Java Run-time En-
			vironment (JRE) is supported in FIPS-com-
			pliant mode and the JRE is installed when
			you install the controller software. To enable
			FIPS compliance on the controller, complete
			the following steps.
			a. Edit the trc_controller.cfg file
			on the system that the controller is in-
			stalled on.
			Windows systems
			[controller instal-
			lation dir]\trc
			controller.cfg

		De-	
Installa-		fault	
tion option	Target property	Value	Description
			where [controller instal-
			lation dir] is the directo-
			ry that the controller is in-
			stalled in.
			Linux systems
			opt/ibm/trc/con-
			troller/trc_con-
			troller.cfg
			b. Set the <b>fips.compliance</b> property to true
			and save the file.
Enable NIST	SP800131ACompli-	not se-	Select this option to enforce NIST
SP800-131A	ance	lected	SP800-131A-compliant algorithms and key
compliance			strengths for all cryptographic functions.
(Enables			For more information about enabling NIST
FIPS)			SP800-131A compliance, see the BigFix Re-
			mote Control Installation Guide.
			Note: If you enable NIST SP800-131A
			compliance on the target, also enable NIST
			SP800-131A compliance on the controller
			components that are installed. Only the
			IBM Java Run-time Environment (JRE) is
			supported in NIST SP800-131A compliant
			mode and the JRE is installed when you in-
			stall the controller software. To enable NIST
			SP800-131A compliance on the controller,
			complete the following steps.
			a. Edit the trc_controller.cfg file
			on the system that the controller is in-
			stalled on.
			Windows systems

		De-	
Installa-		fault	
tion option	Target property	Value	Description
			[controller instal-
			lation dir]\trc
			controller.cfg
			where [controller instal-
			lation dir] is the directo-
			ry that the controller is in-
			stalled in.
			Linux systems
			opt/ibm/trc/con-
			troller/trc_con-
			troller.cfg
			b. Set the <b>sp800131A.compliance</b> proper-
			ty to true and save the file.
Accessibility	Accessibility	not se-	Select this option to enable the accessibility
		lected	UI. Available when you select <b>Windows</b> as
			the operating system.
Log Level	LogLevel	2	0 - Logging is set to a minimal level.
			1 - Logging is set to <b>ERROR</b> level.
			2 - Logging is set to <b>INFO</b> level.
			4 - Logging is set to <b>DEBUG</b> level.
			Note: Use Log Level = 4 only by re-
			quest from HCL support.
Log Rollover	LogRollover	Daily	Hourly
			Start a new log file on the
			hour. Recommended if the
			log is written to frequently or
			when you use a log level high-
			er than 2.
			Daily
			Start a new log file every day.

		De-	
Installa-		fault	
tion option	Target property	Value	Description
Log Rotation	LogRotation	Week-	Daily
		ly	Overwrite log files after 1 day.
			When LogRollover is set to
			Hourly, the suffix that is added
			to the log file name is 00H to
			23H.
			Weekly
			Weekly
			Overwrite log files after 1
			week. When LogRollover is
			set to Hourly, the suffix that
			is added to the log file name
			specifies the day and hour.
			Value can be Mon-00H to
			Sun-23H. When LogRollover
			is set to Daily, the suffix that
			is added to the log file name
			specifies the day. The value
			can be Mon to Sun.
			Monthly
			Overwrite log files after 1
			month. 01-00H to 31-23H.
			When LogRollover is set to
			Hourly, the suffix that is added
			to the log file name speci-
			fies the numeric day of the
			month and the hour. Value can
			be 01-00H to 31-23H. When
			LogRollover is set to Daily, the
			suffix that is added to the log
			file name specifies the numer-
			ic day of the month. The value
			can be 01 - 31.
I			

		De-	
Installa-		fault	
tion option	Target property	Value	Description
			Disabled
			LogRotation is disabled. When
			LogRollover is set to hourly,
			the suffix that is added to the
			log file name specifies the cur-
			rent date and time. Value can
			be YYYY-MM-DD-hh. When
			LogRollover is set to Daily, the
			suffix that is added to the log
			file name specifies the current
			date. The value can be YYYY-
			MM-DD.

Table 2. Session option descriptions.

		De-	
		fault	
User options	Target property	Value	Description
Allow moni-	AllowMonitor	select-	Determines whether the target can take part
tor mode		ed	in monitor peer-to-peer sessions. For details
			of the different types of remote control ses-
			sion that can be established, see the <i>BigFix</i>
			Remote Control Controller User's Guide.
			selected
			The target can take part in
			monitor peer-to-peer sessions.
			The Monitor option is avail-
			able for selection in the ses-
			sion type list in the controller
			window. The Open connection
			window also lists a Monitor op-
			tion.
			not selected

		De-	
		fault	
User options	Target property	Value	Description
			The target cannot take part in
			monitor peer-to-peer sessions.
			The Monitor option is not avail-
			able in the session type list in
			the controller window.
Allow guid-	AllowGuidance	select-	Determines whether the target can take part
ance mode		ed	in guidance peer-to-peer sessions.
			selected
			The target can take part in
			guidance peer-to-peer ses-
			sions. The Guidance option is
			available in the session type
			list in the controller window.
			The Open connection window
			also lists a Guidance option.
			not selected
			The target cannot take part
			in guidance peer-to-peer ses-
			sions. The Guidance option
			is not available in the session
			type list in the controller win-
			dow.
Allow active	AllowActive	select-	Determines whether the target can take part
mode		ed	in active peer-to-peer sessions.
			selected
			The target can take part in ac-
			tive peer-to-peer sessions. The
			Active option is available in
			the session type list in the con-
			troller window. The Open con-
			nection window also lists an
			Active option.
1			

		De-	
		fault	
User options	Target property	Value	Description
			not selected
			The target cannot take part in
			active peer-to-peer sessions.
			The Active option is not avail-
			able in the session type list in
			the controller window.
Disable chat	DisableChat	not se-	Determines the ability to start a chat ses-
		lected	sion with the target and also chat to the con-
			troller user during a peer-to-peer session.
			selected
			If Chat Only is chosen as the
			connection type on the open
			connection screen, the session
			is refused. During the session,
			the chat icon is not available in
			the controller window.
			not selected
			A Chat Only session can be ini-
			tiated from the open connec-
			tion window. During the ses-
			sion, the chat icon is available
			in the controller window.
Disable file	DisableFilePull	not se-	Determines the ability to transfer files from
transfer to		lected	the target to the controller during the ses-
Controller			sion.
			selected
			Files can be transferred from
			the target to the controller.
			not selected

		De-	
		fault	
User options	Target property	Value	Description
			Files cannot be transferred
			from the target to the con-
			troller.
Disable file	DisableFilePush	not se-	Determines the ability to transfer files from
transfer to		lected	the controller to the target during the ses-
Target			sion.
			selected
			Files can be transferred from
			the controller to the target.
			not selected
			Files cannot be transferred
			from the controller to the tar-
			get.
Disable clip-	DisableClipboard	not se-	Determines the availability of the clipboard
board trans-		lected	transfer menu. Use the menu to transfer the
fer			clipboard content between the controller and
			target during a remote control session.
			selected
			The clipboard transfer menu is
			available during the session to
			transfer the clipboard content
			to and from the target.
			not selected
			The clipboard transfer menu
			is not available during the ses-
			sion.
Allow local	AllowRecording	select-	The controller user can make and save a lo-
recording		ed	cal recording of the session in the control-
			ling system.
			selected
			•

		De-	
		fault	
User options	Target property	Value	Description
			The record option is available
			in the controller window.
			not selected
			The record option is not avail-
			able in the controller window.
Allow collab-	AllowCollaboration	select-	Use this property to allow more than one
oration		ed	controller to join a session. Determines the
			availability of the collaboration icon on the
			controller window.
			selected
			The collaboration icon is avail-
			able in the controller window.
			not selected
			The collaboration icon is not
			available in the controller win-
			dow.
Allow han-	AllowHandover	select-	The master controller, in a collaboration ses-
dover		ed	sion, can hand over control of the session to
			a new controller. Determines the availability
			of the <b>Handover</b> button on the collaboration
			control panel.
			selected
			The <b>Handover</b> button is dis-
			played in the collaboration con-
			trol panel.
			not selected
			The <b>Handover</b> button is not
			displayed in the collaboration
			control panel.
Allows re-	AllowForceDiscon-	not se-	Determines whether a <b>Disconnect session</b>
quests to dis-	nect	lected	button is available in the message window

		De-	-
		fault	
User options	Target property	Value	Description
connect ses-			that is displayed when you attempt to con-
sion			nect to the target. You can use the <b>Discon</b> -
			nect session option to disconnect the cur-
			rent session.
			selected
			The disconnect button is dis-
			played in the message win-
			dow.
			not selected
			The disconnect button is not
			displayed in the message win-
			dow.
Disconnect	ForceDisconnect-	45	Number of seconds you must wait for the
grace time	Timeout		current controller to respond to the prompt
			to disconnect the current session. If they do
			not respond in the time that is given, they are
			automatically disconnected from the ses-
			sion. The timer takes effect only when Al-
			lowForceDisconnect and CheckUserLogin
			are set to Yes. The default value is 45.
Connect at	AutoWinLogon	select-	Determines whether a session can be start-
logon		ed	ed when no users are logged on at the tar-
			get. Determines whether the user accep-
			tance window is displayed on a target where
			the target user is not logged on.
			selected
			Session is started with the tar-
			get.
			The acceptance window is not
			visible on the target and the
			session is established.
			not selected
I			

		De-	
		fault	
User options	Target property	Value	Description
			Session is not started and
			the following message is dis-
			played. Session rejected
			because there is no user
			logged to confirm the ses-
			sionThe session is refused be-
			cause no user is logged on at
			the target to accept the ses-
			sion.
Run pre-ses-	RunPreScript	not se-	Determines whether a user-defined script is
sion script		lected	run before the remote control session starts.
			The script is run just after the session is al-
			lowed but before the controller user has ac-
			cess to the target. The outcome of running
			the script and the continuation of the ses-
			sion is determined by the value that is set for
			Proceed on pre/post-script failure.
			selected
			When a remote control ses-
			sion is requested, the defined
			script is run before the con-
			troller user has access to the
			target.
			not selected
			No script is run before the ses-
			sion.
			For more information about setting up pre
			and post session scripts, see the BigFix Re-
			mote Control Administrator's Guide.
Run post-ses-	RunPostScript	not se-	Determines whether a user-defined script is
sion script		lected	run after the remote control session finish-
			es.

