

BigFix
Client Compliance User Guide



Special notice

Before using this information and the product it supports, read the information in [Notices \(on page xvii\)](#).

Edition notice

This edition applies to BigFix version 11 and to all subsequent releases and modifications until otherwise indicated in new editions.

Contents

Chapter 1. BigFix Client Compliance Configuration.....	5
Deploying an existing BigFix Client Compliance document.....	5
Creating a new BigFix Client Compliance document.....	7
Deploying a task to the computer.....	11
Chapter 2. BigFix Client Compliance Windows (IPSec Framework).....	14
Notices.....	xvii

Chapter 1. BigFix Client Compliance Configuration

BigFix Client Compliance Configuration allows you to deploy client compliance document to a set of computers. You can also create a new policy document using BigFix Client Compliance Configuration Wizard.

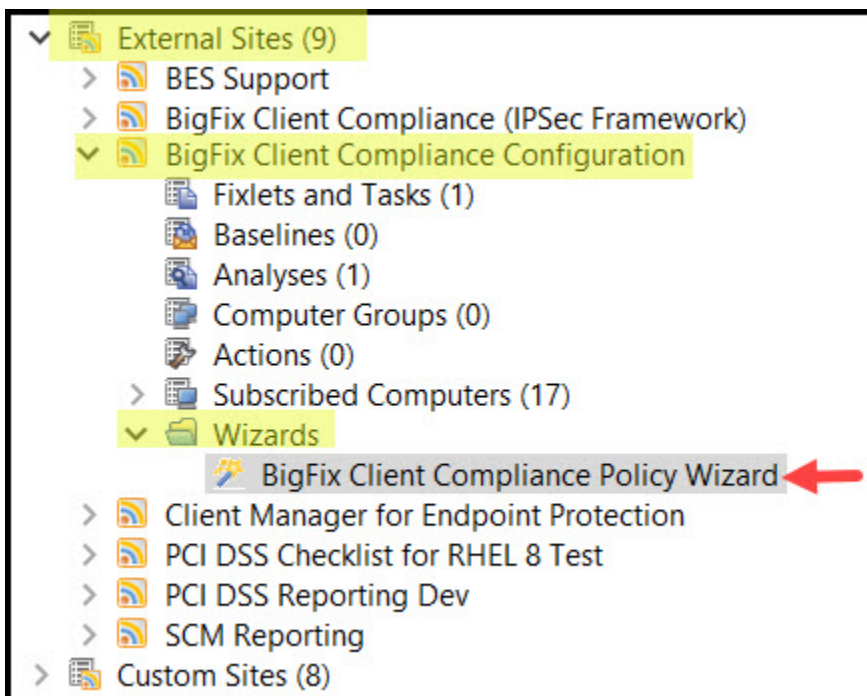
Deploying an existing BigFix Client Compliance document

Use BigFix Client Compliance Policy Wizard to modify and deploy policy to one or more computer or client endpoints.

