

HCLSoftware

HCL BigFix Cloud Lifecycle Management

Configuration Guide – Admin Guide

Version 10.9



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Document Revision History

This guide is updated with each release of the product or when necessary.

This table provides the revision history of this Configuration Guide.

Version Date	Description
May, 2020	DRYiCE MyCloud v9.2 Configuration Guide – Admin Module
August, 2020	DRYiCE MyCloud v10.0 Configuration Guide – Admin Module
November, 2020	DRYiCE MyCloud v10.1 Configuration Guide – Admin Module
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February, 2025	HCL_DRYiCE_MyCloud_10.8.2_Configuration_Admin_Guide
July, 2025	HCL_BigFix_CLM_10.9_Configuration_Admin_Guide

1 Preface

This section provides information about the HCL BigFix Cloud Management Lifecycle (CLM) Configuration Guide and includes the following topics.

- [Intended Audience](#)
- [About This Guide](#)
- [Related Documents](#)
- [Conventions](#)

1.1 Intended Audience

This document is intended for IT administrators/ Business Administrators those are responsible for configuring HCL BigFix CLM (Admin Module) and enabling end-users to consume HCL BigFix CLM services.

1.2 About this Guide

This guide provides instructions to configure HCL BigFix CLM. This includes the post-installation and configuration procedures for the product.

- [HCL BigFix CLM Overview](#)
- [HCL BigFix CLM Configuration and Management](#)

1.3 Related Documents

The following documents can be referenced in addition to this guide for further information on HCL BigFix CLM.

- HCL BigFix CLM Introduction Guide
- HCL BigFix CLM Installation Guide
- HCL BigFix CLM User Guide
- HCL BigFix CLM Troubleshooting Guide
- HCL BigFix CLM API Guide
- HCL BigFix CLM V3 API Guide
- HCL BigFix CLM Developer Guide
- HCL BigFix CLM Configuration Guide - Provider Module - Part 1
- HCL BigFix CLM Configuration Guide - Provider Module - Part 2

1.4 Conventions

The following typographic conventions are used in this document:

Table 1 – Conventions

Convention	Element
Boldface	Indicates graphical user interface elements associated with an action, or terms defined in text or the glossary
<u>Underlined blue face</u>	Indicates cross-reference and links

Courier New (Font)	Indicates commands within a paragraph, URLs, code in examples, and paths including onscreen text and text input from users
<i>Italic</i>	Indicates document titles, occasional emphasis, or glossary terms
Numbered lists	Indicates steps in a procedure to be followed in a sequence
Bullested lists	Indicates a list of items that is not necessarily meant to be followed in a sequence

2 HCL BigFix CLM Overview

HCL BigFix CLM is a hybrid cloud management product that empowers organizations to optimally govern, provision, monitor, and manage cloud infrastructure. It combines data exploration and data visualization in an easy-to-use product that enables effective analysis and generates actionable insights for IaaS, PaaS resources and multi-machine blueprints. HCL BigFix CLM's data-driven recommendations and advisories ensure continuous optimization of enterprise cloud environments across areas, including cost, performance, security, and utilization.

2.1 HCL BigFix CLM Features

- **Self Service Catalog based Provisioning and Auto-decommissioning:**
Self Service Catalog based Provisioning & Auto-decommissioning– Provisioning of IaaS, PaaS, and multi-machine blueprints in a multi-cloud environment, through an intuitive self-service catalog and auto-decommissioning post a defined interval to avoid cost leakages.
- **Metering & show back:**
Track utilization of resources across BUs, enabling transparency and visibility
- **Advisory & Recommendation:**
Proactive recommendations around Cost Optimization, Fault Tolerance, Performance and Security
- **Dynamic User interface:**
Flexibility to customize the service request form templates to capture configuration parameters while placing provisioning requests.
- **Dynamic Process Workflows:**
Enables automation of generic & custom tasks like installing agents, machine cloning etc. with support for parallel execution.
- **Script Library:**
Create new or leverage out-of-the-box scripts in process workflows across environments.
- **Role Based Access Control:**
Manage user privileges based on their roles, eligibility, and policies.
- **Policy driven Orchestration:**
Be in control of your cloud orchestration ecosystem aligned to your organizational policies.
- **Rich Integration Ecosystem:**
Enables integration with industry leading third party tools through REST APIs and CLI
- **Enterprise-Grade Security:**
Ensure security of end-to-end cloud management and orchestration ecosystem through various mechanisms

2.2 HCL BigFix CLM Component Overview

HCL BigFix CLM has various service components to cater to respective responsibility. Each component has pre-requisites. Below table lists all the components, their roles and responsibilities and pre-requisites required for each component.

Table 2 – HCL BigFix CLM Component with their roles and responsibilities and pre-requisites

Component Name	Description	Pre-requisites
HCL BigFix CLM Portal	It comprises three sub-components: • Web UI: HCL BigFix CLM Web Portal • HCL BigFix CLM API: Rest API to Interact with HCL BigFix CLM • Key Rotation Service: To rotate the encryption key on a periodic basis. This component requires HCL BigFix CLM database connectivity.	IIS, HCL BigFix CLM Certificate, .Net Framework 4.8
Job Listener	It helps in the execution of HCL BigFix CLM jobs and interacting with different components internally. This is a window service. This component requires the HCL BigFix CLM database connectivity.	HCL BigFix CLM Certificate, .Net Framework 4.8
Sync Service	It is responsible for synchronization of the underlying infrastructure cloud resources. It supports vCenter, AWS, AzureRM, SCVMM 2012, GCP and Cisco Intersight. This is a self-hosted WCF service.	HCL BigFix CLM Certificate, .Net Framework 4.8
Ad Sync Service	It fetches AD group user data. This is a self-hosted WCF service.	HCL BigFix CLM Certificate, .Net Framework 4.8
Workflow Service	It triggers HCL BigFix CLM process workflow and notification service. This is a self-hosted WCF service. It requires HCL BigFix CLM database connectivity.	HCL BigFix CLM Certificate, .Net Framework 4.8, MSMQ/Rabbit MQ
Orchestrator	It helps in provisioning and automating other Tasks. This is a self-hosted WCF service.	HCL BigFix CLM Certificate, .Net Framework 4.8, PowerShell, Python 3.6
ITSM executor	It helps in interacting with ITSM tools. Currently, it only supports ServiceNow and Remedy. It is a self-hosted WCF service and requires HCL BigFix CLM database connectivity.	HCL BigFix CLM Certificate, .Net Framework 4.8
Health Monitor Service	It helps in monitoring the health of HCL BigFix CLM Components. It is a self-hosted WCF Service and requires HCL BigFix CLM database connectivity.	HCL BigFix CLM Certificate, .Net Framework 4.8
Generic Task Executor	It helps with Private Cloud Billing, Data Purging and Cost Models Activation. This is a self-hosted WCF service and requires HCL BigFix CLM database connectivity.	HCL BigFix CLM Certificate, .Net Framework 4.8

Billing Service	It enables Public Cloud Billing. This is a self-hosted WCF service and requires HCL BigFix CLM database connectivity.	HCL BigFix CLM Certificate, .Net Framework 4.8
Performance Service	It is responsible for metering and Public Cloud advisory data collection. This is a self-hosted WCF service.	HCL BigFix CLM Certificate, .Net Framework 4.8
Database	HCL BigFix CLM uses DB to store configuration and transactional data of request.	SQL Server 2016 Standard/Enterprise edition

2.3 HCL BigFix CLM Benefits

- Reduce Costs
 - Higher cost savings through Process standardization & Automation
 - Provide visibility of usage of virtual assets & cost obligations to key custodians
 - Optimize virtual asset utilization to avoid cost leakages.
- Mitigate Risks
 - Improve Performance, Fault Tolerance and Compliance of systems and services through proactive advisories.
 - Transform the process from Human driven to Automation driven and eliminate human error from the equation.
 - Mitigate security related risks based on system driven suggestions.
- Drive Efficiency
 - Reduce VM provisioning cycle by up to 85%.
 - Achieve up to 50% faster deployment of services through automation.

3 HCL BigFix CLM Configuration and Management

HCL BigFix CLM environment is an extensive open distributed system that stores the data and protects the privacy of users. A user's role determines the tasks that the user will be able to perform. Each role is associated with permissions or rules that define the degree to access the features in HCL BigFix CLM.

The following lists five fundamental built-in roles.

Table 3 – Built-in Roles

Section Name	Description
HCL BigFix CLM Admin	HCL BigFix CLM Admin has the right to manage providers, admin level jobs and other component related configurations.
Provider Admin	Provider Admin is a business manager or an IT administrator, responsible for configuring HCL BigFix CLM as per the organization requirements. The primary responsibilities are: • Manages and configures the Organization. • Manages the users and groups (within the Organization) • Manages UI Template • Manages services Catalog • Creates Approval groups and Workflows. • Manage Organization Resources • Manage Domains/AD Users in Organizations • Request status tracking
Organization Admin	Organization Admin has the right to manage the users, roles, and groups assigned to them (organization-specific)
Requester	Requester has the rights to request for Infrastructure resources (IaaS & PaaS services) view or manage reports related to the resources.
Approver	Approver has the right to approve the requests raised by the requesters

3.1 Logging into the System

To log into the system, follow the steps listed below.

1. Firstly, obtain the URL and admin credentials for HCL BigFix CLM. Reach out to the person who has installed HCL BigFix CLM or drop an email to bigfixclm-prodsupport-team@hcl-software.com.
2. Launch the web browser (Chrome or Edge) and use the HCL BigFix CLM URL and Admin credentials to login to the system.
3. Currently HCL BigFix CLM is supporting 5 different languages such as English, Japanese, Portuguese, Deutsche, Francis.
4. Choose language from Language dropdown, default language is English.

Change the password frequently and log out when not using the application.

5. Post entering the **Email ID**, system automatically detects the **Authentication Type**. For admin role Authentication type is Form Based.
6. The following authentication types are available to login:

Table 4 – Authentication Type

Authentication Type	Description
Form Based	It authenticates users through the credentials that are stored in the database
LDAP	It authenticates users to login through Active Directory (AD) credentials
SAML Based Authentication	It authenticates users through third party Identity Access Management (IAM) that supports SAML based authentication.

HCL BigFix CLM admin has the right to change the default username and password.