User options	Target property	De- fault Value	Description selected When a remote control session ends, the user-defined script is run.
			not selected  No script is run after the session.  For more information about setting up pre and post session scripts, see the <i>BigFix Re</i> -
Proceed on pre/post- script failure	ProceedOnScriptFail		mote Control Administrator's Guide.  Action to take if the pre-script or post-script execution fails. A positive value or 0 is considered a successful run of the pre-script or post-session script. A negative value, a script that is not found, or not finished running within 3 minutes is considered a failure.
			selected  If the pre-script or post-script run fails, the session continues.  not selected
			If the pre-script or post-script run fails, the session does not continue and ends.
Reset con- sole after RDP console session	Workaround- W2K3RDP	Not select- ed	Automatically reset the console after a Remote Desktop console session. When a Remote Desktop user uses the /admin or /console option to start a Remote Desktop session with a Windows Server 2003 system and a user starts a remote control session with this target before, during or after the Re-

## Default

Value

User options Target property

#### Description

mote Desktop session, remote control is unable to capture the display. The result is that a gray screen is shown in the controller. This issue is a limitation in Windows Server 2003 operating systems. Therefore, this property introduces a workaround that will reset the Windows session either after each Remote Desktop session ends, or before a remote control session starts, depending on the value selected.

0

The workaround is disabled.

This value is the default value.

1

Reset the session automatically when a remote control session is started.

Note: The Windows session takes a couple of minutes to initialize and the controller sees a blank desktop until the initialization is complete. A message informs the controller user that the session is being reset and it might take a few minutes.

2

Reset the session automatically when the Remote Desktop user logs out.

		De-	
	_	fault	
User options	Target property	Value	Description
Follow Active	FollowActiveSession	Not	If selected, the controller connects to the ac-
Session		select-	tive session in the target, even if this session
		ed	is a Remote Desktop session. This feature
			is available in BigFix Remote Control v9.1.2
			IF0002 and later versions and is supported
			on the following Microsoft™ Windows oper-
			ating system versions:
			Microsoft Windows Vista
			Microsoft Windows 7
			Microsoft Windows 8
			Microsoft Windows 8.1
			Microsoft Windows 10
			This feature is not supported on any server
			edition of Microsoft Windows.

Table 3. User acceptance option descriptions

		Default	
User options	Target property	Value	Description
Confirm incom-	ConfirmTakeOver	select-	Determines whether the acceptance window is dis-
ing connections		ed	played on the target, when a remote control session
			is requested.
			selected
			The user acceptance window is dis-
			played and the target user can accept
			or refuse the session.
			not selected
			The user acceptance window is not
			displayed and the session is estab-
			lished.
Confirm mode	ConfirmModeChange	select-	Determines whether the user acceptance window is
changes		ed	displayed when the controller user selects a differ-

		Default	
User options	Target property	Value	Description
			ent session mode from the session mode list on the
			controller window.
			selected
			The user acceptance window is dis-
			played each time a session mode
			change is requested and the target
			user must accept or refuse the re-
			quest.
			not selected
			The user acceptance window is not
			displayed and the session mode is
			changed automatically.
Confirm file	ConfirmFileTransfer	select-	Determines whether the user acceptance window is
transfers		ed	displayed when the controller user selects to trans-
			fer files between the target and the controller.
			selected
			The acceptance window is displayed
			in the following two cases. The tar-
			get user must accept or refuse the file
			transfer.
			The controller user selects <b>pull</b>
			file from the file transfer menu on
			the controller window. The target
			user must select the file that is to
			be transferred after they accept
			the request.
			The controller user selects <b>send</b>
			file to controller from the Actions
			menu in the target window.
			Not selected
			The acceptance window is not dis-
			played and files are transferred auto-

		Default	
User options	Target property	Value	Description
			matically from the target to the con-
			troller system when requested.
Confirm system	ConfirmSysInfo	select-	Determines whether the user acceptance window is
information		ed	displayed when the controller user requests to view
			the target system information.
			selected
			When the controller user clicks Sys-
			tem information in the controller win-
			dow, the user acceptance window is
			displayed. The target user must ac-
			cept or refuse the request. If the tar-
			get user clicks accept, the target sys-
			tem information is displayed in a sep-
			arate window on the controller sys-
			tem. If they click refuse, a message
			is displayed on the controller and the
			system information is not displayed.
			not selected
			The target system information is dis-
			played automatically when the con-
			troller user clicks the system informa-
			tion icon.
Confirm record-	ConfirmRecording	select-	Determines whether the user acceptance window is
ing		ed	displayed when the controller user clicks the record
			icon on the controller window.
			selected
			When the controller user clicks the
			record icon on the controller window,
			a message window is displayed. If
			the target user clicks <b>Accept</b> , the con-
			troller user can select a directory to
			save the recording to. If the target
			user clicks Refuse, a recording re-

		Default	
User options	Target property	Value	Description
			fused message is displayed to the
			controller.
			Note: After the target user ac-
			cepts the request for recording, if the
			controller user stops and restarts lo-
			cal recording, the acceptance window
			is not displayed.
			not selected
			When the controller user clicks the
			record icon on the controller window,
			the message window is not displayed.
			The controller user can select a direc-
			tory to save the recording to.
Confirm collab-	ConfirmCollaboration	select-	Determines whether the user acceptance window is
oration		ed	displayed when another controller user requests to
			join a collaboration session with a target.
			selected
			When the controller user tries to join
			the collaboration session, the user ac-
			ceptance window is displayed. The
			target user must accept or refuse the
			request to allow the additional con-
			troller to join the session. If the target
			user clicks accept, the additional con-
			troller joins the collaboration session.
			If they click refuse, a message is dis-
			played on the controller system and
			the additional controller cannot join
			the collaboration session.
			not selected
			The additional controller automati-
			cally joins the collaboration session