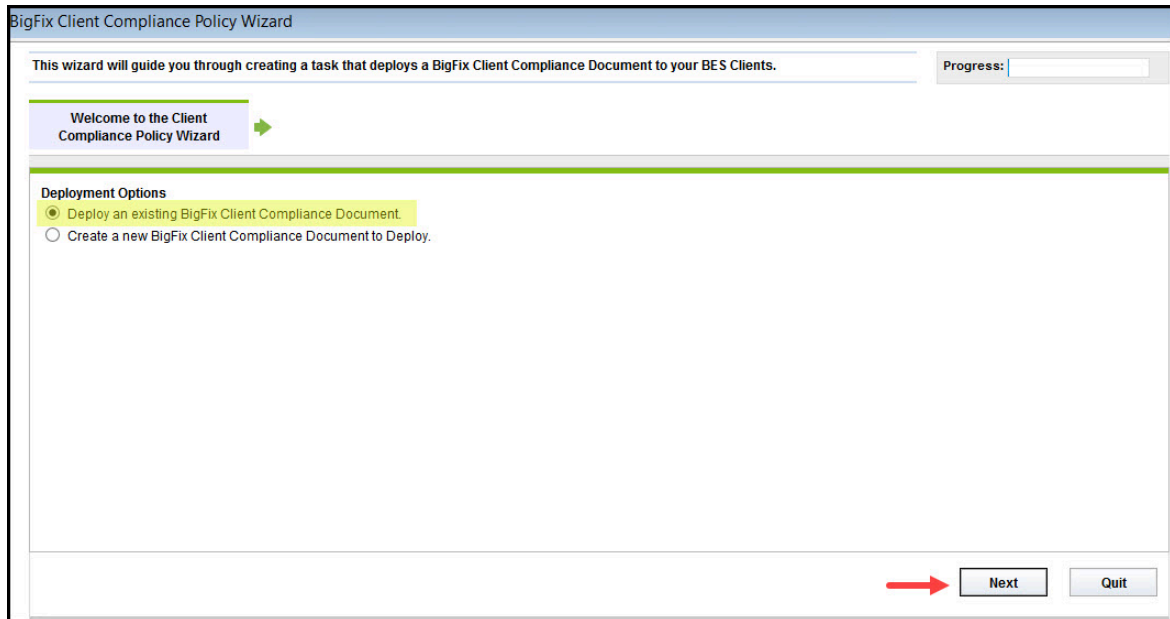
1. Login to BigFix console and select **BigFix Management** from the list of available domains.



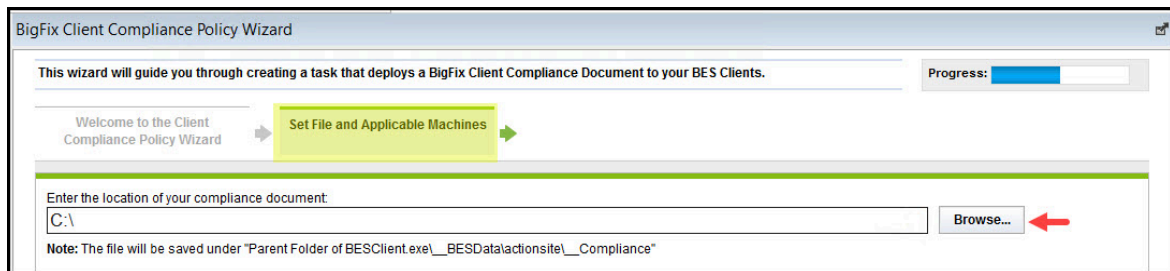
2. To access **BigFix Client Compliance Policy Wizard**, select **External Sites > BigFix Client Compliance Configuration > Wizards > BigFix Client Compliance Policy Wizard** from the navigation tree.



3. In the **Welcome to the Client Compliance Policy Wizard** tab, select **Deploy an existing BigFix Compliance Document** and click **Next**.



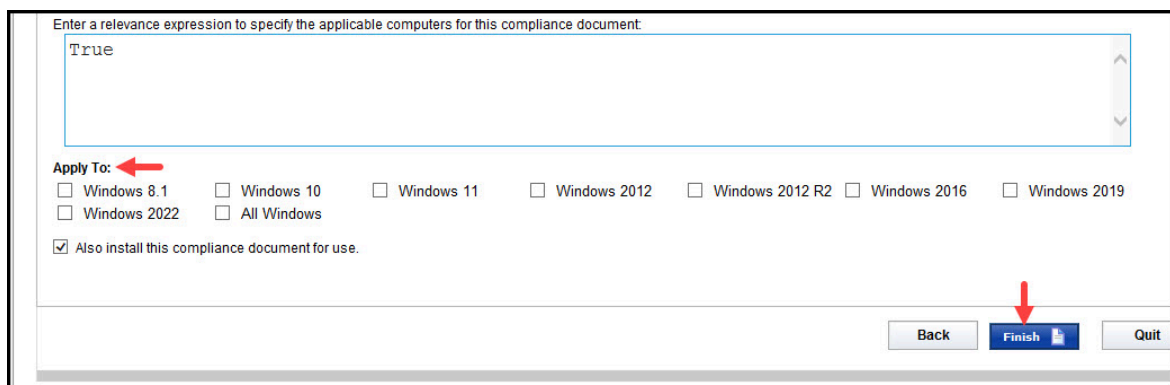
4. In the **Set File and Applicable Machines** tab, click **Browse...** to select a policy document to modify.