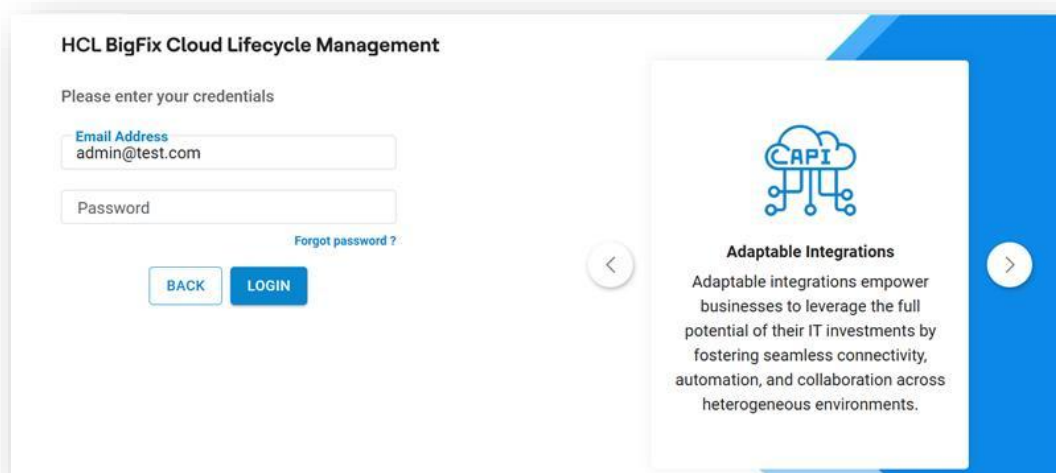


Figure 1 - HCL BigFix CLM Login Page

7. Users will be prompted to add License Key for the first time or in case the existing key is expired.

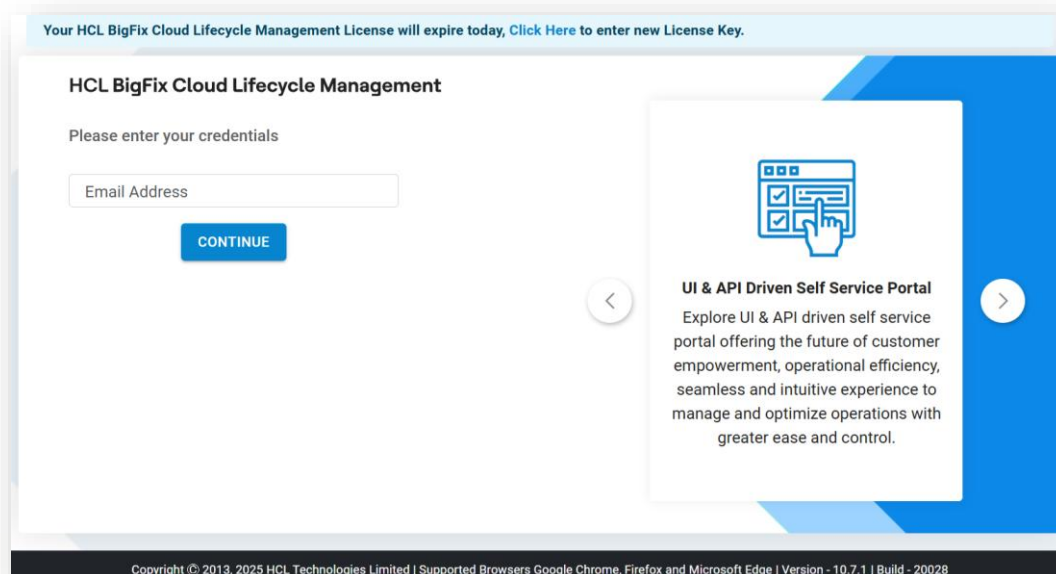


Figure 2 - HCL BigFix CLM Login Page (Cont.)

8. Click on the **(Click Here)** link. The following screen appears.

HCL BigFix Cloud Lifecycle Management

Activation License Details

License Key*

SUBMIT

UI & API Driven Self Service Portal

Explore UI & API driven self service portal offering the future of customer empowerment, operational efficiency, seamless and intuitive experience to manage and optimize operations with greater ease and control.

Figure 3 - License Key Screen

9. Enter the **License Key** to activate HCL BigFix CLM.
10. Click **Submit**.

Contact HCL BigFix CLM Support Team (bigfixclm-prodsupport-team@hcl-software.com) to get the License Key.

11. HCL BigFix CLM User will be redirected to **Login screen**.

HCL BigFix Cloud Lifecycle Management

Please enter your credentials

Email Address
admin@test.com

Password

[Forgot password ?](#)

BACK **LOGIN**

Adaptable Integrations

Adaptable integrations empower businesses to leverage the full potential of their IT investments by fostering seamless connectivity, automation, and collaboration across heterogeneous environments.

Figure 4 - HCL BigFix CLM Login Page

12. Enter the **Password** to proceed further.

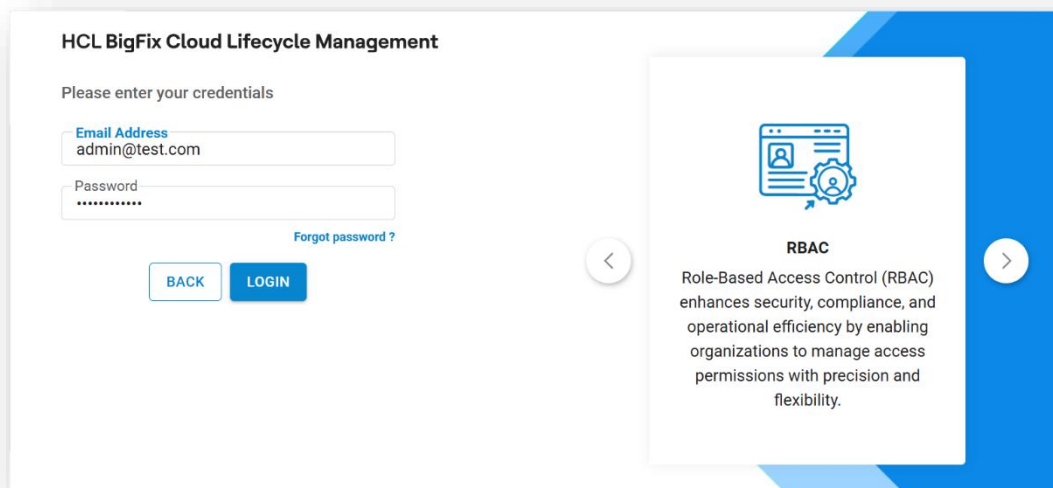


Figure 5 - HCL BigFix CLM Login Page

13. Click **Login**. The HCL BigFix CLM homepage appears as below.

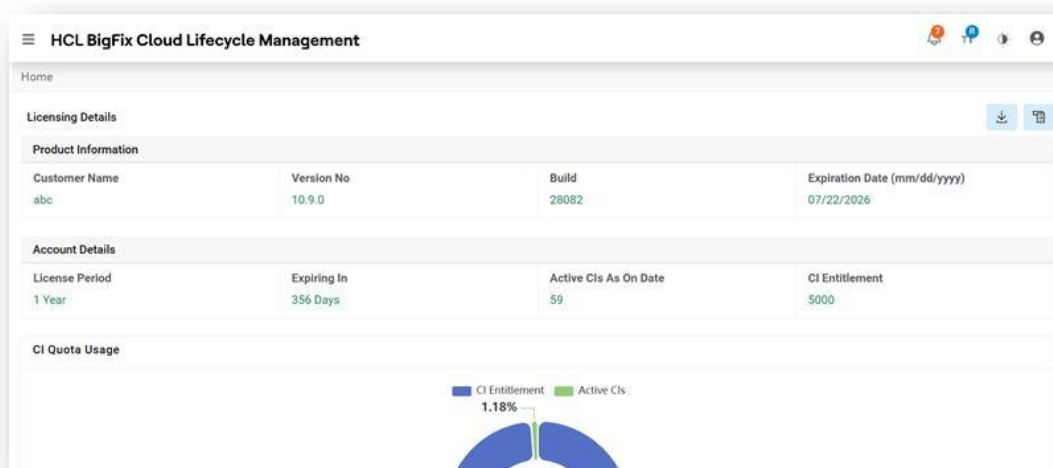


Figure 6 - HCL BigFix CLM Home Page

The Home Page contains the Licensing Details. HCL BigFix CLM licensing should be enhanced to capture the number of CI supported. i.e. License key will have details of the number of CI to be supported by HCL BigFix CLM.

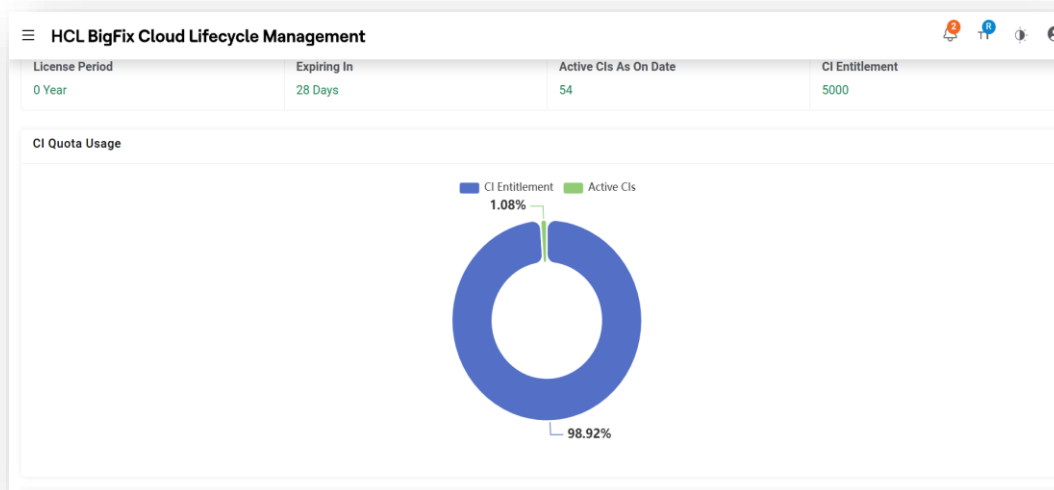


Figure 7 - License Report

Refer to the table below to understand the fields mentioned in the above figure and fill in the details:

Table 5 – License Report

Section	Description
Product Information	This section will contain customer Name, Version No of HCL BigFix CLM Product, Build no deployed-on server and expiration date.
CI Quota Usage	Cis entitled in license and active Cis
Account Details	This section will contain number representation of License periods, Entitled Cis, license expiring in days and active cis as on date.

- The CI Consumption Report Provides the details of active CIs data and trending charts of selected period (Default last 10 months' data will show).
- Users should be able to export the All-CI Report in CSV format by clicking on  icon.

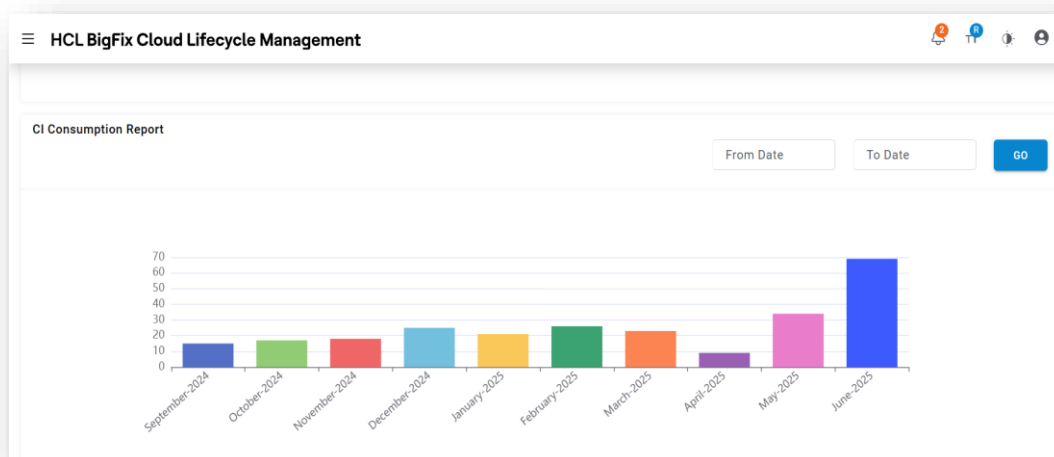


Figure 8 - CI Consumption Report

- Admin can update the License Details by clicking on  icon. On clicking this icon, the user is redirected to the License Key update screen. Refer to the steps [9](#) to 11 for details.

3.2 Change Password

In this section, HCL BigFix CLM Admin can change password from the Top of the HCL BigFix CLM screen.