User options  Target property Value  Description  when they try to connect to the master controller of the session.  Acceptance  Acceptance AcceptanceGraceTime 45  Sets the number of seconds to wait for the target user to respond before a session starts or times out, used with Confirm incoming connections.  - Acceptable values 0 - 60. If set to 0, the target user is not asked to respond to the session request.  Note: If Confirm incoming connections is selected, Acceptance grace time must be set to a value > 0 to provide the target user with enough time to respond.  Proceed on acceptanceProceed  Acceptance grace time fout lapses. The target user did not click accept or refuse within the number of seconds defined for Acceptance grace time.  selected  Session is established.  not selected  Session is not established.  Potential windows  Find Hide windows check box is also selected.  selected  The Hide windows check box is displayed on the user acceptance window when Confirm incoming connections is also selected.  selected  The Hide windows check box is displayed on the user acceptance window when Confirm incoming connections is also selected.  The Hide windows check box is displayed on the user acceptance window.  not selected  The Hide windows check box is not visible on the user acceptance window.			Default	
ter controller of the session.  Acceptance AcceptanceGraceTime 45 Sets the number of seconds to wait for the target user to respond before a session starts or times out, used with Confirm incoming connections.  • Acceptable values 0 - 60. If set to 0, the target user is not asked to respond to the session request.    Note: If Confirm incoming connections is selected, Acceptance grace time must be set to a value > 0 to provide the target user with enough time to respond.  Proceed on ac- AcceptanceProceed not seceptance time- lected out lapses. The target user with ont click accept or refuse within the number of seconds defined for Acceptance grace time.    Selected   Session is not established.   Not selected   Session is not established.	User options	Target property	Value	Description
Acceptance grace Time 45 Sets the number of seconds to wait for the target user to respond before a session starts or times out, used with Confirm incoming connections.  - Acceptable values 0 - 60. If set to 0, the target user is not asked to respond to the session request.    Note: If Confirm incoming connections is selected, Acceptance grace time must be set to a value >0 to provide the target user with enough time to respond.  Proceed on acceptanceProceed not selected out lapses. The target user did not click accept or refuse within the number of seconds defined for Acceptance grace time.    Selected   Session is established.				when they try to connect to the mas-
grace time  user to respond before a session starts or times out, used with Confirm incoming connections.  • Acceptable values 0 - 60. If set to 0, the target user is not asked to respond to the session request.  Note: If Confirm incoming connections is selected, Acceptance grace time must be set to a value > 0 to provide the target user with enough time to respond.  Proceed on ac- AcceptanceProceed not selected out lapses. The target user did not click accept or refuse within the number of seconds defined for Acceptance grace time.  selected Session is established.  not selected Session is not established.  Hide windows HideWindows not selected is displayed on the user acceptance window when Confirm incoming connections is also selected.  selected The Hide windows check box is displayed on the user acceptance window.  not selected The Hide windows check box is displayed on the user acceptance window.  not selected The Hide windows check box is displayed on the user acceptance window.  not selected The Hide windows check box is displayed on the user acceptance window.  not selected The Hide windows check box is not visible on the user acceptance window.				ter controller of the session.
out, used with Confirm incoming connections.  Acceptable values 0 - 60. If set to 0, the target user is not asked to respond to the session request.  Note: If Confirm incoming connections is selected, Acceptance grace time must be set to a value > 0 to provide the target user with enough time to respond.  Proceed on ac- AcceptanceProceed not seceptance time-out lapses. The target user did not click accept or refuse within the number of seconds defined for Acceptance grace time.  Selected  Session is established.  not selected  Session is not established.  Hide windows HideWindows  not selected  The Hide windows check box is displayed on the user acceptance window when Confirm incoming connections is also selected.  selected  The Hide windows check box is displayed on the user acceptance window when dow.  not selected  The Hide windows check box is displayed on the user acceptance window.  not selected  The Hide windows check box is displayed on the user acceptance window.  not selected  The Hide windows check box is not visible on the user acceptance win-	Acceptance	AcceptanceGraceTime	45	Sets the number of seconds to wait for the target
Acceptable values 0 - 60. If set to 0, the target user is not asked to respond to the session request.  Note: If Confirm incoming connections is selected, Acceptance grace time must be set to a value >0 to provide the target user with enough time to respond.  Proceed on ac- AcceptanceProceed not seceptance time— lected out lapses. The target user did not click accept or refuse within the number of seconds defined for Acceptance grace time.  Selected  Session is established.  not selected  Session is not established.  not selected  Session is not established.  Determines whether the Hide windows check box is displayed on the user acceptance window when Confirm incoming connections is also selected.  selected  The Hide windows check box is displayed on the user acceptance window when dow.  not selected  The Hide windows check box is displayed on the user acceptance window when dow.  not selected  The Hide windows check box is displayed on the user acceptance window when dow.  not selected	grace time			user to respond before a session starts or times
user is not asked to respond to the session request.    Note: If Confirm incoming connections is selected, Acceptance grace time must be set to a value > 0 to provide the target user with enough time to respond.    Proceed on ac-				out, used with <b>Confirm incoming connections</b> .
Receptance on acceptance Proceed on acceptance time- out acceptance time- selected Session is established.  not selected Session is not established.  not selected Session is not established.  not selected  The Hide windows check box is displayed on the user acceptance window when confirm incoming connections is also selected.  selected  The Hide windows check box is displayed on the user acceptance window.  not selected  The Hide windows check box is not visible on the user acceptance win- ow.  The Hide windows check box is not visible on the user acceptance win-				• Acceptable values 0 - 60. If set to 0, the target
Note: If Confirm incoming connections is selected, Acceptance grace time must be set to a value >0 to provide the target user with enough time to respond.  Proceed on ac-ceptanceProceed not selected out lapses. The target user did not click accept or refuse within the number of seconds defined for Acceptance grace time.  selected Session is established.  not selected Session is not established.  not selected Session is not established.  Determines whether the Hide windows check box is displayed on the user acceptance window when Confirm incoming connections is also selected.  selected The Hide windows check box is displayed on the user acceptance window.  not selected The Hide windows check box is not visible on the user acceptance win-				user is not asked to respond to the session re-
lected, Acceptance grace time must be set to a value >0 to provide the target user with enough time to respond.  Proceed on ac- AcceptanceProceed not seceptance time- lected out lapses. The target user did not click accept or refuse within the number of seconds defined for Acceptance grace time.  selected  Session is established.  not selected  Session is not established.  Hide windows HideWindows not selected  Determines whether the Hide windows check box is displayed on the user acceptance window when Confirm incoming connections is also selected.  selected  The Hide windows check box is displayed on the user acceptance window when dow.  not selected  The Hide windows check box is not visible on the user acceptance win-				quest.
ue >0 to provide the target user with enough time to respond.  Proceed on ac- AcceptanceProceed not seceptance time-out lapses. The target user did not click accept or refuse within the number of seconds defined for Acceptance grace time.  selected  Session is established.  not selected  Session is not established.  hide windows HideWindows not selected  Determines whether the Hide windows check box is displayed on the user acceptance window when Confirm incoming connections is also selected.  selected  The Hide windows check box is displayed on the user acceptance window when dow.  not selected  The Hide windows check box is displayed on the user acceptance window when dow.  not selected  The Hide windows check box is not visible on the user acceptance win-				Note: If Confirm incoming connections is se-
respond.  Proceed on ac- AcceptanceProceed not se- ceptance time- out lapses. The target user did not click accept or refuse within the number of seconds defined for Acceptance grace time.  selected Session is established.  not selected Session is not established.  Hide windows HideWindows not se- lected is displayed on the user acceptance window when Confirm incoming connections is also selected.  selected The Hide windows check box is displayed on the user acceptance window.  not selected The Hide windows check box is displayed on the user acceptance window.  not selected The Hide windows check box is not visible on the user acceptance win-				lected, Acceptance grace time must be set to a val-
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ceptance time- out  refuse within the number of seconds defined for  Acceptance grace time.  selected  Session is established.  not selected  Session is not established.  Hide windows  HideWindows  not se- lected  Determines whether the Hide windows check box is displayed on the user acceptance window when  Confirm incoming connections is also selected.  selected  The Hide windows check box is displayed on the user acceptance window.  not selected  The Hide windows check box is displayed on the user acceptance window.  not selected  The Hide windows check box is not visible on the user acceptance win-				respond.
out  refuse within the number of seconds defined for  Acceptance grace time.  selected  Session is established.  not selected  Session is not established.  Hide windows  HideWindows  not se- lected  Determines whether the Hide windows check box is displayed on the user acceptance window when  Confirm incoming connections is also selected.  selected  The Hide windows check box is displayed on the user acceptance window.  not selected  The Hide windows check box is not visible on the user acceptance win-	Proceed on ac-	AcceptanceProceed	not se-	Action to take if the user acceptance window time-
Acceptance grace time.  selected  Session is established.  not selected  Session is not established.  Hide windows HideWindows not selected is displayed on the user acceptance window when Confirm incoming connections is also selected.  selected  The Hide windows check box is displayed on the user acceptance window.  not selected  The Hide windows check box is not visible on the user acceptance window.	ceptance time-		lected	out lapses. The target user did not click accept or
selected  Session is established.  not selected  Session is not established.  Hide windows HideWindows not se- lected is displayed on the user acceptance window when  Confirm incoming connections is also selected.  selected  The Hide windows check box is displayed on the user acceptance window.  not selected  The Hide windows check box is displayed on the user acceptance window.  not selected  The Hide windows check box is not visible on the user acceptance win-	out			refuse within the number of seconds defined for
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Confirm incoming connections is also selected.  selected  The Hide windows check box is displayed on the user acceptance window.  not selected  The Hide windows check box is not visible on the user acceptance windows.	Hide windows	HideWindows	not se-	Determines whether the <b>Hide windows</b> check box
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visible on the user acceptance win-				not selected
· ·				The <b>Hide windows</b> check box is not
dow.				visible on the user acceptance win-
l				dow.

Table 4. security option descriptions

		De-	
Security		fault	
options	Target property	Value	Description
Authenticate	CheckUserLogin	select-	Determines whether the login window is dis-
using system		ed	played when a session type is selected on
logon			the <b>Open Connection</b> window.
			Yes
			The logon window is displayed
			and the controller user must
			log on with a valid Windows
			operating system ID and pass-
			word. If the logon credentials
			are invalid, the target refuses
			the session.
			No
			The logon window is not dis-
			played and the peer-to-peer
			session is established.
Authorized	CheckUserGroup	see	Default value is:
user group		de-	Windows systems
		scrip- tion	BUILTIN\Administrators
			Linux systems
			wheel
			When Authorized user group has a value set,
			the user name that is used for authentica-
			tion must be a member of one of the groups
			that are listed. If the user is not a member,
			the session is refused. Multiple groups must
			be separated with a semicolon. For example,
			wheel;trcusers
			Note: By default, on Windows systems,
			only the Administrator user is granted ac-

		De-	
Security		fault	
options	Target property	Value	Description
			cess. On Linux systems, by default no users
			are granted access. To resolve this issue,
			complete one of the following steps.
			a. To also grant administrator rights to the
			users, add them as members to the Ad-
			ministrators group on Windows systems
			or the wheel group on Linux systems.
			b. For users with no administrator rights,
			complete the following steps
			i. Create a group or use an existing
			group. For example, the following
			command can be run as root:
			groupadd trcusers
			ii. Add the users to this group. For ex-
			ample, the following command can
			be run as root to add <b>bsmith</b> to <b>tr-</b>
			cusers:
			usermod -a -G trcusers <bsmith></bsmith>
			iii. Add the group to the list in the Au-
			thorized user group field.
Audit to sys-	AuditToSystem	select-	Determines whether the actions that are car-
tem log		ed	ried out during remote control sessions are
			logged to the application event log on the tar
			get. This file can be used for audit purposes.
			selected
			Entries are logged in the appli-
			cation event log of the target
			corresponding to each action
			that is carried out during the
			session.
			not selected

		De-	
Security		fault	
options	Target property	Value	Description
			No entries are logged to the ap-
			plication event log.
Save chat	AutoSaveChat	not se-	Determines whether the chat text, entered
messages		lected	during a chat session, can be saved.
			selected
			The chat text is saved as
			an html file. The file is
			chat-username-date.html,
			where <i>username</i> is the display
			name of the logged on user
			on the controller machine in a
			peer-to-peer session. In man-
			aged mode username is the
			display name for the controller
			user that is on the server. The
			date is in the format YYYYM-
			MDD. The file is saved in the
			working directory of the target.
			The location of the working di-
			rectory is defined by the target
			property WorkingDir. For exam-
			ple, on Windows systems, the
			file is saved to
			c:\ProgramData\IBM
			\Tivoli\Remote Control.
			On Linux systems the file is
			<pre>saved to /var/opt/ibm/</pre>
			trc/target/.
			c:\Documents and Set-
			tings\All Users\Appli-
			cation Data\IBM\Tivoli
			\Remote Control

		De-	
Security		fault	
options	Target property	Value	Description
			The chat text is saved as an
			html file. The file name starts
			with chat. The file is saved in
			the working directory of the tar-
			get. The location of the work-
			ing directory is defined by the
			target property <b>WorkingDir</b> .
			For example, on Windows sys-
			tems, a file that is named chat-
			m15.html is saved to the follow-
			ing location:
			c:\Documents and Set-
			tings\All Users\Appli-
			cation Data\IBM\Tivoli
			\Remote Control
			not selected
			The chat text is not saved to a
			file.
Enable sys-	EnableFileTransfer-	not se-	Determines whether the file transfer session
tem access	SystemAccess	lected	allows for target file system access using
for file trans-			System privileges (Windows) or root privi-
fer			leges (Linux). This option is valid for peer to
			peer sessions only.
			selected
			The file transfer session uses
			System privileges (Windows)
			or root privileges (Linux) on the
			target file system.
			not selected