5. Select the applicable operating system and click **Finish** to save the changes.



Note: The relevance expression changes as per the operation system selected.



For more information on deploying the tasks to the computer, see [Deploying a task to the computer \(on page 11\)](#).

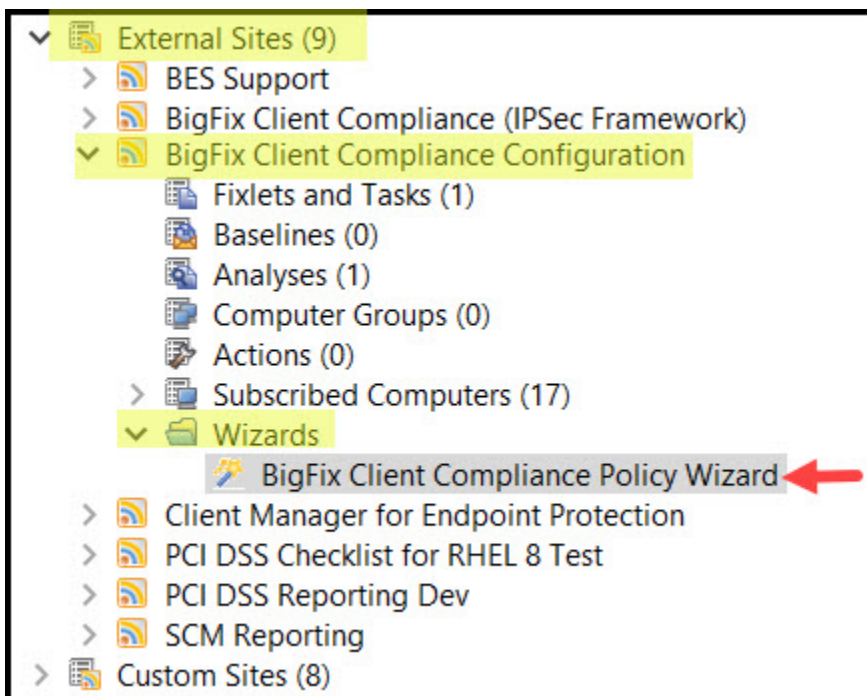
Creating a new BigFix Client Compliance document

Use BigFix Client Compliance Policy Wizard to create a new policy document and deploy policy to one or more computer or client endpoints.