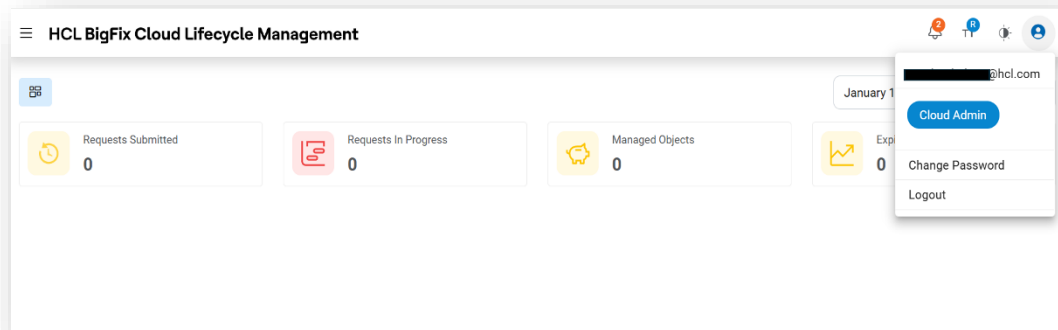


Figure 9 - Change Password

1. Click on Change Password.
2. User will be redirected to **Change password** screen.

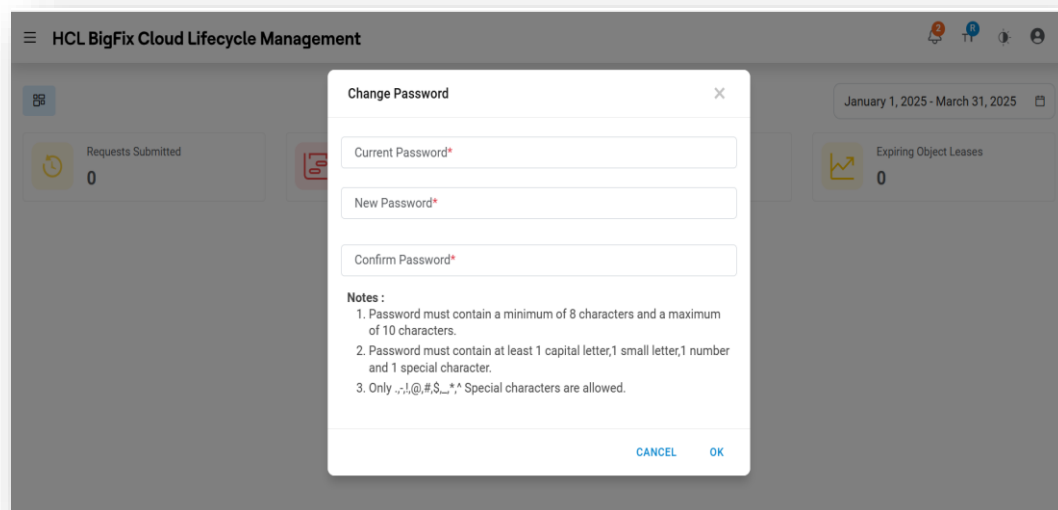


Figure 10 - Change Password

3. Enter the Current Password and New Password.
4. Enter Confirm Password.
5. Click **OK**.
6. A Success Message appears.

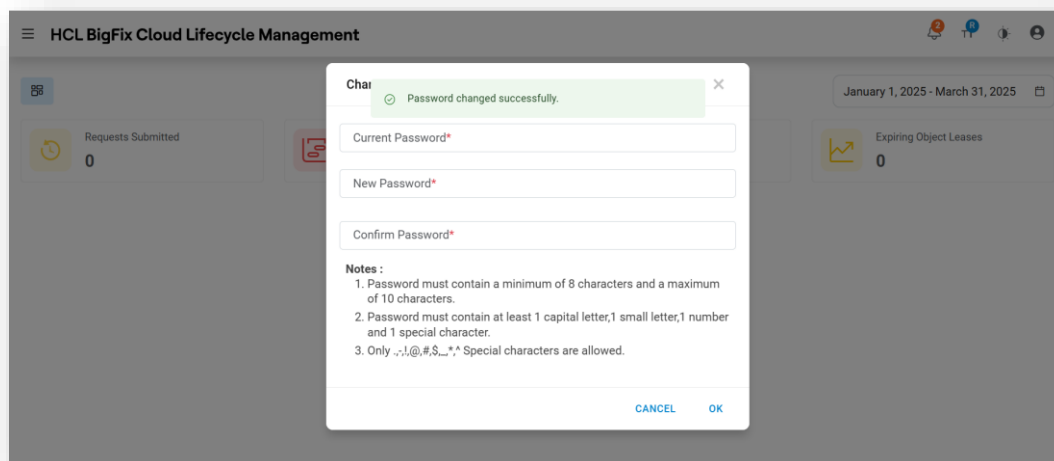


Figure 11 - Success Message

3.3 HCL BigFix CLM Admin Module

Through this module, the admin configures and sets up HCL BigFix CLM. HCL BigFix CLM Admin module has the following sections:

- Administration
- Configuration
- Notifications

Table 6 – HCL BigFix CLM Admin Module

Field Name	Description
Administration	In this section, the admin manages Components keys, URL Management, Logs, Admin User, Provider User and Job Monitoring etc.
Configuration	In this section, the admin manages Object Types and SMTP.
Notifications	Admin users can view Job Notifications. This section will notify the provider about the status of Jobs configured for the provider.

3.3.1 Provider

In HCL BigFix CLM, **Provider** is a concept to dissociate among various organizations/ companies/ Business Units/ groups while using common infrastructure resources.

Provider User is an administrator/ business manager or IT administrator who is responsible for configuring HCL BigFix CLM. Provider owns the underlying infrastructure resources, Organization, UI Templates, and Process Templates. Provider User also enables the end-users to define their request workflows.

To create and manage Provider(s) and Provider User(s), HCL BigFix CLM Admin needs to follow the steps below:

1. On the side menu bar, click **Administration** than **Provider**.
2. In this section, HCL BigFix CLM Admin creates and manages Cloud service providers through following options:
 - Add Provider

- View Provider

3.3.1.1 Add Provider

To add a provider, follow the steps below:

1. Click on + **PROVIDER**.

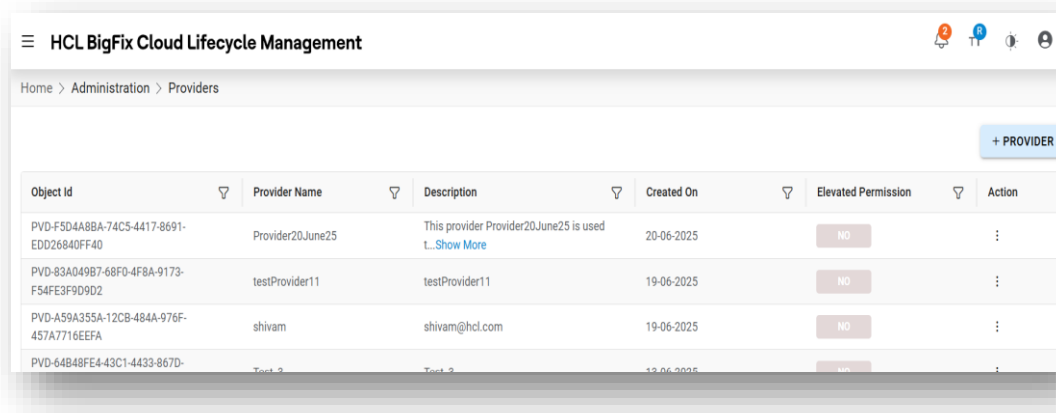


Figure 12 – Add Provider

2. The following form opens:

The screenshot shows the 'Add Provider' form. It has two main sections: 'Basic Information' and 'Branding Information'. The 'Basic Information' section includes fields for 'Provider Name*', 'Description*', 'Support Email (Bco) ⓘ', and a checkbox for 'Elevated Permission ⓘ'. The 'Branding Information' section includes a checkbox for 'SVG Image', a 'BANNER' placeholder, and buttons for 'UPLOAD LIGHT THEME IMAGE' and 'UPLOAD DARK THEME IMAGE'. At the bottom right, there are 'CANCEL' and 'ADD' buttons.

Figure 13 - Add Provider

The screenshot shows the 'Add Provider' form, specifically the 'Applicable Cloud Platforms' section. It includes a list of cloud platforms with checkboxes: Amazon Web Services, Microsoft Azure, Google Cloud Platform, Compute On Demand-VCenter, Red Hat OpenShift, Hyper-V 12,16,19, Cisco Intersight, Multi-HyperVisor, and Generic Endpoint. Below this, there's an 'Authentication Type' section with a dropdown menu set to 'Form Based'. At the bottom right, there are 'CANCEL' and 'ADD' buttons.

Figure 14 - Add Provider (Cont.)

3. Fill in the details listed in the following table:

Table 7 – Provider Details

Field Name	Description
Provider Name	Provide the Provider Name .
Description	Describe the provider and list out the services that are being consumed
Support Email (BCC)	- Email values should be a comma (,) separated value in Support Email. - Recipient(s) in BCC will receive all email notifications generated from HCL BigFix CLM application.
SVG Image	Admin can select this option to apply customer specific branding for dark and light theme.
Banner Image	Admin User can change the appearance of the HCL BigFix CLM Web/Reports to meet Customer-specific branding by changing the logo for dark and light theme.
Elevated Permission	- There was no restriction on role wise creating provider (Tenant)/Users/Organization. To overcome this problem HCL BigFix CLM introduced a new elevated(privilege) role to a provider. - With elevated permission, users can create Provider (On Board Tenant), Provider User and Organization using API/Out of box workflow task.
Applicable Cloud Platforms	Select the check boxes for cloud platforms that are applicable
Authentication Type	The authentication types are Form-based, LDAP and, SAML. In the case of SAML, HCL BigFix CLM supports windows Hello mechanism. Windows Hello is a more personal and secure way to sign in to your Windows device. Instead of using a password, with Windows Hello you can sign in using facial recognition, fingerprint, or a PIN. These options help make it easier and safer to sign into your account because your PIN is only associated with one device, and it's backed up for recovery with your Microsoft account.

- There can be only one elevated provider in the system.
- A default service account user will be created with provider. This default user will be enabled for the authentication of the workflow task for tenant onboarding.

3.3.1.1.1 Configure Domains

1. To Configure domains for LDAP authentication, select authentication type is LDAP. The following section will appear.

Add Provider

Authentication Type

Please select the authentication type for this provider. Supported Types: LDAP, SAML, and Form-Based.

LDAP: Lightweight Directory Access Protocol Authentication involves querying a directory service such as Active Directory (AD) or OpenLDAP, which stores user credentials and other directory information.

SAML: Security Assertion Markup Language is an XML-based open standard for exchanging authentication and authorization data between parties, specifically between an identity provider (IdP) and a service provider (SP).

Form Based: Form-based authentication is a method used by web applications to authenticate users via HTML forms. Here the credentials will be stored in HCL BigFix Cloud Lifecycle Management Db.

Authentication Type: **LDAP**

LDAP

Domain Display Name*

Active Directory URL* (i) LDAP://

Domain User Name* (i)

Domain Password*

CHECK CONNECTIVITY

CANCEL **ADD**

Figure 15 - LDAP

Table 8 – Domain Attributes

Field	Description
Domain Display Name	Name of the domain
Active Directory URL	It is a string that is used to encapsulate the address and port of a directory server.
Domain Username	It is used to specify a user account in the selected domain.
Domain Password	It is used to authenticate the username in the domain.

3.3.1.1.2 Configure SAML2.0

- To Configure SAML Authentication select authentication type is “SAML2.0” following section will appear.

Add Provider

Authentication Type

Please select the authentication type for this provider. Supported Types: LDAP, SAML, and Form-Based.

LDAP: Lightweight Directory Access Protocol Authentication involves querying a directory service such as Active Directory (AD) or OpenLDAP, which stores user credentials and other directory information.

SAML: Security Assertion Markup Language is an XML-based open standard for exchanging authentication and authorization data between parties, specifically between an identity provider (IdP) and a service provider (SP).

Form Based: Form-based authentication is a method used by web applications to authenticate users via HTML forms. Here the credentials will be stored in HCL BigFix Cloud Lifecycle Management Db.