		De-	
Security		fault	
options	Target property	Value	Description
			The file transfer session uses
			the privileges of the logged on
			user on the target file system.
Lock target	SessionDisconnect	not se-	Determines whether the target computer is
on discon-		lected	automatically locked when the remote con-
nect			trol session ends. Allowed value: lock.
			When you set the value to lock, the target
			computer is automatically locked at the end
			of the session. If the property is blank or set
			to another value, the target computer is not
			automatically locked at the end of the ses-
			sion.
			selected
			The target computer is auto-
			matically locked at the end of
			the session.
			not selected
			The target computer is not au-
			tomatically locked at the end of
			the session.
Allow privacy	AllowPrivacy	select-	Determines whether a controller user can
		ed	lock the local input and screen of the tar-
			get when in a remote control session. Deter-
			mines the visibility of the <b>Enable Privacy</b> op-
			tion on the controller window.
			selected
			The <b>Enable Privacy</b> option is
			available in the Perform Action
			in target menu in the controller
			window.
			not selected

		De-	
Security		fault	
options	Target property	Value	Description
			The <b>Enable Privacy</b> option is
			not available in the <b>Perform</b>
			Action in target menu in the
			controller window.
Allow input	AllowInputLock	select-	This property works with <b>Allow privacy</b> and
lock		ed	on its own. You can use <b>Allow input lock</b> to
			lock the target users mouse and keyboard
			during a remote control session.
			selected
			The <b>lock target input</b> menu
			item is enabled, in the <b>Perform</b>
			action in target menu in the
			controller window. Select lock
			target input to lock the target
			users mouse and keyboard dur-
			ing a remote control session.
			The target screen is still visible
			to the target user.
			not selected
			The lock target input menu
			item is not enabled in the <b>Per-</b>
			form action in target menu in
			the controller window.
			Note: If the option to Enable Privacy is
			selected during a session, the remote user in-
			put is automatically locked. It is not possible
			to enable privacy without also locking the in-
			put.
Enable priva-	EnablePrivacy	not se-	Determines whether the local input and
су		lected	screen are locked for all sessions. Therefore,
			the target user cannot input or do anything

Security options Target property Value Description  on the target while in a remote control session.  selected  The target screen is blanked out by the privacy bitmap when the session starts, preventing the target user from interacting with the screen while in the session. The target desktop is still visible to the controller user in the controller window.  not selected  The target screen is not blanked out when the session is started and the target user can interact with the screen.  Enable input EnableInputLock lock  Enable input EnableInputLock lock  Inot ser When privacy mode is enabled, use Enable input lock to determine whether the target user can view their screen or not, during a re- mote control session.  selected  The target screen is visible to the target user during the ses- sion, while in privacy mode but their mouse and keyboard con- trol is locked.  not selected  The target screen is not visible to the target user. The privacy bitmap is displayed on the tar- get during the session. The tar-			De-	
on the target while in a remote control session.  selected  The target screen is blanked out by the privacy bitmap when the session starts, preventing the target user from interacting with the screen while in the session. The target desktop is still visible to the controller user in the controller window.  not selected  The target screen is not blanked out when the session is started and the target user can interact with the screen.  Enable input EnableInputLock not selected  When privacy mode is enabled, use Enable input lock to determine whether the target user can view their screen or not, during a remote control session.  selected  The target screen is visible to the target user during the session, while in privacy mode but their mouse and keyboard control is locked.  not selected  The target screen is not visible to the target user. The privacy bitmap is displayed on the tar-	Security		fault	
sion.  selected  The target screen is blanked out by the privacy bitmap when the session starts, preventing the target user from interacting with the screen while in the session. The target desktop is still visible to the controller user in the controller window.  not selected  The target screen is not blanked out when the session is started and the target user can interact with the screen.  Enable input EnableInputLock not selected  This property works with Enable privacy. lected when privacy mode is enabled, use Enable input lock to determine whether the target user can view their screen or not, during a remote control session.  selected  The target screen is visible to the target user during the session, while in privacy mode but their mouse and keyboard control is locked.  not selected  The target screen is not visible to the target user. The privacy bitmap is displayed on the target user. The privacy bitmap is displayed on the target.	options	Target property	Value	Description
The target screen is blanked out by the privacy bitmap when the session starts, preventing the target user from interacting with the screen while in the session. The target desktop is still visible to the controller user in the controller window.  **not selected**  The target screen is not blanked out when the session is started and the target user can interact with the screen.  Enable input EnableInputLock not set this property works with Enable privacy. lected When privacy mode is enabled, use Enable input lock to determine whether the target user can view their screen or not, during a remote control session.  **selected**  The target screen is visible to the target user during the session, while in privacy mode but their mouse and keyboard control is locked.  **not selected**  The target screen is not visible to the target user. The privacy bitmap is displayed on the tar-				on the target while in a remote control ses-
The target screen is blanked out by the privacy bitmap when the session starts, preventing the target user from interacting with the screen while in the session. The target desktop is still visible to the controller user in the controller window.  **not selected**  The target screen is not blanked out when the session is started and the target user can interact with the screen.  Enable input EnableInputLock not se- This property works with Enable privacy. lock lected When privacy mode is enabled, use Enable input lock to determine whether the target user can view their screen or not, during a remote control session.  **selected**  The target screen is visible to the target user during the session, while in privacy mode but their mouse and keyboard control is locked.  **not selected**  The target screen is not visible to the target user. The privacy bitmap is displayed on the tar-				sion.
out by the privacy bitmap when the session starts, preventing the target user from interacting with the screen while in the session. The target desktop is still visible to the controller user in the controller window.  **not selected**  The target screen is not blanked out when the session is started and the target user can interact with the screen.  Enable input EnableInputLock not se- This property works with Enable privacy.  lock lected When privacy mode is enabled, use Enable input lock to determine whether the target user can view their screen or not, during a remote control session.  **selected**  The target screen is visible to the target user during the session, while in privacy mode but their mouse and keyboard control is locked.  **not selected**  The target screen is not visible to the target user. The privacy bitmap is displayed on the tar-				selected
the session starts, preventing the target user from interacting with the screen while in the session. The target desktop is still visible to the controller user in the controller window.  not selected  The target screen is not blanked out when the session is started and the target user can interact with the screen.  Enable input EnableInputLock not se- Initial privacy mode is enabled, use Enable input lock to determine whether the target user can view their screen or not, during a re- mote control session.  selected  The target screen is visible to the target user during the ses- sion, while in privacy mode but their mouse and keyboard con- trol is locked.  not selected  The target screen is not visible to the target user. The privacy bitmap is displayed on the tar-				The target screen is blanked
the target user from interacting with the screen while in the session. The target desktop is still visible to the controller user in the controller window.  not selected  The target screen is not blanked out when the session is started and the target user can interact with the screen.  Enable input EnableInputLock not se- lected When privacy mode is enabled, use Enable input lock to determine whether the target user can view their screen or not, during a re- mote control session.  selected  The target screen is visible to the target user during the ses- sion, while in privacy mode but their mouse and keyboard con- trol is locked.  not selected  The target screen is not visible to the target user. The privacy bitmap is displayed on the tar-				out by the privacy bitmap when
with the screen while in the session. The target desktop is still visible to the controller user in the controller window.  **not selected**  The target screen is not blanked out when the session is started and the target user can interact with the screen.  Enable input EnableInputLock not se- This property works with Enable privacy. lected When privacy mode is enabled, use Enable input lock to determine whether the target user can view their screen or not, during a remote control session.  **selected**  The target screen is visible to the target user during the session, while in privacy mode but their mouse and keyboard control is locked.  **not selected**  The target screen is not visible to the target user. The privacy bitmap is displayed on the tar-				the session starts, preventing
sion. The target desktop is still visible to the controller user in the controller window.  not selected  The target screen is not blanked out when the session is started and the target user can interact with the screen.  Enable input EnableInputLock not se- This property works with Enable privacy. lock lected When privacy mode is enabled, use Enable input lock to determine whether the target user can view their screen or not, during a re- mote control session.  selected  The target screen is visible to the target user during the ses- sion, while in privacy mode but their mouse and keyboard con- trol is locked.  not selected  The target screen is not visible to the target user. The privacy bitmap is displayed on the tar-				the target user from interacting
visible to the controller user in the controller user in the controller window.  not selected  The target screen is not blanked out when the session is started and the target user can interact with the screen.  Enable input EnableInputLock not se- This property works with Enable privacy.  lock lected When privacy mode is enabled, use Enable input lock to determine whether the target user can view their screen or not, during a remote control session.  selected  The target screen is visible to the target user during the session, while in privacy mode but their mouse and keyboard control is locked.  not selected  The target screen is not visible to the target user. The privacy bitmap is displayed on the tar-				with the screen while in the ses-
the controller window.  not selected  The target screen is not blanked out when the session is started and the target user can interact with the screen.  Enable input EnableInputLock not se- This property works with Enable privacy. lock lected When privacy mode is enabled, use Enable input lock to determine whether the target user can view their screen or not, during a remote control session.  selected  The target screen is visible to the target user during the session, while in privacy mode but their mouse and keyboard control is locked.  not selected  The target screen is not visible to the target user. The privacy bitmap is displayed on the tar-				sion. The target desktop is still
not selected  The target screen is not blanked out when the session is started and the target user can interact with the screen.  Enable input EnableInputLock not se- lected When privacy mode is enabled, use Enable input lock to determine whether the target user can view their screen or not, during a re- mote control session.  selected  The target screen is visible to the target user during the ses- sion, while in privacy mode but their mouse and keyboard con- trol is locked.  not selected  The target screen is not visible to the target user. The privacy bitmap is displayed on the tar-				visible to the controller user in
The target screen is not blanked out when the session is started and the target user can interact with the screen.  Enable input EnableInputLock not se- This property works with Enable privacy. lock lected When privacy mode is enabled, use Enable input lock to determine whether the target user can view their screen or not, during a remote control session.  selected  The target screen is visible to the target user during the session, while in privacy mode but their mouse and keyboard control is locked.  not selected  The target screen is not visible to the target user. The privacy bitmap is displayed on the tar-				the controller window.
blanked out when the session is started and the target user can interact with the screen.  Enable input EnableInputLock not se- lected When privacy mode is enabled, use Enable input lock to determine whether the target user can view their screen or not, during a remote control session.  selected  The target screen is visible to the target user during the session, while in privacy mode but their mouse and keyboard control is locked.  not selected  The target screen is not visible to the target user. The privacy bitmap is displayed on the tar-				not selected
is started and the target user can interact with the screen.  Enable input EnableInputLock not selected When privacy mode is enabled, use Enable input lock to determine whether the target user can view their screen or not, during a remote control session.  selected  The target screen is visible to the target user during the session, while in privacy mode but their mouse and keyboard control is locked.  not selected  The target screen is not visible to the target user. The privacy bitmap is displayed on the tar-				The target screen is not
can interact with the screen.  Enable input EnableInputLock not selected When privacy mode is enabled, use Enable input lock to determine whether the target user can view their screen or not, during a remote control session.  selected  The target screen is visible to the target user during the session, while in privacy mode but their mouse and keyboard control is locked.  not selected  The target screen is not visible to the target user. The privacy bitmap is displayed on the tar-				blanked out when the session
Enable input EnableInputLock not selected When privacy mode is enabled, use Enable input lock to determine whether the target user can view their screen or not, during a remote control session.  selected  The target user during the session, while in privacy mode but their mouse and keyboard control is locked.  not selected  The target screen is not visible to the target user. The privacy bitmap is displayed on the tar-				is started and the target user
lected When privacy mode is enabled, use Enable input lock to determine whether the target user can view their screen or not, during a remote control session.  selected  The target screen is visible to the target user during the session, while in privacy mode but their mouse and keyboard control is locked.  not selected  The target screen is not visible to the target user. The privacy bitmap is displayed on the tar-				can interact with the screen.
input lock to determine whether the target user can view their screen or not, during a remote control session.  selected  The target screen is visible to the target user during the session, while in privacy mode but their mouse and keyboard control is locked.  not selected  The target screen is not visible to the target user. The privacy bitmap is displayed on the tar-	Enable input	EnableInputLock	not se-	This property works with <b>Enable privacy</b> .
user can view their screen or not, during a remote control session.  selected  The target screen is visible to the target user during the session, while in privacy mode but their mouse and keyboard control is locked.  not selected  The target screen is not visible to the target user. The privacy bitmap is displayed on the tar-	lock		lected	When privacy mode is enabled, use <b>Enable</b>
mote control session.  selected  The target screen is visible to the target user during the session, while in privacy mode but their mouse and keyboard control is locked.  not selected  The target screen is not visible to the target user. The privacy bitmap is displayed on the tar-				input lock to determine whether the target
selected  The target screen is visible to the target user during the session, while in privacy mode but their mouse and keyboard control is locked.  not selected  The target screen is not visible to the target user. The privacy bitmap is displayed on the tar-				user can view their screen or not, during a re-
The target screen is visible to the target user during the session, while in privacy mode but their mouse and keyboard control is locked.  not selected  The target screen is not visible to the target user. The privacy bitmap is displayed on the tar-				mote control session.
the target user during the session, while in privacy mode but their mouse and keyboard control is locked.  not selected  The target screen is not visible to the target user. The privacy bitmap is displayed on the tar-				selected
sion, while in privacy mode but their mouse and keyboard con- trol is locked.  not selected  The target screen is not visible to the target user. The privacy bitmap is displayed on the tar-				The target screen is visible to
their mouse and keyboard control is locked.  not selected  The target screen is not visible to the target user. The privacy bitmap is displayed on the tar-				the target user during the ses-
trol is locked.  not selected  The target screen is not visible to the target user. The privacy bitmap is displayed on the tar-				sion, while in privacy mode but
not selected  The target screen is not visible to the target user. The privacy bitmap is displayed on the tar-				their mouse and keyboard con-
The target screen is not visible to the target user. The privacy bitmap is displayed on the tar-				trol is locked.
to the target user. The privacy bitmap is displayed on the tar-				not selected
bitmap is displayed on the tar-				The target screen is not visible
				to the target user. The privacy
get during the session. The tar-				bitmap is displayed on the tar-
				get during the session. The tar-