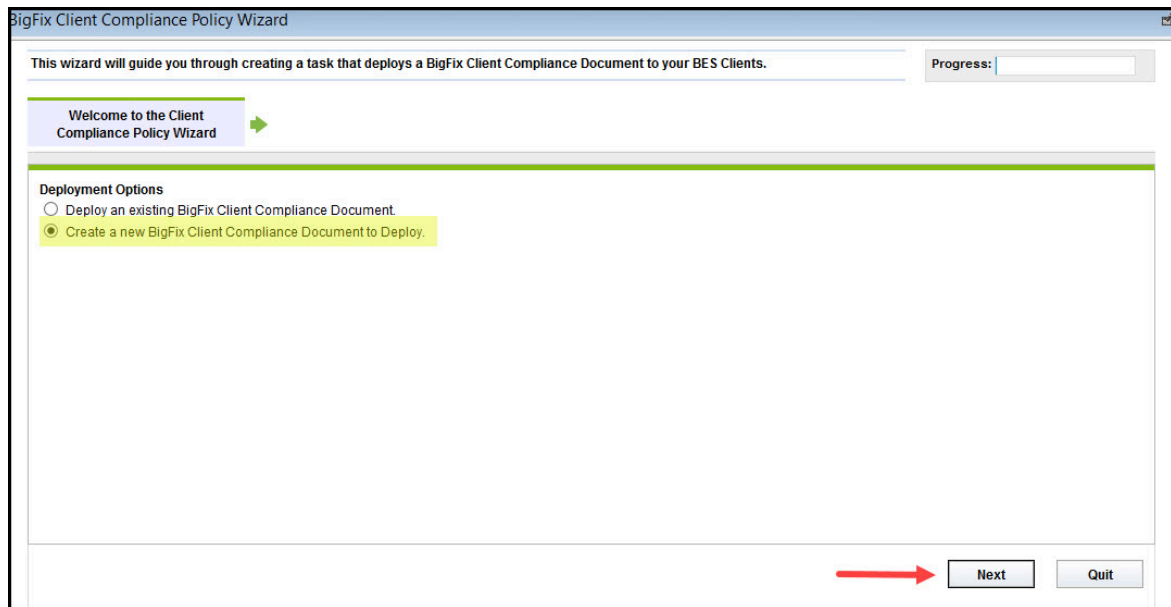
1. Login to BigFix console and select **BigFix Management** from the list of available domains.



2. To access **BigFix Client Compliance Policy Wizard**, select **External Sites > BigFix Client Compliance Configuration > Wizards > BigFix Client Compliance Policy Wizard** from the navigation tree.



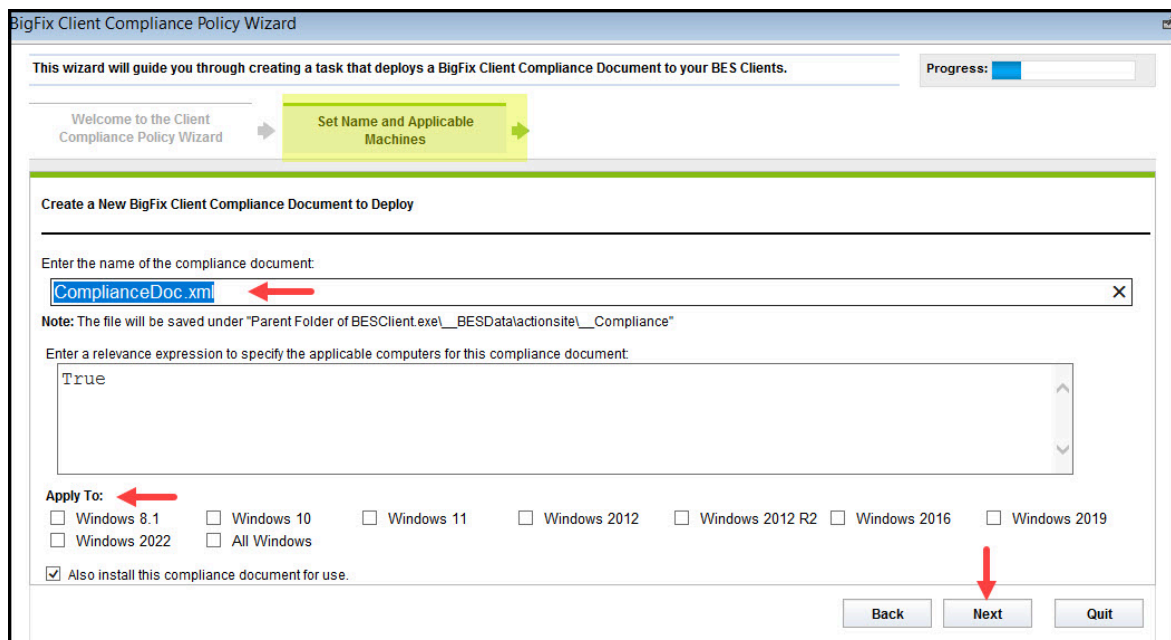
3. In the **Welcome to the Client Compliance Policy Wizard** tab, select **Deploy an existing BigFix Compliance Document** and click **Next**.