Authentication Type: **SAML 2.0**

SAML

Id* (i)

Name ID* (i)

Logout URL*

IdP SSO URL* (i)

SSO Tool* undefined

Figure 16 - SAML2.0 Details

- Define SAML2.0 attributes as described in the table below:

Table 9 – SAML2.0 Attributes

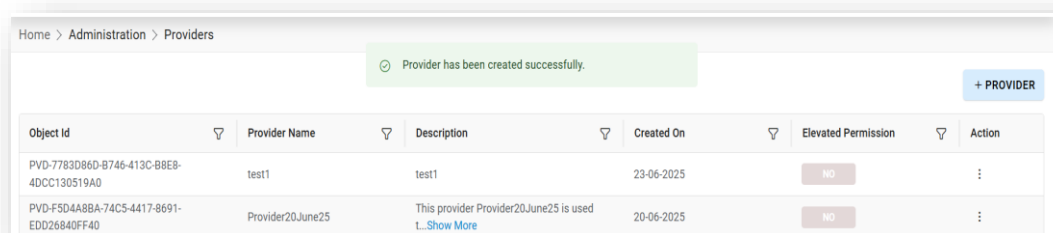
Field	Description
-------	-------------

Id	Identity Provider might need this to establish the identity of the service provider requesting login. Basically, it is used for handshaking of the application. Example: HCL BIGFIX CLMDEV.
idpSSO URL	Identity Provider Single Sign-on URL, where our website redirect for Authentication. Example: https://XXX.COM/SAAS/auth/federation/sso.
Name ID	NAMEID is the complete path of xmlnode where NameID value (USERNAME/EMAIL) exist. It based on identity provider. Example: VMWAR Identity Manager: /samlp:Response/saml:Assertion/saml:Subject/saml:NameID ADFS : saml2:NameID.
SSO Tool	Allowed values are ADFS, IDM, PINGFEDERATE, PINGIDENTITY
Logout URL	Logout URL where application will take user after logout the application.

3. Click Add to add a provider or click Cancel to stop the action.

These details are required as a record against the provider in the application. All the fields marked with asterisk (*) are mandatory.

4. A success message appears.



Home > Administration > Providers

Provider has been created successfully.

+ PROVIDER

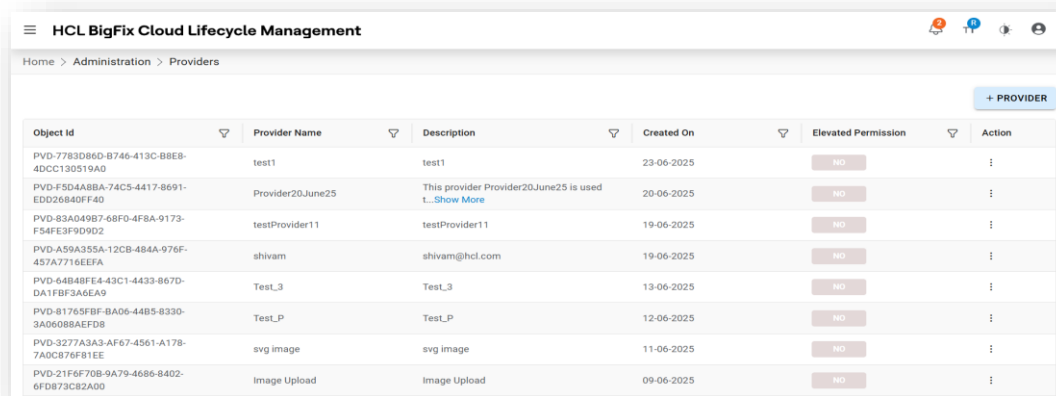
Object Id	Provider Name	Description	Created On	Elevated Permission	Action
PVD-7783D86D-B746-413C-B8E8-4DCC130519A0	test1	test1	23-06-2025	NO	⋮
PVD-F5D4A8BA-74C5-4417-8691-EDD26840FF40	Provider20.June25	This provider Provider20.June25 is used Show More	20-06-2025	NO	⋮

Figure 17 - Add Provider (Cont.)

A new provider has been created, and it appears in the **View Provider** as shown in the figure.

3.3.1.2 View Provider

1. This section lists out all the providers that have been created by HCL BigFix CLM Admin.



The screenshot shows the 'HCL BigFix Cloud Lifecycle Management' interface. The breadcrumb navigation is 'Home > Administration > Providers'. There is a '+ PROVIDER' button in the top right. The table below lists various providers with columns for Object ID, Provider Name, Description, Created On, Elevated Permission, and Action.

Object ID	Provider Name	Description	Created On	Elevated Permission	Action
PVD-7783D86D-B746-413C-B8E8-4DCC130519A0	test1	test1	23-06-2025	NO	:
PVD-F5D4A8BA-74C5-4417-8691-EDD26840FF40	Provider20June25	This provider Provider20June25 is used t...Show More	20-06-2025	NO	:
PVD-83A049B7-68F0-4F8A-9173-F54FE3F9D9D2	testProvider11	testProvider11	19-06-2025	NO	:
PVD-A59A355A-12CB-484A-976F-457A7716EEFA	shivam	shivam@hcl.com	19-06-2025	NO	:
PVD-64B48FE4-43C1-4433-867D-DA1FBF3A6EA9	Test_L3	Test_L3	13-06-2025	NO	:
PVD-81765FBF-BA06-44B5-8330-3A06088AEFD8	Test_P	Test_P	12-06-2025	NO	:
PVD-3277A3A3-AF67-4561-A178-7A0C876F81EE	svg image	svg image	11-06-2025	NO	:
PVD-21F6F70B-9A79-4686-8402-6FD873C82A00	Image Upload	Image Upload	09-06-2025	NO	:

Figure 18 - View Provider

2. Refer to the table below to understand the fields mentioned in the figure above:

Table 10 – View Provider

Field Name	Description
Object ID	These are alpha numeric IDs that are unique, and are created by HCL BigFix CLM engine
Provider Name	Highlights the name of the Provider
Description	Displays the service provider and lists out the services that are being consumed
Created On	Displays the date as when the Provider has been created
Action	Cloud Admin to take actions like Edit, View and Delete, Configure Menu and widgets against the listed Providers

It also comprises of the following actions:

- Edit: To modify the details of existing providers.
- Delete: To delete the providers.
- Configure Menu: To configure menu for providers.
- Configure Widgets: To configure widgets for providers.

3.3.1.3 Edit Provider

1. To edit/modify details of an existing provider, follow the steps below:
2. On the **View Provider**, click **Edit** against the provider that the admin wants to edit.

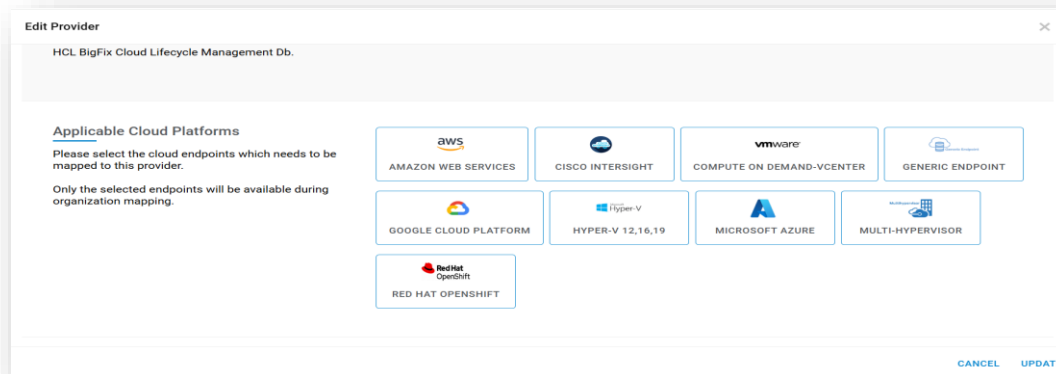


Figure 22 - Edit Provider (Cont.)

- On clicking **Update**, a success message appears.

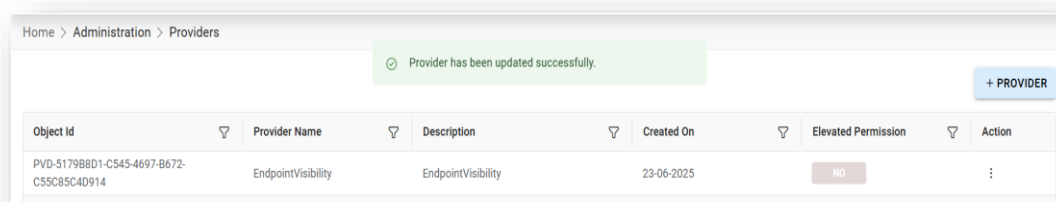


Figure 23 - Edit Provider (Cont.)

3.3.1.4 Delete Provider

To delete a provider in HCL BigFix CLM, follow the following steps:

- On the **View Provider**, select the provider that needs to be deleted and click **Delete**.

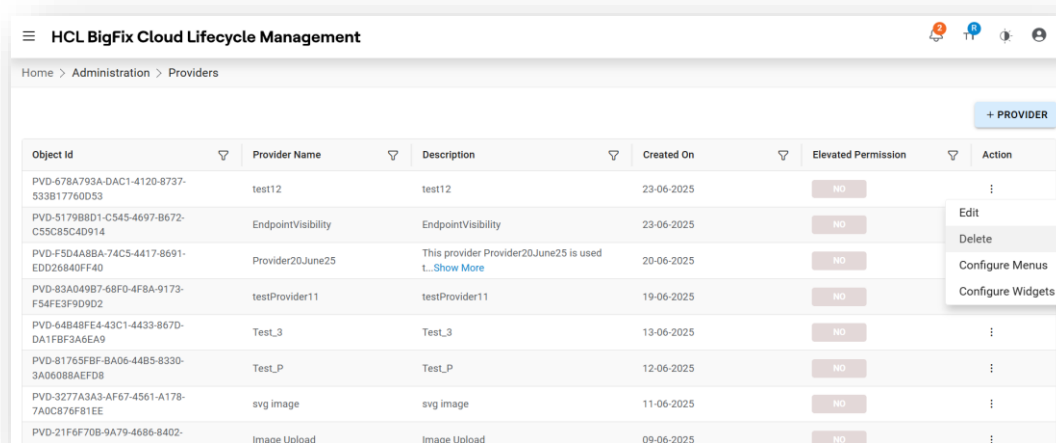


Figure 24 - Delete Provider

- When prompted to confirm that you want to delete the provider, click **Ok**.

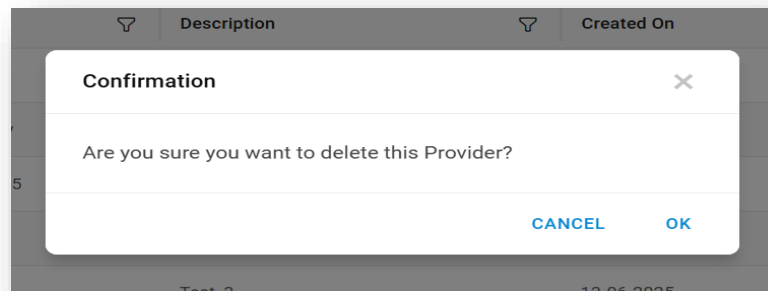


Figure 25 - Delete Provider (Cont.)