		De-	
Security		fault	
options	Target property	Value	Description
			get users mouse and keyboard
			input is also disabled.
			Note: Enable privacy must be selected
			for <b>Enable input lock</b> to take effect.
DisablePanic-	DisablePanicKey	not se-	Determines whether the Pause Break key can
Key		lected	be used by the target user to automatically
			end the remote control session.
			selected
			The target user cannot use the
			Pause Break key to automat-
			ically end the remote control
			session.
			not selected
			The target user can use the
			Pause Break key to automat-
			ically end the remote control
			session.
Enable on-	EnableOSSN	not se-	Determines whether a semi-transparent over-
screen ses-		lected	lay is displayed on the target computer to
sion notifica-			indicate that a remote control session is in
tion			progress. Use this property when privacy is
			a concern so that the user is clearly notified
			when somebody can remotely view or control
			their computer.
			selected
			The semi-transparent over-
			lay is displayed on the target
			screen with the text <b>BigFix Re</b> -
			mote Control and what type
			of remote control session is in
			progress. For example, BigFix
			Remote Control - Active Mode.

		De-	
Security		fault	
options	Target property	Value	Description
			The overlay does not intercept
			keyboard or mouse actions,
			therefore the user is still able to
			interact with their screen.
			not selected
			No overlay is displayed on the
			target computer.
			Note: This policy is only supported on
			targets that have a Windows operating sys-
			tem installed.
Disable GUI	DisableGUI	not se-	Determines the appearance of the target GUI
		lected	when the remote control session is starting
			and also during the session.
			Note: This option works only when the
			target is installed in peer-to-peer mode and
			the <b>Managed</b> target property is set to No.
			This option is ignored when applied to any
			targets that were installed by using the BigFix
			Remote Control server mode when a server
			URL was supplied.
			selected
			The target GUI is not visible on
			the target and the target user
			is not aware that the session
			is started. The BigFix Remote
			Control target icon is not visible
			in the Windows system tray.
			not selected
			The target GUI is displayed on
			the target as the session is
			starting and is available to the

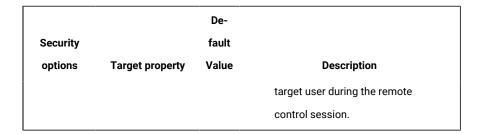


Table 5. performance option descriptions

Security		Default	
options	Target property	Value	Description
Inactivity	IdleTimeout	360	Number of seconds to wait until the con-
timeout			nection ends if there is no session activi-
			ty. Set this value to 0 to disable the timer
			so that the session does not end automat-
			ically. The minimum timeout value is 60
			seconds. For values 1 - 59, the session
			times out after 60 seconds of inactivity.
			Note: The inactivity timeout value
			applies to Active session mode only. The
			session does not end automatically when
			other session modes are used.
			The default value is 360.
Enable true	EnableTrueColor	Not select-	Determines whether true color is used as
color		ed.	the initial color depth to display the tar-
			get desktop, in the controller window at
			the start of a session. Used together with
			Lock color depth.
			Selected.
			The target desktop is dis-
			played in true color 24-bit
			mode at the start of the ses-
			sion.
			Not selected.
			The target desktop is dis-
			played in 8-bit color mode at

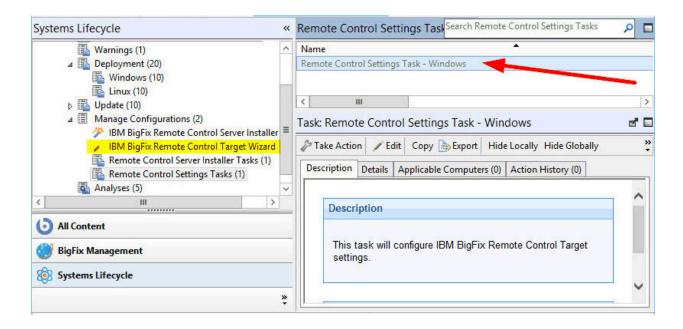
Security		Default	-
options	Target property	Value	Description
			the start of the session. This
			value is the default value.
Enable high	EnableTrueColor	not selected	Determines whether the target desktop is
quality col-			displayed in high-quality colors in the con-
ors			troller window at the start of a session.
			Used together with <b>Lock color quality</b> .
			selected
			The target desktop is dis-
			played in true color 24-bit
			mode at the start of the ses-
			sion. Partial screen updates
			are also enabled.
			not selected
			The target desktop is dis-
			played in 8-bit color mode at
			the start of the session. Par-
			tial screen updates are also
			enabled. This value is the de-
			fault value.
Lock color	LockColorDepth	not selected	Determines whether the color quality that
quality			a remote control session is started with
			can be changed during the session. Used
			together with <b>Enable high quality colors</b> .
			selected
			The initial color quality, for
			the remote control session,
			is locked and cannot be
			changed during the ses-
			sion. The <b>Performance set-</b>
			tings icon is disabled in the
			controller window. The con-
			troller user cannot change
			settings to improve the ses-

Security		Default	
options	Target property	Value	Description
			sion performance if their net-
			work is slow.
			not selected
			The color quality can be
			changed during the session.
			The <b>Performance settings</b>
			icon is enabled in the con-
			troller window.
Lock color	LockColorDepth	Not select-	Determines whether the color depth that
depth		ed.	a remote control session is started with
			can be changed during the session. Used
			along with <b>Enable true color</b> .
			Selected.
			The initial color depth, for
			the remote control session,
			is locked and cannot be
			changed during the session.
			The <b>Enable true color</b> icon
			is disabled in the controller
			window.
			Not selected.
			The initial color depth can be
			changed during the session.
Remove	RemoveBack-	not selected	Determines whether a desktop back-
desktop	ground		ground image can be removed from view
			during a remote control session.
			selected
			The desktop background im-
			age, on the target, is not vis-
			ible during a remote control
			session.
			not selected
I			

Security		Default	
options	Target property	Value	Description
			The desktop background im-
			age, on the target, is visible
			during a remote control ses-
			sion.
Stop screen	NoScreenSaver	not selected	Stops the target from sending screen
saver up-			updates when it detects that the screen
dates			saver is active.
			selected
			While the screen saver is ac-
			tive on the target system,
			the target stops transmitting
			screen updates. A simulat-
			ed screen saver is displayed
			on the controller computer
			so that the controller user
			knows that a screen saver is
			active on the remote screen.
			The controller user can close
			the screen saver by pressing
			a key or moving the mouse.
			not selected
			No simulated screen saver
			is displayed in the session
			window. The target screen is
			displayed as normal and the
			target continues to transmit
			screen updates.