4. In the **Set Name and Applicable Machines** tab, provide the required information such as **Name**, **operating system** and click **Next**.



Note: The relevance expression is auto generated based on the operating system and other parameters.



5. In the **Set Basic Quarantine Settings** tab, check the required settings from the list, define its parameter and click **Next**. For example, check **Maximum number of relevant critical patches** and define its parameter.

BigFix Client Compliance Policy Wizard

This wizard will guide you through creating a task that deploys a BigFix Client Compliance Document to your BES Clients.

Progress:

Welcome to the Client Compliance Policy Wizard → Set Name and Applicable Machines → **Set Basic Quarantine Settings** →

Note: Leave check boxes cleared and click "Next" if you do not want to set any basic settings.

☒ Maximum number of relevant critical patches: 10 ←

☐ Maximum age of any relevant critical patch: In day(s) 30

☐ Name of a process required to be running: DefWatch.exe

Back Next Quit

6. In the **Set Anti-Virus Quarantine Settings** tab, check the required **antivirus application** from the list, define its maximum age in day(s) and click **Next**.

BigFix Client Compliance Policy Wizard

This wizard will guide you through creating a task that deploys a BigFix Client Compliance Document to your BES Clients.

Progress:

Welcome to the Client Compliance Policy Wizard → Set Name and Applicable Machines → Set Basic Quarantine Settings → **Set Anti-Virus Quarantine Settings** →

Please specify any AntiVirus applications that are required to be running and specify the maximum AntiVirus definition age. A computer will be considered compliant if at least one of the selected AntiVirus applications is running with definitions less than the specified number of days old.

AntiVirus Applications

☒ McAfee VirusScan 8i/8.5i/8.7i/8.8i: 10 day(s) ←

☐ McAfee Endpoint Security 10.x: 10 day(s)

☐ Symantec Anti-Virus Corporate or Endpoint Protection: 10 day(s)

☐ Sophos Anti-virus 10.x: 10 day(s)

☐ Sophos Anti-virus / Endpoint Security 10.x: 10 day(s)

☐ Trend Micro OfficeScan 11.x/12.x: 10 day(s)

☐ Trend Micro Server Protect 5.x: 10 day(s)

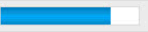
Back Next Quit

7. In the **Custom Compliance Checks** tab, users can try various options to **Create Custom Compliance Check** such as:

- a. user can add a new custom compliance checks
- b. user can edit the existing custom compliance checks
- c. user can view the existing custom compliance checks
- d. user can remove the existing custom compliance checks

and click **save** and then click **Finish** on the **Custom Compliance Checks** tab.

BigFix Client Compliance Policy Wizard

This wizard will guide you through creating a task that deploys a BigFix Client Compliance Document to your BES Clients. Progress: 

Welcome to the Client Compliance Policy Wizard → Set Name and Applicable Machines → Set Basic Quarantine Settings → Set Anti-Virus Quarantine Settings → **Custom Compliance Checks** →

Please use the controls below to create custom compliance checks:


Custom Compliance Checks:

Add

Edit/View

Remove

Back Finish Quit



Create Custom Compliance Check

Please use the controls below to edit individual custom compliance check:


Enter a name for the compliance check (required): (e.g. Service Pack Level):

Enter a relevance expression (required): (e.g. name of operating system = "Win8.1")

Enter a description: (e.g. This item will return the service pack level)

Enter a comment (e.g. This compliance check will fail on Unix clients)

Save Cancel



8. In the **Security Warning** dialog window, click **Continue**.

9. Use the **Create in site** and **Create in domain** drop-down to select the **site** and **domain**, and click **OK**.