3. A success message appears.

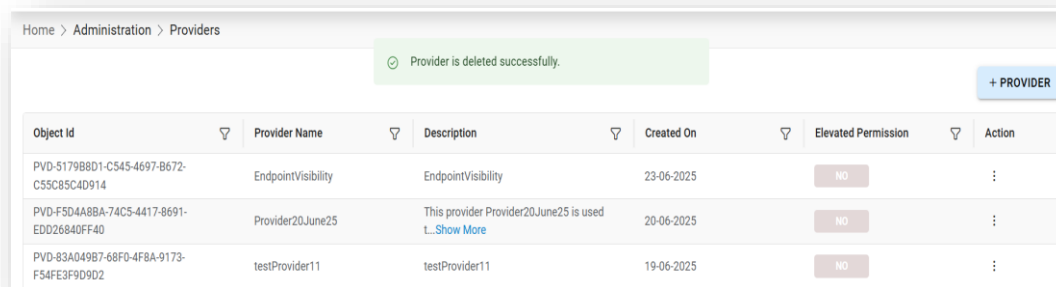


Figure 26 - Confirmation Message

3.3.1.5 Configure Menu for Provider

To add/update the menu and submenu for the provider, follow the steps below:

1. On the **View Provider**, click **Configure Menus** correcting to the provider that admin wants to configure.

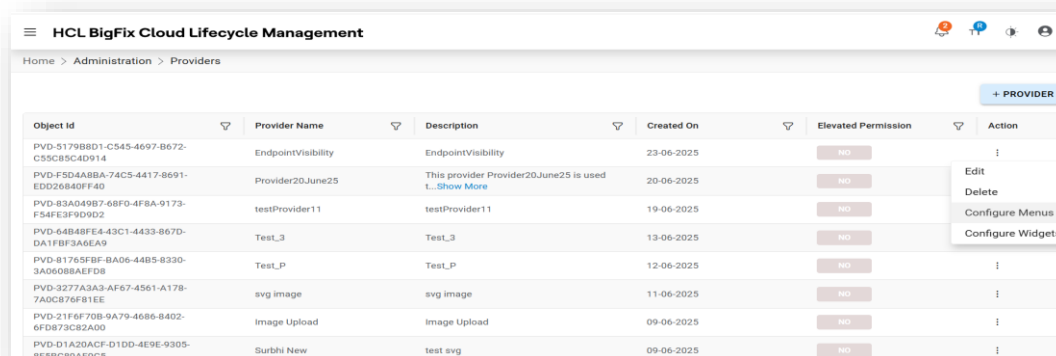


Figure 27 - View Provider

2. Click on Configure Menus.
3. Check/Uncheck the menu items and click **Add**.

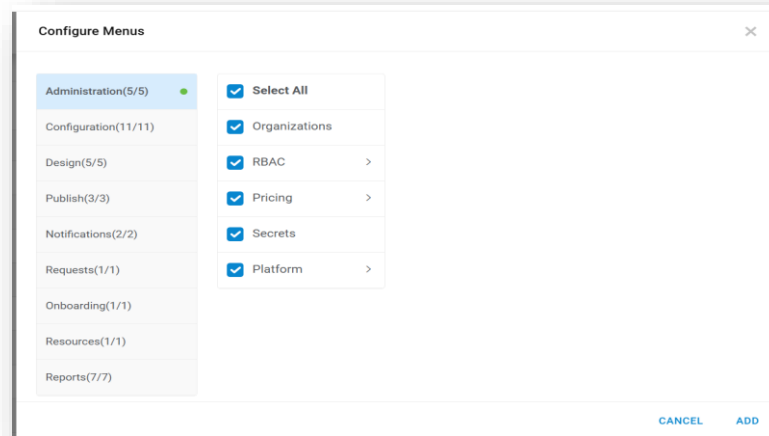


Figure 28 - Configure Menu for Provider (Cont.)

4. A success message appears.

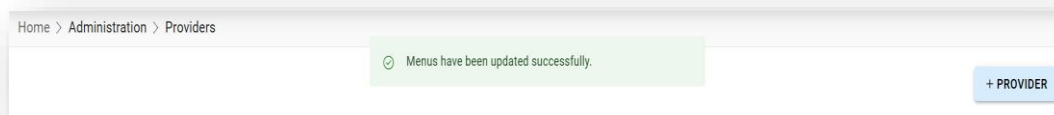


Figure 29 - Configure Menu for Provider (Cont.)

3.3.1.6 Configure Widgets

To add/update the widgets for the provider, follow the steps below:

1. On the **View Provider**, click **Configure Widgets** against the provider for organization that admin wants to configure.

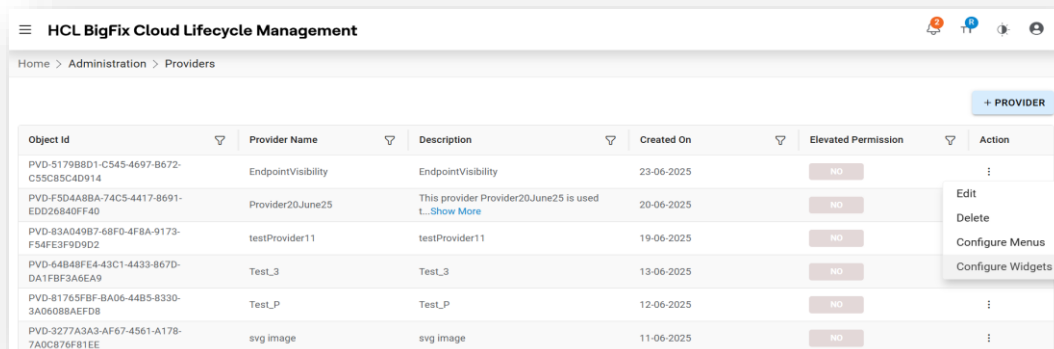


Figure 30 - Configure Widgets for Provider

2. Click on Configure Widgets.
3. Check/Uncheck the Menu items and click **Add**.

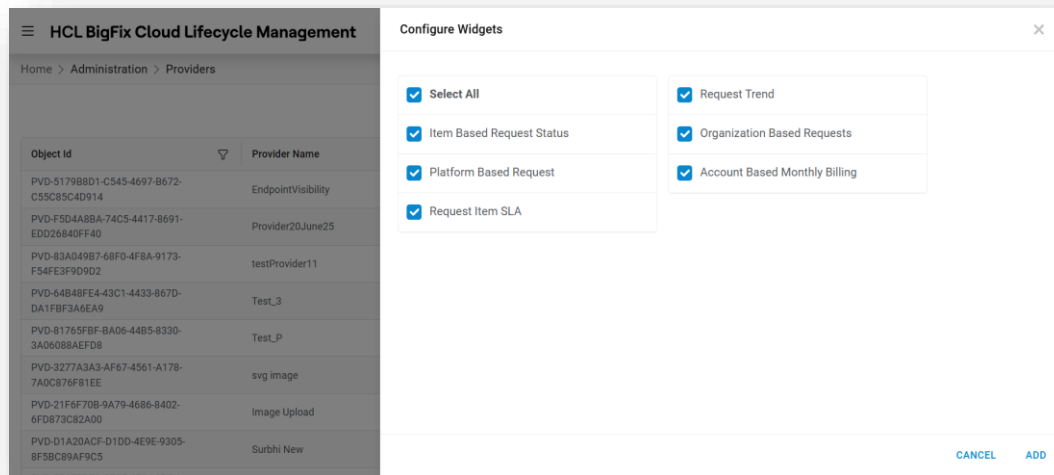


Figure 31 - Configure Widgets for Provider

3.3.2 Platform

In this module, Admin configures HCL BigFix CLM components, various jobs, objects, changing key values and many more activities.

This section details the steps that are required to create and configure the platform data.

1. On the side menu bar, click Platform.
2. The following options are displayed:
 - URL Management
 - DB Management
 - Component Keys
 - Job Monitoring
 - License
 - Logs

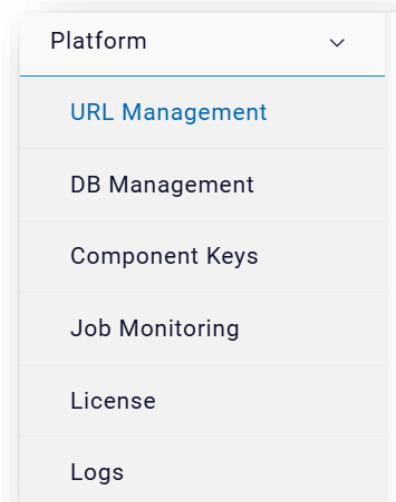


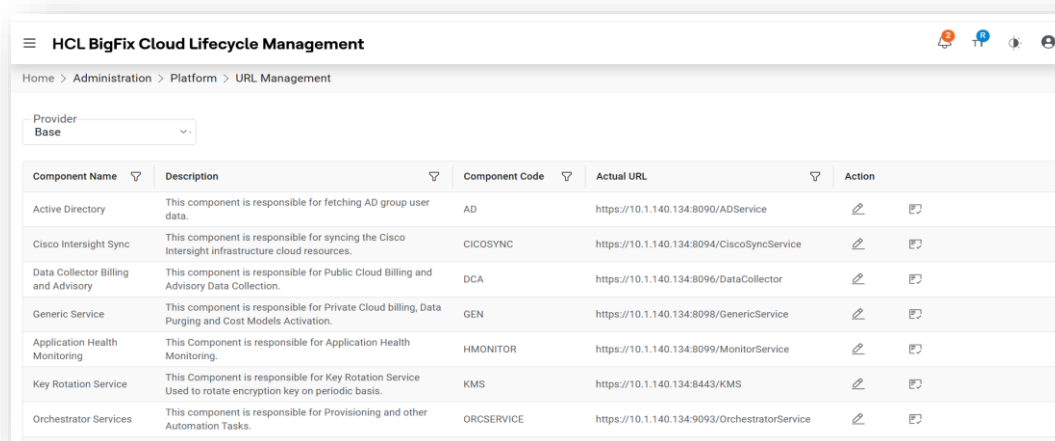
Figure 32 - Platform Menu Options

3.3.2.1 URL Management

URL Management is the HCL BigFix CLM component service endpoint that gets configured during the installation process. Post-installation if a component is running in HA mode, the admin user needs to configure URL of that component by using this Module.

To change the configuration of HCL BigFix CLM components, follow the steps below:

1. Under the Platform tab, click URL Management.



Component Name	Description	Component Code	Actual URL	Action
Active Directory	This component is responsible for fetching AD group user data.	AD	https://10.1.140.134:8090/ADService	 
Cisco Intersight Sync	This component is responsible for syncing the Cisco Intersight infrastructure cloud resources.	CICOSYNC	https://10.1.140.134:8094/CiscoSyncService	 
Data Collector Billing and Advisory	This component is responsible for Public Cloud Billing and Advisory Data Collection.	DCA	https://10.1.140.134:8096/DataCollector	 
Generic Service	This component is responsible for Private Cloud billing, Data Purging and Cost Models Activation.	GEN	https://10.1.140.134:8098/GenericService	 
Application Health Monitoring	This Component is responsible for Application Health Monitoring.	HMONITOR	https://10.1.140.134:8099/MonitorService	 
Key Rotation Service	This Component is responsible for Key Rotation Service Used to rotate encryption key on periodic basis.	KMS	https://10.1.140.134:8443/KMS	 
Orchestrator Services	This component is responsible for Provisioning and other Automation Tasks.	ORCSERVICE	https://10.1.140.134:9093/OrchestratorService	 

Figure 33 - URL Management

Refer to the table below to understand the fields mentioned in the above figure:

Table 11 – URL Management

Field	Description
Component Name	Name of HCL BigFix CLM components like Workflow and ITSM and many more
Description	Description of the component and its function
Component Code	Every HCL BigFix CLM component do have a code which needs to get mentioned in this field
URL	URL is composed of IP address of the component, Port and Endpoint Name (IP: Port/Endpoint)
Action	This field will help the Provider user to test the URL and highlight the outcome as "Success" or "Failure"

2. Select the Provider.
3. Click on edit and Change the URL under the URL Head column.
4. Click **Test URL**.
5. A success message will be shown in the Action Head column on the screen.