- 3. Click  ${f Create \ Configuration \ Task}$ . Type the relevant information for your task and click  ${f OK}$
- 4. Enter your private key password and click  $\mathbf{OK}$ .

Your task is displayed in the list panel of the Remote Control Settings Tasks subnode.

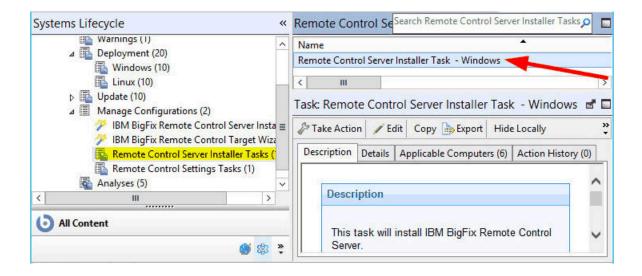


### Run BigFix Remote Control tasks

After you create server and target configuration tasks, run the tasks to install the BigFix Remote Control server software or change the configuration of already installed targets.

### Running server installer tasks

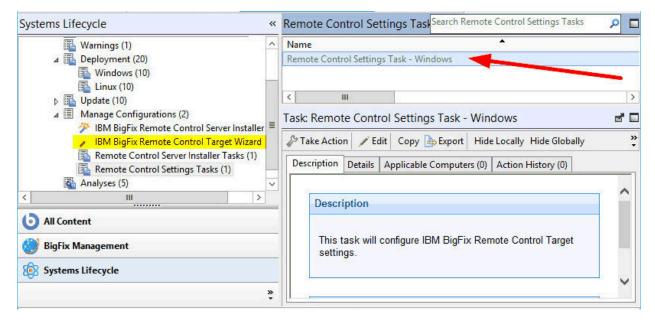
Use the **Remote Control Server Installer Tasks** subnode to run the tasks that you created by using the **BigFix Remote Control Server Installer Wizard**. Select the required task, review the description, and follow the instructions in the Actions box to initiate the task. Select the required task. Select the **Description** tab and review the description. If you are using a DB2, MS SQL, or Oracle database, you must enter the database password. Follow the instructions in the Actions box to initiate the task. These tasks install the BigFix Remote Control server software on your selected computers.



Note: If the server installer fails, the task fails and an exit code is displayed.

### Running target configuration tasks

Use the **Remote Control Settings Tasks** subnode to run the configuration tasks that you created by using the **BigFix Remote Control Target Wizard**. Select the task. In the **Task** window, review the description, and follow the instructions in the Actions box to initiate the task.



### **Analyses**

The **Analyses** subnode provides a set of analyses that gather installation, user, and audit information. This data provides a history of remote control connection events that took place on the computers in your environment that have the controller or target components installed. These analyses are activated globally therefore any computers in your environment, that the analysis is relevant for, report their values.

### Retrieving target installation and security data

The **Remote Control Installation and Security Options** analysis is used for gathering information about the installation and security property values from targets in your environment. The returned values provide information about the targets. For example, if they are allowed to take part in peer-to-peer sessions or if they can take part in remote control sessions that are initiated from an BigFix Remote Control server. For property value definitions, see step 2 (on page 74).

If the analysis is active, the computers that this analysis was relevant for and the values of the installation and security options, are displayed in the **Results** tab. You can expand the **Applicable Computers** entry and filter the data further by **Retrieved Properties**. This feature can be useful in many ways. For example, to determine which targets can take part in peer-to-peer remote control sessions or to view the version of target software that is installed on the various BigFix Remote Control targets.

For example, to view a list of targets that are running a specific version of BigFix Remote Control target software, expand **Applicable Computers > By Retrieved Properties > By Remote Control Target Version** and select a specific version from the list. A list of relevant targets is displayed.

### Retrieving audit events data

The **Remote Control Controller Logs** analysis is used for gathering the audit events from any computers in your environment that have the BigFix Remote Control controller component installed. The information is retrieved and updated every 6 hours. This information can be used for auditing purposes and also for monitoring session activity carried out by the controller user.

If the analysis is active, the list of computers that this analysis is relevant for is displayed in the **Results** tab. Double-click a computer to see summary data for the selected computer. The data includes a section for the controller log entries that are retrieved by the **Remote Control Controller Logs** analysis. You can also expand the **Applicable Computers** entry and filter the data further by specific retrieved properties.

**Note:** If the controller component is actively in a remote control session while the analysis tries to gather data from it, an error is reported. The error is reported in the analysis results stating that the file is in use.

### Retrieve user, session, and performance data

The Remote Control User, Session, and Performance Options analysis is used for gathering user interaction, session behavior, and performance property values from targets in your environment. Use the properties to determine what actions the controller user can carry out during a remote control session with this target. For property value definitions, see step 2 (on page 74).

If the analysis is active, the computers that this analysis was relevant for and the values of the user interaction properties are displayed in the Results tab. You can expand the Applicable Computers entry and filter the data further by specific retrieved properties.

#### Retrieve session connection data

The Remote Control Target Log (Start/Stop) analysis is used for gathering the audit events from any computers in your environment that have the BigFix Remote Control target component installed.

The information is retrieved and updated every 6 hours. The information that is returned by this analysis is useful for viewing remote control session usage activity on specific targets. Only the session connection, start, and stop events that are returned for each session. If you require information about the remote control session activity, use the Remote Control Target Log analysis.



Note: This analysis is only valid for Windows targets.

If the analysis is active, the Results tab lists the computers that this analysis was relevant for. Doubleclick a computer to see summary data for the selected computer that includes a section for the target log start stop entries. You can also expand the Applicable Computers entry and filter the data further by specific retrieved properties.

### Retrieve session activity data

The Remote Control Target Logs analysis is used for gathering the audit events from any computers in your environment that have the BigFix Remote Control target component installed. The information is retrieved and updated every 6 hours. This information is useful for auditing purposes. Details of the actions that were carried out during a remote control session are displayed. For example, a change in session type or a file transfer. The controller user in the session is also displayed.

If the analysis is active, the computers that this analysis was relevant for are displayed in the Results tab. Double-click a computer to see summary data for the selected computer. The data includes a section for the target log entries that are retrieved by the Remote Control Target Logs analysis. You can also expand the **Applicable Computers** entry and filter the data further by specific retrieved properties.

**Note:** To view the complete information for the reason codes, use the web reports feature to display the output. For more information about web reports, see <u>Viewing web reports</u> (on page 124).

### Enable smart card authentication in the target

To support smart card authentication in the BigFix Remote Control Target you must install the device driver for the IBM virtual smart card reader and certificates on the target. You can install the driver and certificates after you install the target by running a Fixlet® in the BigFix console. You can also install the certificates by using Active Directory Group Policy.

The device driver for the IBM virtual smart card reader is required to enable the use of smart cards for remote authentication, or to perform an action on the target computer. During a remote control session, the target creates a virtual card reader. The controller user selects a physical card reader on their system to connect it to the virtual card reader so that the target system can access the smart card. During the session, when Windows makes a request to the virtual card reader, the target redirects the request to the physical card reader on the controller system. For more information about using the smart card feature during a session see, Connecting to a smart card reader during a sessionthe *BigFix Remote Control Controller User's Guide*.

Note: The device driver for the IBM virtual smart card reader is supported only in Windows 7 or later and Windows Server 2008 R2 or later.

### Determining whether smart card support is enabled

To enable smart card support on your targets, multiple prerequisites must be met. Check which of your computers need action by using an Analysis.

To see the status of your computers, complete the following steps:

- Go to the BigFix Remote Control- Virtual Smart Card Reader Driver Status analysis in the Remote Control site.
- 2. Review the information in the **Description** tab.
- 3. Review the information in the **Results** tab.
  If smart card support is enabled, the **Driver Installed** value reports the version of the driver installed, and the following properties display a YES value:
  - Trusted Publisher SHA1 Installed
  - Trusted Publisher SHA256 Installed
  - Root CA SHA1 Installed

#### Root CA SHA256 Installed

The **KB2921916 Installed** and **KB3033929 Installed** properties can display the value YES or N/A, depending on the version of Windows operating system installed on the target.

Note: If <error> is displayed in the KB2921916 Installed and KB3033929 Installed columns, you must ensure that you are subscribed to the Patches for Windows site. Enable the Patches for Windows site in the License Overview section of the BigFix console.

# Installing the virtual smart card reader driver and certificates by running a Fixlet

Install the device driver for the IBM virtual smart card reader together with the certificates by running a Fixlet in the BigFix console.

You can install the driver and certificates by running a Fixlet after you install the target. To install the driver and certificates, complete the following steps:

- 1. In the **Remote Control** site, click the **Deployment** node.
- Select the Install BigFix Remote Control Virtual Smart Card Reader Driver version 9.1.4.0500 and certificates task.
- 3. Review the information in the **Description** tab.
- 4. Follow the instructions in the **Actions** field to install the driver.