here to deploy this task.' The 'OK' button is highlighted with a red arrow."/>

The screenshot shows the 'Create Task' dialog box. At the top, the 'Name' field is populated with 'Client API Compliance Rule Document - ComplianceDoc.xml'. To the right, there are two dropdown menus: 'Create in site' set to 'Master Action Site' and 'Create in domain' set to 'BigFix Management'. Below these are four tabs: 'Description', 'Actions', 'Relevance', and 'Properties'. The 'Description' tab is selected, displaying a text area with the text: 'This task will create and deploy BigFix client API compliance rule document ComplianceDoc.xml.' The 'Actions' tab is also visible, showing a text area with the text: 'Click [here](#) to deploy this task.' At the bottom of the dialog, there are 'OK' and 'Cancel' buttons. A red arrow points to the 'OK' button.

A new policy document is created as a task in the selected site and this task will become relevant when the computer in site matches the parameters defined in the policy.

For more information on deploying the tasks to the computer, see [Deploying a task to the computer \(on page 11\)](#).

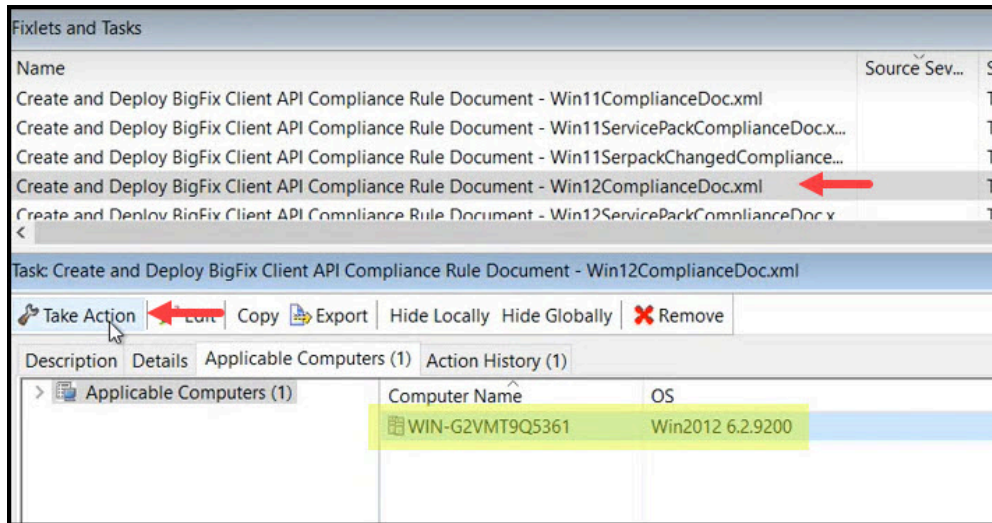
Deploying a task to the computer

Understand how to deploy the task to the computer or client endpoint.

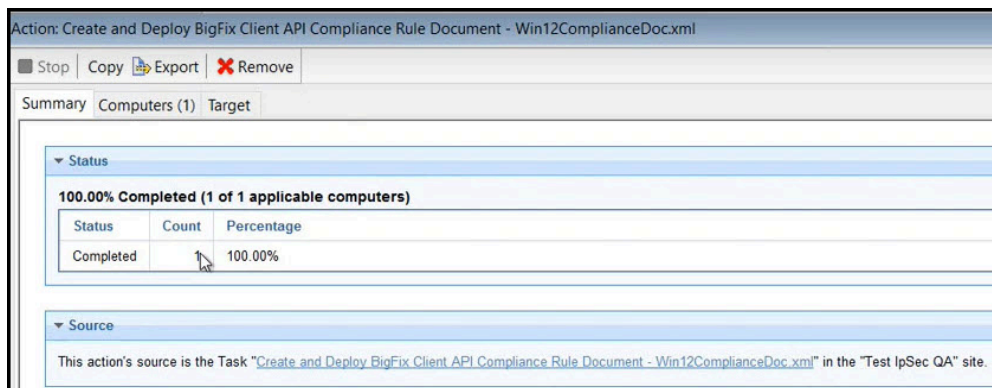
1. Select the **Task** from the list of Fixlets and Tasks and click **Take Action**.