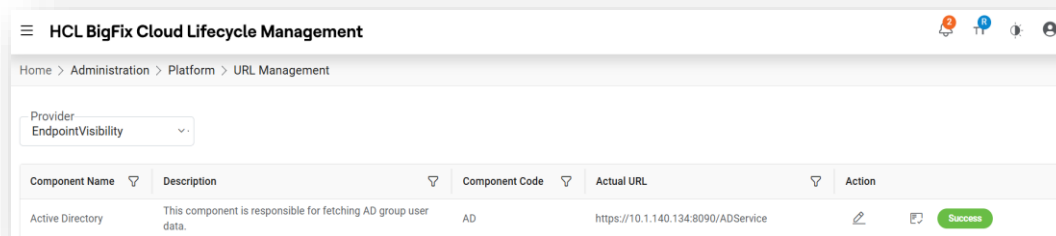


Figure 34 - URL Management

- If the component is up and running, then the **Success** label appears below the **Test URL** button under **Action** column.

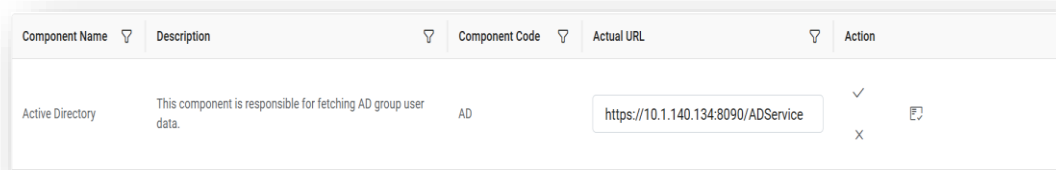


Figure 35 - URL Management

3.3.2.2 Components Keys

Through this module, Admin manages the values of component keys as per the Providers in HCL BigFix CLM (e.g., messaging queue). In the case of multi-tenant, different keys (MSMQ/ RabbitMQ) are used by different providers.

To change/ modify the **Configuration Key Values** of HCL BigFix CLM components against a provider, follow the below steps:

- Select the Provider and Component Name.

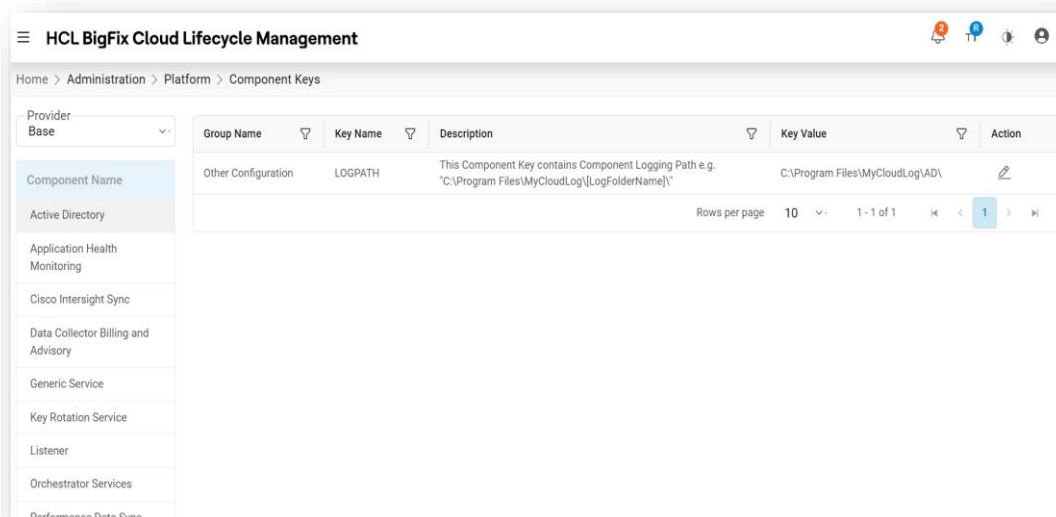


Figure 36 - Components keys (Cont.)

- Under **Action** column, click **Edit** () and change the value as per desired configuration.

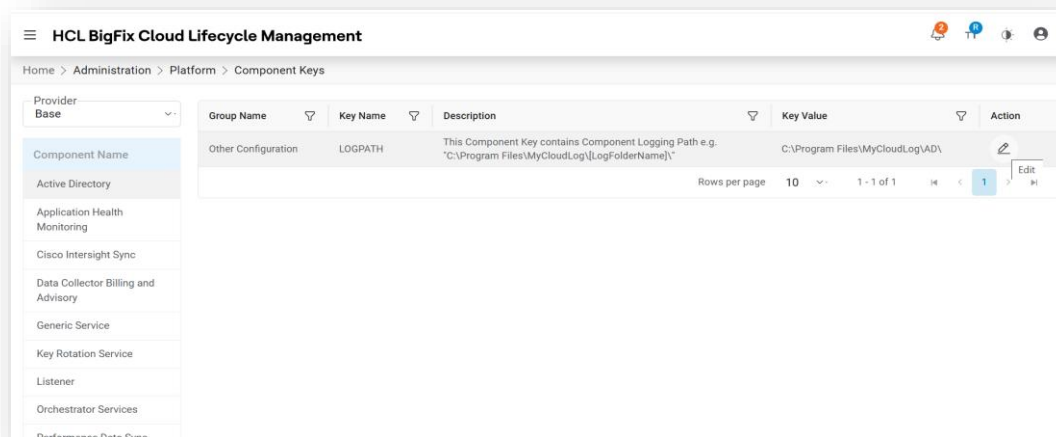


Figure 37 - Components keys (Cont.)

Refer to the table below to understand the fields mentioned in the above figure:

Table 12 – Components Keys

Field	Description
Provider	Highlights the provider
Component Name	Name of HCL BigFix CLM components like AD, Orchestrator, and many more
Key Name	Name of Component key
Key Value	Default value of component key
Action	Actions like Edit against the listed component keys

3. Modify the value against the key and click **Save**. If a user wishes to discard changes, click **Cancel**.

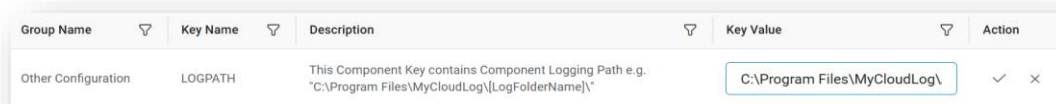


Figure 38 - Components keys (Cont.)

4. On clicking **Save**, a success message appears.

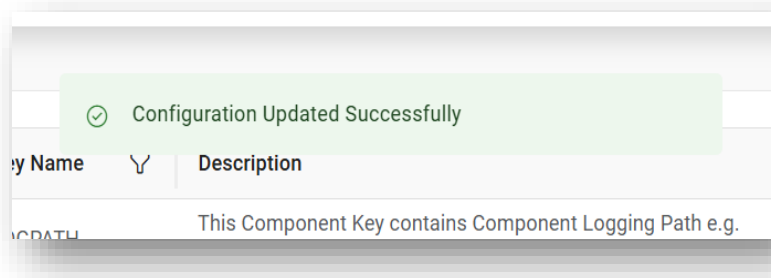


Figure 39 - Components keys (Cont.)

All fields marked with asterisk (*) are mandatory.

3.3.2.3 Job Monitoring

This section discusses multiple actions that an HCL BigFix CLM Admin or Provider User can perform:

- View History of Jobs
- Job Parameters
- Scheduling
- Reinitiate Jobs

To manage jobs, Admin needs to follow the following steps:

1. Click on Administration, then Platform, then Job Monitoring.

Job ID	Platform	Component	Job Name	Job Description	Provisioning Endpoint	Organization Name	Actions
215	NA	Generic Service (GEN)	Rotate Encryption Key Job	Job is used to define New Rotate Encryption Key.	NA	NA	:
218	NA	Generic Service (GEN)	Billing Cost Model Version	Job is used to Activate Cost Model Version for Billing	NA	NA	:
219	NA	Generic Service (GEN)	Purge Execution Logs	Job is used to purge Execution Logs	NA	NA	:
220	NA	Generic Service (GEN)	Cloud Platform Billing Master Data	Job is used to sync request details and billing configuration data for all cloud platform into Billing Database.	NA	NA	:
221	NA	Generic Service (GEN)	ASPState Delete Expired Sessions	Job is used to Delete Expired Sessions	NA	NA	:
222	NA	Generic Service (GEN)	Automated Marked Timeout Job	Job is used to mark timeout status to long running and	NA	NA	:

Figure 40 - Job Monitoring Home Page

Refer to the table below to understand the fields mentioned in the above figure:

Table 13 – Job Monitoring

Field	Description
Job ID	Unique ID of the job
Platform	Applicable Cloud Platform
Component	Lists all the components of HCL BigFix CLM
Job Name	Name the job
Job Description	Displays the job description
Provisioning Endpoint	Displays the name of the environment (cloud endpoint)
Organization Name	Displays the name of organization
Action	Lists the action that are performed for respective jobs. e.g., History, Reinitiate, Job Parameter and Scheduling.

2. Select Filters and Component.

- Jobs are displayed in a tabular form as shown in Job Monitoring à Home Page.

Reinitiate Job

To **Restart** a job, Admin user needs to check the box adjacent to the job.

- Click on Actions and select Reinitiate Job.

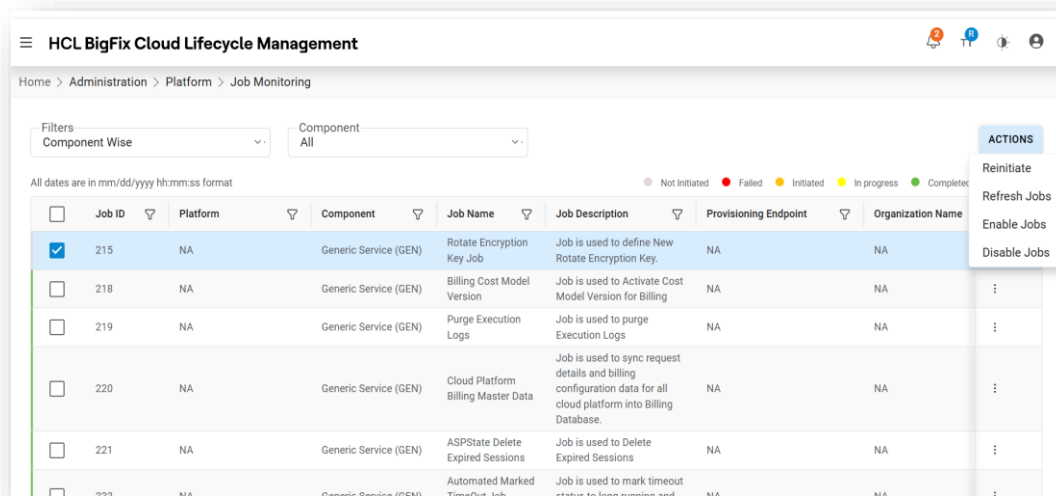


Figure 41 – Reinitiate Job

- A Confirmation message appears as below.

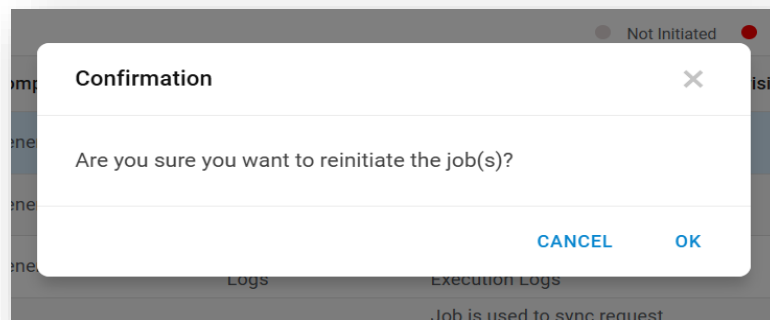


Figure 42 - Job Reinitiate Confirmation Message

- Click **Ok**.