The device driver and certificates that are required for smart card authentication are installed. During a remote control session, when the controller user selects a physical card reader on their system, the target can now create a virtual card reader.

**Note:** If an error is reported when you run the Fixlet, use the VSCDriverInstall.log file in the target installation directory for debugging purposes.

# Removing the virtual smart card reader driver and certificates by running a Fixlet

Remove the device driver for the IBM virtual smart card reader together with the certificates by running a Fixlet in the BigFix console.

To remove the driver and certificates complete the following steps:

1. In the **Remote Control** site, click the **Deployment** node.

- 2. Select the Uninstall Virtual Smart Card Reader Driver for BigFix Remote Control task.
- 3. Review the information in the **Description** tab.
- 4. Follow the instructions in the **Actions** field to remove the driver and certificates.

The device driver and Trusted Publisher certificates that are required for smart card authentication are removed from the selected computers. The smart card feature is no longer available on the selected computers.

**Note:** If an error is reported when you run the Fixlet, use the VSCDriverUninstall.log file in the target installation directory for debugging purposes.

### Installing the certificates by running a Fixlet

Use a Fixlet to install the certificates that are required by the device driver for the IBM virtual smart card reader.

You can install the certificates together with the driver by running a Fixlet. However, if the results of the **BigFix Remote Control - Virtual Smart Card Reader Driver Status** analysis show that the device driver is installed on your computer, but there are no certificates, you can install the certificates by running a Fixlet. To install the certificates, complete the following steps:

- 1. In the **Remote Control** site, click the **Deployment** node.
- 2. Select the Install BigFix Remote Control Certificates for the Virtual Smart Card Reader Driver version 9.1.4.0500 task.
- 3. Review the information in the **Description** tab.
- 4. Follow the instructions in the **Actions** field to install the driver.

The certificates that are required for smart card authentication are installed. For more information about the **BigFix Remote Control - Virtual Smart Card Reader Driver Status** analysis, see <u>Determining whether smart card support is enabled (on page 112)</u>.

**Note:** If an error is reported when you run the Fixlet, use the VSCCertsInstall.log file in the target installation directory for debugging purposes.

### Downloading the certificates for the IBM virtual smart card reader

You can download the certificates that are required by the device driver for the IBM virtual smart card reader and install them manually. For example, by using Active Directory Group Policy.

You can download the certificates in multiple ways. Choose the method for downloading the certificates.

- Download the files from the Remote Control site in the BigFix console:
  - 1. Click the **Deployment** node and select the **Install BigFix Remote Control Virtual Smart Card Reader Driver version 9.1.4.0500 and certificates** task.
  - 2. Select the **Description** tab.
  - 3. Follow the instructions in the **Description** field to download the certificates.
  - 4. Save the vsc\_certs\_0502.zip file.
  - 5. Extract the certificate files from the .zip file.
- Extract the certificate files from the installation media:
  - 1. Access the BigFix Remote Control V9.x.x Image 1 in Passport Advantage. For more information about the image file, see Obtain the installation files.
  - 2. Download the BigFix\_Rem\_Cntrl\_V9xx\_Image\_1.zip file, where 9xx is relevant to the version that is installed.
  - 3. Extract the certificate files from the \Windows directory of the .zip file.

When you install the certificates, you must install the ibm\_corporation.crt file to the Trusted
Publishers store. Install the TrustedRoot.crt and verisign-universal.cer files to the Trusted
Root Certificate Authorities store.

### Configure single sign-on (SSO) on the server

BigFix Remote Control V9.1.3 introduced support for SAML 2.0 authentication on the BigFix Remote Control server.

You can configure Single Sign-On (SSO) in multiple ways.

- During the BigFix Remote Control server installation.
- After you install the server.

After you configure SSO and access the remote control server, you are redirected to the SAML Identity Provider logon page to log on. The remote control server UI logon page is no longer displayed. However, the admin user ID must be able to log on to the remote control server without using SSO. Type the following URL in your browser to log on with the admin user ID when SSO is enabled. https://[serverurl]/trc/altLogon.do, where [serverurl] is the URL of your remote control server.

### Configuring the server for single sign-on during installation

During the installation of the BigFix Remote Control server, you can configure support for SAML V2.0 authentication.

Download the server installation file by running a Fixlet. For more information, see <u>Download the BigFix</u> Remote Control server component (on page 53).

- 1. Follow the installation steps in Installing by using the server installerthe **Installing by using the server installer** chapter in the *BigFix Remote Control Installation Guide*.
- 2. During the installation, select your configuration options on the SSO configuration window.

#### **Enable SSO**

Select this option to enable Single-Sign-On (SSO). To continue with the configuration, you must get the SAML metadata XML file from the Identity Provider (IdP) and which hash algorithm they are using: SHA-1 or SHA-256. After the server starts, download the SP metadata and provide it to the IdP to establish federation between this SP and the IdP. Type the following URL in your browser to download the metadata: HTTPS://[rc-server-url]:443/ibm/saml20/defaultSP/samlmetadata, where [rc-server-url] is the URL of your remote control server. You must also add users to the remote control database so that they can log on by using SSO.

#### Metadata XML file

Click **Choose** and select the SAML metadata XML file that you obtained from the IdP.

#### Algorithm used to sign SAML messages

Select the signature algorithm (SHA-1 or SHA-256) to use to sign messages in communications between the Identity Provider (IdP) and this Service Provider (SP) which is the BigFix Remote Control Server.

#### Advanced parameters (optional)

Type in further configuration options, by adding attribute names in a space-separated list, in the following format: [keyword]="[keyword-value]". Where [keyword] is the attribute name and [keyword-value] is the attribute value. For more information about further configuration parameters, see <u>SAML Web SSO 2.0 Authentication</u> (samlWebSso20).

#### Force regeneration of SAML data. (you must re-register with the IdP)

The first time that you enable SSO, a new default SAML certificate keystore is created. For future upgrades, you can select the regeneration option to create a new default

certificate keystore. The current keystore is deleted and the new one is saved. When you select this option, you must reestablish the connection between the SP and the IdP after the server restarts.

3. Complete the installation. After you click **Install** on the **Summary** window in the installation program, the **Important** window is displayed. Take note of the URL and information on the **Important** window. After the server starts, type the URL in your browser to download the SP metadata. You must provide the metadata to the IdP to establish federation between them.

### Configuring the server for single sign-on after installation

After you install the BigFix Remote Control server, you can configure it to support SAML 2.0 authentication.

You must create a keystore with a single self-signed certificate before you start the configuration. Select a **Key Size** of 2048 and select sha256 for the **Signature Algorithm**. The keystore file can be a .p12 or .jks file. Do not save the file to the server installation directory because that might conflict with the server self-signed certificate. Set a long validity period for the keystore. For more information about creating a keystore file, see Creating a self signed certificate.

**Note:** SSO support in BigFix Remote Control is done through the WebSphere Liberty samlWebSso20 feature. By default, the **NameID** that is returned by the Identity Provider to our service must contain an email field in the following format.

```
URI: urn:oasis:names:tc:SAML:1.1:nameid-format:emailAddress
```

You can configure a Liberty server as a SAML web browser Single-Sign-On (SSO) service provider by enabling the samlWeb-2.0 feature in Liberty.

To configure the BigFix Remote Control server, complete the following steps:

1. Create an sso.xml file in the following directory:

#### Windows operating system

```
C:\Program Files (x86)\IBM\Tivoli\TRC\server\wlp\usr\servers
\trcserver
```

#### Linux operating system

```
/opt/IBM/Tivoli/TRC/server/wlp/usr/servers/trcserver
```

2. Add the following content to the sso.xml file:

```
<server>
<featureManager>
<feature>samlWeb-2.0</feature>
</featureManager>
</featureManager>
<samlWebSso20 id="defaultSP" keyStoreRef="samlKeyStore" httpsRequired="true"
signatureMethodAlgorithm="SHA256" spHostAndPort="https://[hostname:port]">
<keyStore id="samlKeyStore" location="[samlKey.file]"
password="[yourkeystorepassword]" type="[filetype]"/>
</server>
```

#### [hostname:port]

Defines the host name and SSL port of your remote control server. For example, https://example.com:443/.

#### [samlKey.file]

Defines the path to your keystore file. For example, c:\trc\samlKey.jks.

#### [yourkeystorepassword]

Defines the password for your keystore file. For example, password="mypassword".

#### [filetype]

Defines the file type of your keystore file. For a .p12 file, set type to PKCS12. For a .jks file, set type to JKS.

The **keyStore** id value must match the **keyStoreRef** value in the **<samlWebSso20>** element.

You can add more configuration parameters. For more information, see <u>SAML Web SSO 2.0</u> <u>Authentication (samlWebSso20)</u>.

In a default configuration, the following values are used:

#### AssertionConsumerService URL

```
https://<hostname>:<sslport>/ibm/saml20/defaultSP/acs.
```

#### Service Provider (SP) metadata URL

```
https://<hostname>:<sslport>/ibm/saml20/defaultSP/samlmetadata
```

Where **<hostname>** is the host name of your BigFix Remote Control server and **<sslport>** is the SSL Port value. For example, 443.

3. Edit the application.xml file in the following directory:

#### Windows operating system

```
C:\Program Files (x86)\IBM\Tivoli\TRC\server\wlp\usr\servers
\trcserver
```

#### Linux operating system

```
/opt/IBM/Tivoli/TRC/server/wlp/usr/servers/trcserver
```

Add the following **<application-bnd>** statement to the file.