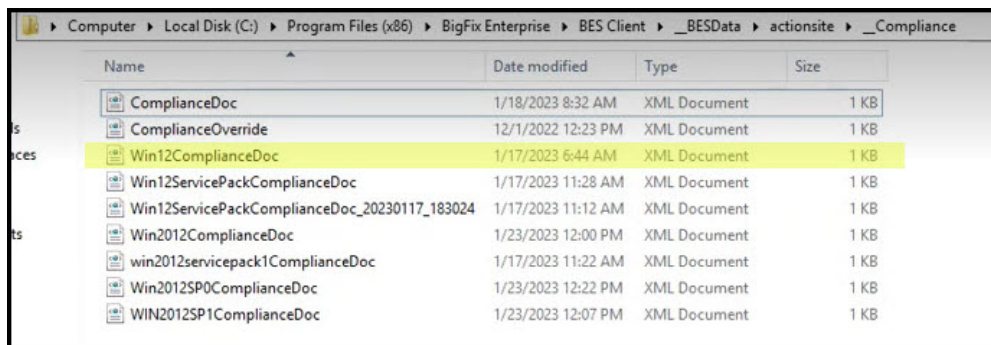
Note: You can see the applicable computer in the work area.

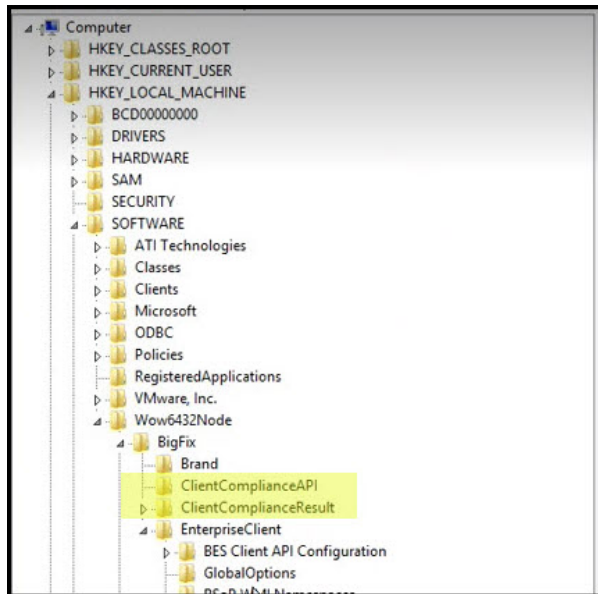


2. To see the progress, click **Action History**.



When the task is successfully deployed, a **.xml** file is created in the respective computer. Along with the **.xml** file, the relevant registry folders and keys are generated in the computer.





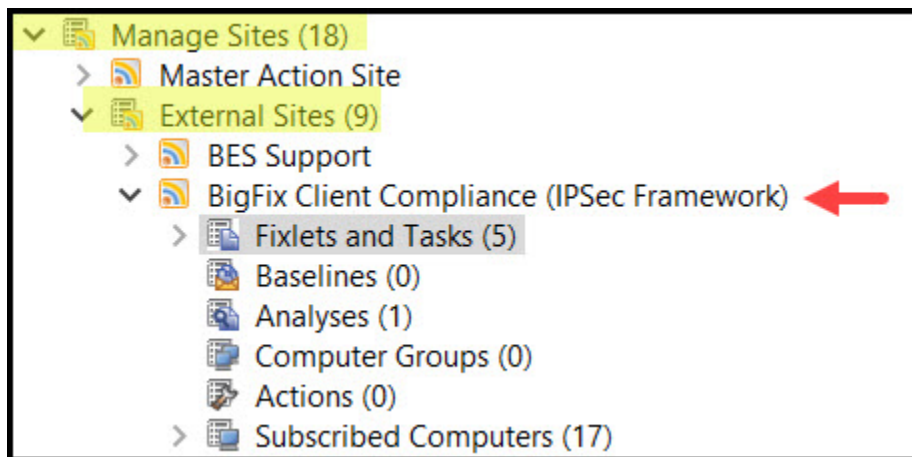
Chapter 2. BigFix Client Compliance Windows (IPSec Framework)

The BigFix Client Compliance Windows (IPSec Framework) Fixlet site provides self-quarantine capabilities using the BigFix Client Compliance extension. In this solution, the BES Client restricts or enables inbound and outbound network connectivity based on the compliance status of the computer (but still passing BES network traffic to allow management of the computer through BES).

The following Fixlets, Task and Analysis are available in the BigFix Client Compliance Windows (IPSec Framework):

- **Fixlets:**
 - IPSec - Automatically Quarantine New Clients
 - IPSec - Determine Compliance
 - IPSec - Quarantine Needed
 - IPSec - Quarantine No Longer Needed
- **Task:**
 - IPSec - Quarantine Override
- **Analysis:**
 - IPSec - Compliance Evaluation Information

To access BigFix Client Compliance Windows (IPSec Framework), select **BigFix Management > Manage Sites > External Sites > BigFix Client Compliance (IPSec Framework) > Fixlets and Tasks or Analyses**.



Fixlets

IPSec - Automatically Quarantine New Clients

This Fixlet message ensures that when a new workstation computer or client endpoint first joins the network, it will be quarantined. This Fixlet message should be applied before any other IPSec Fixlet messages. It is recommended that you deploy this as a policy action to ensure that any new computers joining the network will be automatically quarantined until it can be determined that they are compliant.

IPSec - Determine Compliance

This Fixlet message determines if a client computer is compliant with the security standards defined in the compliance document. The Fixlet message will become relevant periodically (the current setting is every 5 minutes). It is recommended that you deploy this Fixlet as a policy action so that the compliance status of computers on the network will be periodically evaluated.

IPSec - Quarantine Needed

If the computer in question is NOT in compliance and is NOT already in quarantine, then this Fixlet message will quarantine the computer, leaving ONLY the communication between the BES client and the BES server open. When you take this action from the BES console, use the options under the Message tab to send a notification message to users. It is recommended that you deploy this Fixlet message as a policy action.

IPSec - Quarantine No Longer Needed

If a client computer is quarantined and it is compliant, then this Fixlet will remove the computer from quarantine. When you take this action from the BES console, use the options under the Message tab to send a notification message to users. It is recommended you deploy this Fixlet message as a policy action.

Task

IPSec - Quarantine Override

This task will take a computer out of quarantine regardless of its compliance status. This is meant to be a temporary measure to release a computer from quarantine. The action will install a compliance document containing one compliance expression that always evaluate to true, causing the client to be compliant. The next part of the action takes the computer out of quarantine. This two-part action ensures that any policy actions already in effect will not return the computer to the quarantined state.

Analysis

IPSec - Compliance Evaluation Information

Retrieves the current compliance and quarantine statuses on computers with the BigFix Client Compliance extension installed.



Note:

1. The "Compliance Status" is calculated based on the results of the last compliance evaluation, while the "Quarantine Status" property is determined by the results of quarantine actions. A computer that is out of quarantine is not necessarily in compliance, and vice versa. If the compliance and quarantine statuses are inconsistent, make sure that you determine compliance and quarantine policy actions are set up correctly.
2. Once a client computer has been quarantined, the BES console administrator should apply any necessary Fixlet messages or custom actions to bring that computer into compliance. At that time, the "IPSec - Quarantine No Longer Needed" Fixlet message will



become relevant, and it can be removed from quarantine. The BES console administrator can automate remediation and removal of computers from quarantine by deploying the appropriate Fixlet messages as policy actions.

3. This Fixlet site is designed to be used in conjunction with the "BigFix Client Compliance Windows (IPSec Framework)" Fixlet site. For more Information on BigFix Client Compliance visit <https://support.bigfix.com/bes/sites/clientcompliance.html>.

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