4. Get the SAML metadata XML file from the Identity Provider (IdP).

How this file is obtained varies, depending on the IdP. Rename the file to idpMetadata.xml and copy it to the following directory on the server:

#### Windows operating system

```
C:\Program Files (x86)\IBM\Tivoli\TRC\server\wlp\usr\servers
\trcserver\resources\security
```

#### Linux operating system

```
/opt/IBM/Tivoli/TRC/server/wlp/usr/servers/trcserver/resources/
security
```

5. Edit the common.properties file and set sso.enabled to *True*.

The file is in the following directory:

#### Windows systems

```
[install dir] \verb|\wlp\usr\servers\trcserver\apps\TRCAPP.ear\trc.war\\ \verb|\web-inf\classes|
```

Where [installdir] is the directory in which the BigFix Remote Control server is installed.

#### **Linux systems**

```
[installdir]/wlp/usr/servers/trcserver/apps/TRCAPP.ear/trc.war/
WEB-INF/classes
```

Where [installdir] is the directory in which the BigFix Remote Control server is installed.

- 6. Restart the BigFix Remote Control server.
- 7. After the server restarts, type the following URL into your browser to download the metadata for this service provider (SP) which is the BigFix Remote Control Server:

https://<hostname>:<sslport>/ibm/saml20/defaultSP/samlmetadata, where <hostname> is the host name of your remote control server and <sslport> is the SSL port of the server. Provide the metadata to the SAML identity provider to establish federation between this SP and Identity Provider (IdP).

When you access the BigFix Remote Control server application, and you did not previously log on, you are redirected to the IdP. If you did previously log on by using the same IdP, you are automatically logged on to the BigFix Remote Control server application.

Note: After you enable SAML 2.0 authentication, if you reinstall or upgrade your server, the sso.xml file must be copied to a temporary directory before you start. Replace the sso.xml file that is installed during the upgrade with the backed-up file. Also, ensure that sso.enabled is set to *True* in the common.properties file.

### Enable secure target registration.

To prevent unauthorized targets from registering with the BigFix Remote Control server, you can enable the secure registration feature and use tokens to authenticate the target.

After you install the server, create a registration token on the server and distribute it when you install the target. The token is used to restrict new target registrations, or restrict updates to existing target details when you reinstall a target. After the target registers, the server sends an endpoint token to the target to replace the token that was used when it registered. The target uses the endpoint token to authenticate with the server each time it contacts the server.

#### **New Installation scenario**

The following scenario covers a new installation of server and targets.

 Create a server installer task and select Use secure registration tokens to register targets. Ensure that HTTPS as Default for Target URL is also selected. Run the task. For more information about creating a server installer task, see <u>Creating BigFix Remote</u> <u>Control server installation tasks (on page 58)</u>.

- · Create a secure registration token in the server UI.
  - 1. Click Admin > Create Secure Registration Token.
  - 2. Supply the following information for the token. The default time period starts from the current date and time until 23:59 on the next day.
    - Description for token. Enter a description for the token.
    - Starting on. Click the calendar pull-down and select a date that the token is valid from. Enter a start time or keep the default time.
    - Ending on. Click the calendar pull-down and select a date that the token is valid to. Enter an end time or keep the default time.
  - 3. Click **Submit**. Before you leave the page, you must copy the registration token. Keep the token secure and confidential.
- Run the relevant target deployment task and enter the registration token. For more information, see <u>Deploying the Windows target (on page 11)</u> or <u>Deploying the Linux</u> target (on page 25).

#### Upgrade scenario

The following scenario covers an upgrade of the server and targets.

- Create a server configuration task. Do not select Use secure registration tokens to
  register targets. Select Migrate values from the existing properties files. Run the task.
   For more information about creating a server installer task, see <u>Creating BigFix Remote</u>
  Control server installation tasks (on page 58).
- · Create a secure registration token in the server UI.
  - 1. Click Admin > Create Secure Registration Token.
  - 2. Supply the following information for the token. The default time period starts from the current date and time until 23:59 on the next day.
    - Description for token. Enter a description for the token.
    - Starting on. Click the calendar pull-down and select a date that the token is valid from. Enter a start time or keep the default time.
    - Ending on. Click the calendar pull-down and select a date that the token is valid to. Enter an end time or keep the default time.
  - 3. Click **Submit**. Before you leave the page, you must copy the registration token. Keep the token secure and confidential.

- To upgrade the target, run the update task that is relevant to your operating system. For more information, see <u>Updating the Windows target (on page 43)</u> or <u>Updating the</u> <u>Linux target (on page 48)</u>.
- Run the Set Secure Registration Token for Remote Control Targets task and enter the registration token. For more information, see <u>Distributing a secure registration token to</u> targets (on page 122).
- Enable the secure registration feature in the server UI.
  - 1. In the server UI select **Admin > Edit properties file**.
  - 2. Select trc.properties from the list.
  - Set rc.enforce.secure.registration to true. Ensure that the
    enforce.secure.endpoint.callhome and enforce.secure.endpoint.upload properties
    are also set to true.
  - 4. Click Submit.
  - 5. Click Admin > Reset Application

### Distributing a secure registration token to targets

Use the **Set Secure Registration Token for Remote Control Targets** task to distribute a secure registration token to selected targets. The targets can use the token to securely register with the Remote Control server.

To run the task, you must have a valid secure registration token. For more information about creating a token, see Creating a secure registration token Creating a secure registration token in the BigFix Remote Control Administrator's Guide.

For secure target registration, the feature must also be enabled in the Remote Control server. The **rc.enforce.secure.registration** property in the **trc.properties** file must be set to true. Ensure that the **enforce.secure.endpoint.callhome** and **enforce.secure.endpoint.upload** properties are also set to true. For more information about enabling secure registration on the server, see Enable secure target authentication in the server in the *BigFix Remote Control Installation Guide*.

To distribute the secure registration token, complete the following steps:

- 1. Within the **Systems Lifecycle** domain, expand **Remote Control configuration > Remote Control**.
- 2. Select **Update**.
- 3. In the Update pane, select the Set Secure Registration Token for Remote Control Targets task.

4. In the **Task** pane, review the description. Enter the secure registration token. Follow the instructions in the **Actions** box to start the task.



5. In the **Take Action** pane on the **Target** tab, select the relevant option for determining which computers to distribute the secure registration token to.

The next time that the target contacts the server, it sends the secure registration token. If the secure authentication feature is enabled on the server, the server validates the token. If the token is valid, the target is registered and the server sends back an endpoint token to the target.

### Chapter 6. Viewing web reports

BigFix Remote Control offers a report available in the **Web Reports** component of the application. The web report was formulated to provide log data that is gathered from the controller and target logs relevant to specific targets. The data can be used for auditing purposes and for monitoring remote control activity on specific computers in your environment.

To access the BigFix Remote Control web report, complete the following steps:

- 1. Click Tools > Launch Web Reports
- Enter your Web Reports user name and password.
   If you do not know your user name or password, check with your administrator. After you log on, the main web reports page opens in a new browser window.
- 3. Select **Systems Lifecycle** to see a list of reports that includes the BigFix Remote Control report.

  The BigFix Remote Control Events entry is displayed in the reports list under the **Report List** menu.
- 4. Click BigFix Remote Control Events.
- 5. Enter the computer name of the target whose information you want to view and click View Events.

Any log data that was gathered from the controller and target logs, for the specified target is displayed in the relevant sections, showing the remote control events.

### Appendix A. Frequently asked questions

- The target software is installed on a target, but why is there is no menu option to start a remote
  control session when you right-click the computer in the BigFix console?
   To start a remote control session by using this method, make sure that the following conditions are
  met.
  - The controller component is also installed on the system that the BigFix console is installed on.
  - For the menu item to be visible, the **Remote Control Installation and Security Options** analysis must be active for the selected computer and reporting that the BigFix Remote Control target is active.
  - When the controller is deployed, only the current user who is logged on to the computer that you are deploying to has the rights to see the menu item; it is not visible to other users. The following registry key can also be created:

Key name: HKEY\_CURRENT\_USER\Software\BigFix\Enterprise Console\Settings
\ComputerListContextMenuExtensions\TivoliRC

#### With the following values:

```
ComputerApplicabilityRelevance = value of results (current computer, property 1

of fixlet 4 of bes site whose (name of it starts with "Tivoli Remote Control"))

of fixlet 4 of bes site whose (name of it starts with "Remote Control"))

= "True"

MaxComputerSetSize = 1

MenuDisplayName= &BigFix Remote

Control

ShellCommandRelevance = "%22C:\Program Files\IBM\Tivoli\Remote Control

\Controller\jre\bin\javaw.exe%22 -jar %22C:\Program Files\IBM\Tivoli

\Remote Control\Controller\TRCConsole.jar%22 --host " & ip address

of current computer as string
```

- 2. I have deployed the target software in peer-to-peer mode. I now want the target to register with my BigFix Remote Control server. How can I get it to connect to the server?
  - Use the BigFix Remote Control Target wizard to create a configuration task and specify the server URL of the required server. Run the task on the selected target to reconfigure it so that it can contact

the server. For more information about creating the tasks, see <u>Creating BigFix Remote Control target</u> <u>configuration tasks (on page 73)</u>.

- 3. Where can I find more information about using BigFix Remote Control?
  Information about installing, using, and administering BigFix Remote Control can be found in the BigFix Remote Control documentation in HCL Knowledge Center.
- 4. Extra BigFix Remote Control function is available when you have the BigFix Remote Control server component installed; where can I obtain the server component from?
  - You can create a server installation task by using the **BigFix Remote Control Server Installer Wizard** to create an BigFix Remote Control server configuration. For more information about creating a server task, see <u>Creating BigFix Remote Control server installation tasks</u> (on page 58).
  - You can also install a server that points to an already installed WebSphere Application Server instance that uses an already installed DB2, MS SQL, or Oracle database. For more information about installing the server, see the *BigFix Remote Control Installation Guide* and the section that displays, Installing the server.
- 5. How can I determine which type of server installation would be suit my environment?
  For guidelines to consider when you plan your installation, see the BigFix Remote Control Installation Guide.

## Appendix B. Support

For more information about this product, see the following resources:

- Knowledge Center
- BigFix Support Center
- BigFix Support Portal
- BigFix Developer
- BigFix Wiki
- HCL BigFix Forum

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