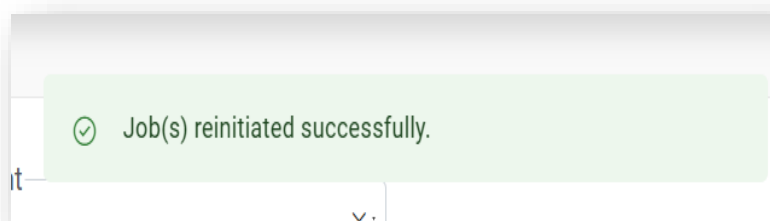


Figure 43 - Reinitiate Job Success Message

- Finally, the **Status** becomes **Reinitiate** and the color changes to blue.

All dates are in mm/dd/yyyy hh:mm:ss format

Not Initiated Failed Initiated In progress Completed Reinitiated

☐	Job ID	Platform	Component	Job Name	Job Description	Provisioning Endpoint	Organization Name	Actions
☐	215	NA	Generic Service (GEN)	Rotate Encryption Key Job	Job is used to define New Rotate Encryption Key.	NA	NA	:
☐	218	NA	Generic Service (GEN)	Billing Cost Model Version	Job is used to Activate Cost Model Version for Billing	NA	NA	:

Figure 44 - Reinitiate Job Status

Refresh Jobs

To check the status of the job, click the **Actions** and select **Refresh**.

HCL BigFix Cloud Lifecycle Management

Home > Administration > Platform > Job Monitoring

Filters: Component Wise Component: All

All dates are in mm/dd/yyyy hh:mm:ss format

Not Initiated Failed Initiated In progress Completed

☐	Job ID	Provisioning Endpoint	Organization Name	Active	Status	Last Success Run Date	Next Run Date	Actions
☐	215		NA	Yes	Not Initiated			Reinitiate Refresh Jobs Enable Jobs Disable Jobs
☐	218		NA	Yes	Completed	06/23/2025 06:06:58	06/24/2025 06:06:58	
☐	219		NA	Yes	Completed	06/24/2025 03:05:36	06/25/2025 03:05:36	

Figure 45 - Refresh Job Status

Enable Jobs

To enable a job, Admin users need to check the box adjacent to the job.

- Click the **Actions** and select **Enable Jobs**. To check if the job is enabled, the status of **Active** column should be "Yes"

All dates are in mm/dd/yyyy hh:mm:ss format

Not Initiated Failed Initiated In progress Completed Reinitiated

☐	Job ID	Provisioning Endpoint	Organization Name	Active	Status	Last Success Run Date	Next Run Date	Actions
☐	215		NA	Yes	Not Initiated			:
☐	218		NA	Yes	Completed	06/23/2025 06:06:58	06/24/2025 06:06:58	:
☐	219		NA	Yes	Completed	06/24/2025 03:05:36	06/25/2025 03:05:36	:

Figure 46 - Enable Job Status

Disable Jobs

To disable/deactivate any job, Admin users need to check the box adjacent to the job.

- Click the **Actions** and select **Disable Jobs**. To check if job is disabled, the status of **Active** column should be "No".

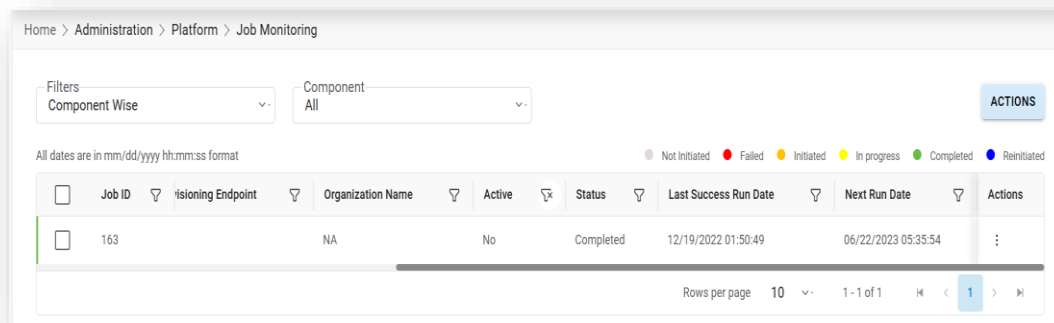


Figure 47 - Disable Job Status

3.3.2.3.1 Manage Job Actions

HCL BigFix CLM allows an Admin to perform multiple actions against a job:

The following actions can be performed by clicking on **the Action** icon.

- [View Job History](#)
- [Reinitiate Job](#)
- [Modify Job Parameters](#)
- [Scheduling](#)

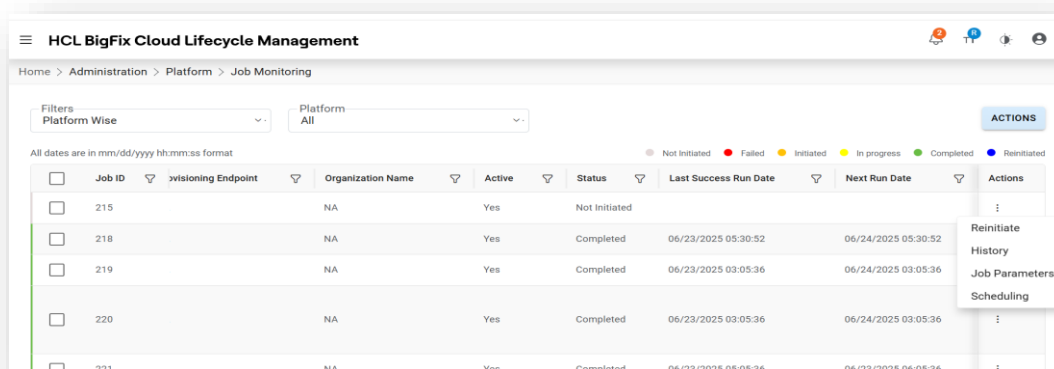


Figure 48 - Actions

3.3.2.3.1.1 View History

To view the history of a job, a user needs to follow the following steps:

1. Click **History** under the **Action** tab.

Home > Administration > Platform > Job Monitoring

Filters: Platform Wise (dropdown), Platform: All (dropdown)

Actions button

All dates are in mm/dd/yyyy hh:mm:ss format

Legend: Not Initiated (grey), Failed (red), Initiated (yellow), In progress (orange), Completed (green), Reinitiated (blue)

Job ID	Visioning Endpoint	Organization Name	Active	Status	Last Success Run Date	Next Run Date	Actions
215		NA	Yes	Not Initiated			⋮
218		NA	Yes	Completed	06/23/2025 05:30:52	06/24/2025 05:30:52	⋮ Reinitiate History Job Parameters Scheduling
219		NA	Yes	Completed	06/23/2025 03:05:36	06/24/2025 03:05:36	⋮
220		NA	Yes	Completed	06/23/2025 03:05:36	06/24/2025 03:05:36	⋮
221		NA	Yes	Completed	06/23/2025 05:05:36	06/23/2025 06:05:36	⋮

Figure 49 - Job History

2. Logs are displayed in a tabular form.

Job ID: 218

Job Name	Description	Last Success Run Date	Next Run Date
Billing Cost Model Version	Job is used to Activate Cost Model Version for Billing	06/23/2025 05:30:52	06/23/2025 06:06:58

HISTORY

Date Range: 06/23/2025 12:07 - 06/23/2025 18:07

Status: All

FILTER

Request ID	Step State	Execution Date	Actions
E644850C-460A-4112-90C2-9F2727A6D00B	Completed	6/23/2025 5:31:00 PM	Step Query
0CF80CB5-471E-4031-85DD-533E03D70BAA	Completed	6/23/2025 5:26:00 PM	Step Query
FD30C65F-B5DF-4D7A-B85D-EF3806C87592	Completed	6/23/2025 3:05:00 PM	Step Query

Rows per page: 10 | 1 - 3 of 3 | 1

Figure 50 - Job History

User filters the Logs as required by using the Filter option.

3.3.2.3.1.2 Reinitiate Job

To reinitiate a job the user needs to follow the following steps:

1. Click **Reinitiate** under the **Action** tab.

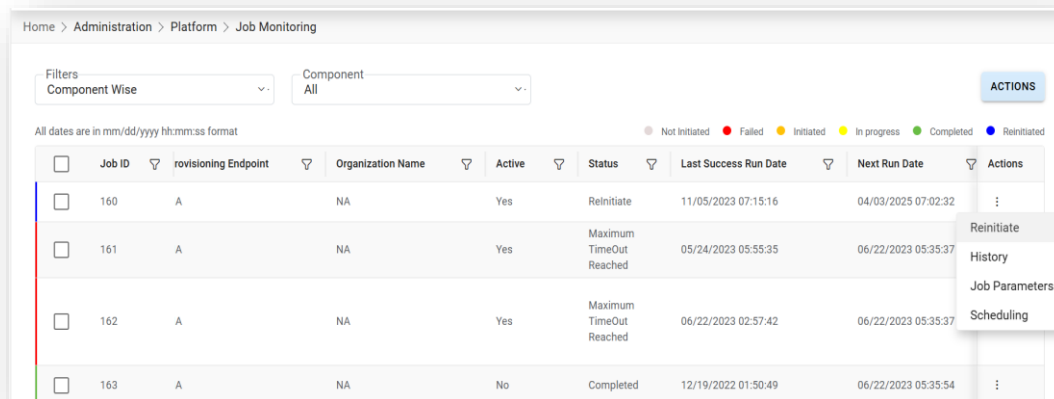


Figure 51 - Reinitiate

2. A success message appears.

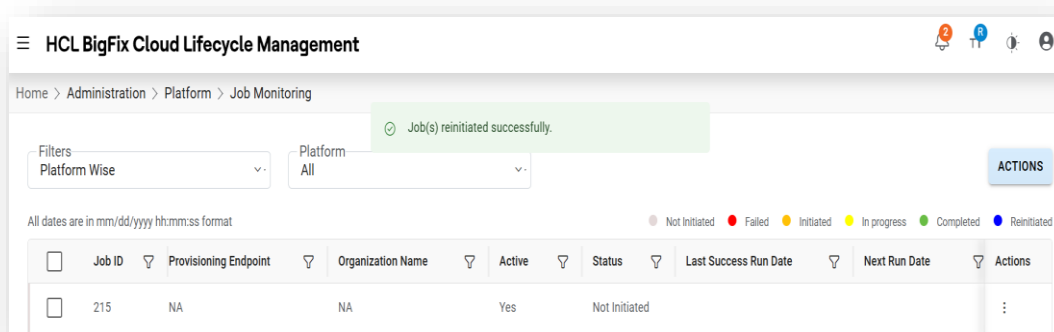


Figure 52 - Reinitiate Message

3.3.2.3.1.3 Job Parameters

To modify job parameters of a job, Admin needs to follow the following steps:

1. Click **Job Parameters**.

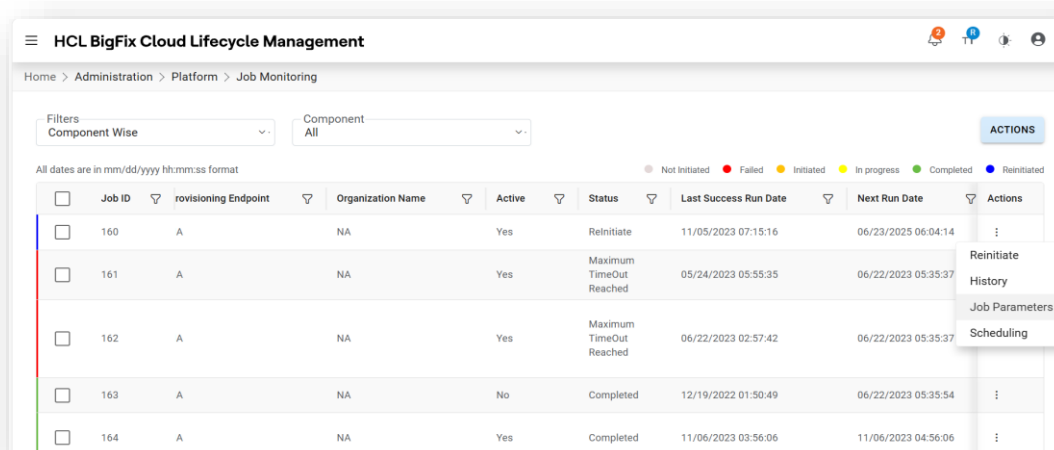


Figure 53 - Job Parameters

2. After changing the parameters, click **Add**.

Job ID: 160

Job Name	Description	Last Success Run Date	Next Run Date
Billing Cost Model Version	Job is used to Activate Cost Model Version for Billing	11/05/2023 07:15:16	06/23/2025 06:04:14

JOB PARAMETERS

Name	Description	Value Type	Value
EnableLog	This key is used for enable detailed logging flag. For Enable Logging set "1" else "0"	Text	1

CANCEL ADD

Figure 54 - Job Parameters

Refer to the table below to understand the fields mentioned in the above figure:

Table 14 – Job Parameters

Field	Description
Name	Name of job parameter
Description	Job parameter description
Value Type	Value type of job parameter
Value	Default value of job parameter

3.3.2.3.1.4 Scheduling

To make changes in scheduling, Admin needs to follow the following steps:

1. Click **Scheduling** to change the frequency of Jobs.

Home > Administration > Platform > Job Monitoring

Filters: Component Wise | Component: All

Actions: [Button]

All dates are in mm/dd/yyyy hh:mm:ss format

Legend: Not Initiated (Grey), Failed (Red), Initiated (Yellow), In progress (Orange), Completed (Green), Reinitiated (Blue)

Job ID	Provisioning Endpoint	Organization Name	Active	Status	Last Success Run Date	Next Run Date	Actions
160	A	NA	Yes	Reinitiate	11/05/2023 07:15:16	06/23/2025 06:04:14	⋮
161	A	NA	Yes	Maximum TimeOut Reached	05/24/2023 05:55:35	06/22/2023 05:35:37	⋮
162	A	NA	Yes	Maximum TimeOut Reached	06/22/2023 02:57:42	06/22/2023 05:35:37	⋮
163	A	NA	No	Completed	12/19/2022 01:50:49	06/22/2023 05:35:54	⋮

Actions for Job 160: Reinitiate, History, Job Parameters, Scheduling

Figure 55 - Scheduling

2. Modify the parameters as per requirement, click **Add**.

Job ID: 160

Job Name: Billing Cost Model Version
Description: Job is used to Activate Cost Model Version for Billing
Last Success Run Date: 11/05/2023 07:15:16
Next Run Date: 06/23/2025 06:04:14

SCHEDULING

Schedule Type: Recurring
Recurring Interval*: 1
Recurring Frequency*: Daily
Max Job Exec Time (min)*: 30
Max Retry Count*: 3
Start Time: 18:12:15
Select Time Zone: GMT(+00:00)
Fail Job on Timeout: ☐ Yes

*Day of Week : You can set 'Recurring Interval' as 1-7 (starting from Monday).
**Date of Month : You can set 'Recurring Interval' as 1-28.

CANCEL ADD

Figure 56 - Scheduling (cont.)

Refer to the table below to understand the fields mentioned in the above figure:

Table 15 – Scheduling

Field	Description
Schedule Type	Lists whether a job needs to run on a recurring basis or one-time basis
Recurring Interval	Lists the recurring interval e.g., daily, weekly and many more
Recurring Frequency	Frequency of job
Max Job Exec Time	Users can set Maximum Job Execution Time in Minutes.

3.3.2.4 Logs

This section allows HCL BigFix CLM Admin to view the log of tasks that have been performed by HCL BigFix CLM.

1. Click on **Administration**, then **Platform**, then **Logs** to view the logs.

HCL BigFix Cloud Lifecycle Management

Home > Administration > Platform > Logs

Component Code*: Web API (WEBAPI)
Level Code: INFO
API Name: All
Include Token*: NO
Date Range Type*: 06/24/2025 10:26 - 06/24/2025 10:41
GO

Figure 57 - Logs

Refer to the table below to understand the fields mentioned in the above figure and fill in the details:

Table 16 – View Logs

Field	Description
Component Code	HCL BigFix CLM component code

Level Code	Level code as info, error, and debug
API Name	Name of the internal API
Include Token	Specify if the token is included with the selected API
Date Range Type	Displays the date range from starting period of log to the end period of log

All fields marked with asterisk (*) are mandatory.

2. Data gets displayed as shown below:

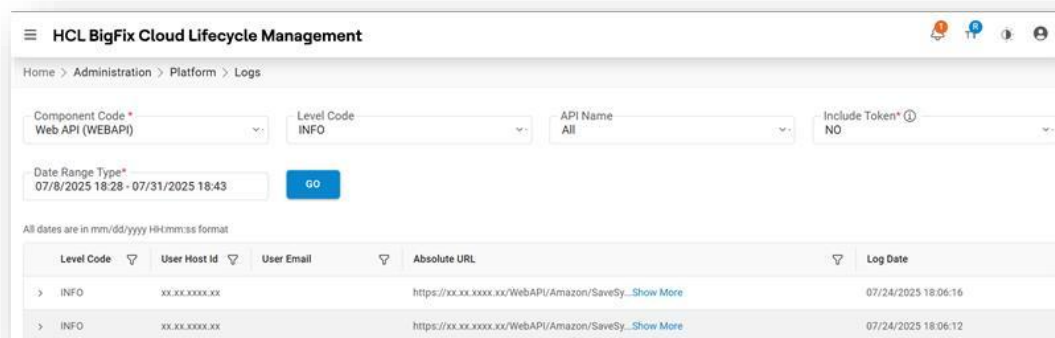


Figure 58 - View Logs

3. Click on **Expand** to check detailed logs.

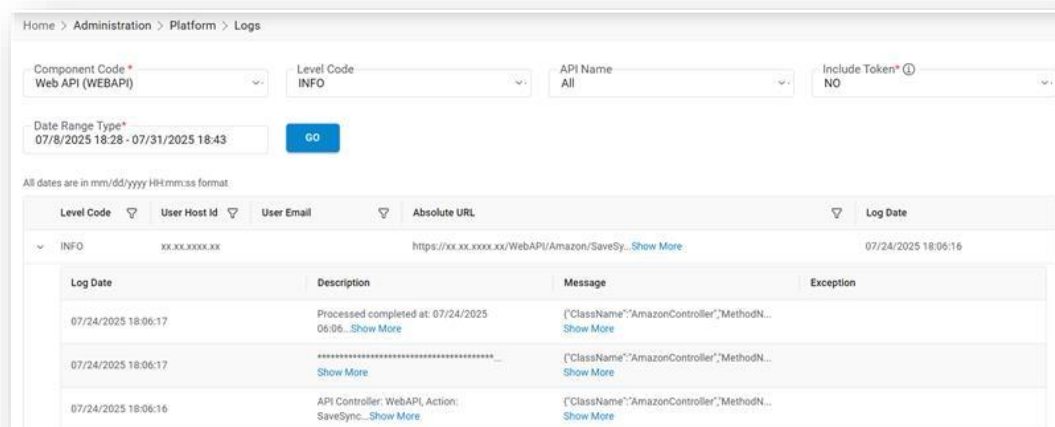


Figure 59 - Detailed View Logs

3.3.3 RBAC

In this section, the following options are available:

- Add Provider
- Provider Users

3.3.3.1 Admin User

Through HCL BigFix CLM, it becomes easy for an Admin to manage other cloud administrators as it allows the admin to create, edit, view, and delete any other Admin users.

To create and manage other HCL BigFix CLM admin users, HCL BigFix CLM Admin needs to follow the following steps.

1. On the side menu bar, click **Administration**, then **RBAC**, and then click **Admin Users**.

3.3.3.1.1 Add User

To add admin users, follow the steps below:

1. Click on **Add User**.

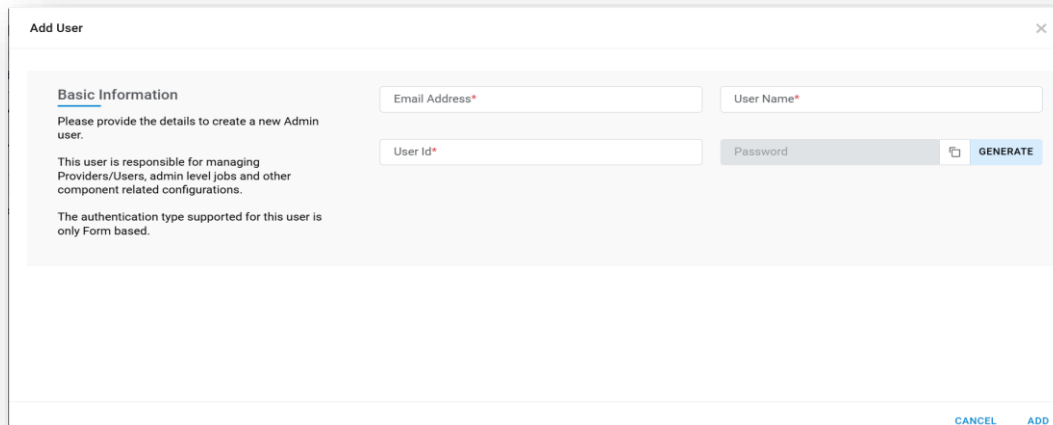


Figure 60 – Add User

Figure 59 - Add Admin User

Refer to the table below to understand the fields mentioned in the above figure and fill in the details:

Table 17 – Admin User Details

Field Name	Description
User ID	Enter the employee id of the person who will become the Cloud Admin
Email Address	Enter the business email id of the person who will become the Cloud Admin
Username	Enter the desired username
Generate	Click and it generates alphanumeric passwords for the cloud admins
Password	Post clicking the Generate Password button, the password field gets auto populated with a password generated by HCL BigFix CLM engine

2. Copy the password by clicking on Copy ().
3. Click **Add**.

Only one user with **Component Access** is allowed in HCL BigFix CLM.

4. A success message appears.

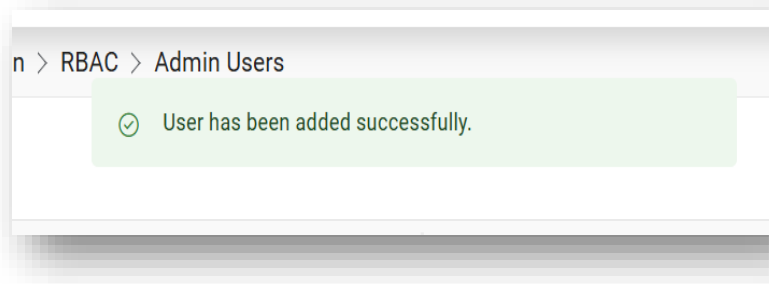


Figure 61 - Added User Confirmation

All fields marked with asterisk (*) are mandatory.

3.3.3.1.2 View Users

This section lists all the Cloud Admin users that have been created by HCL BigFix CLM Admin.

The screenshot shows the 'HCL BigFix Cloud Lifecycle Management' interface. The breadcrumb trail is 'Home > Administration > RBAC > Admin Users'. There are filters for 'Active' (selected) and 'Inactive'. A '+ USER' button is in the top right. The table below lists several active users.

Status	User Name	Email Address	User Id	Action
Active	Admin2 user - edit changed by admin211	admin2@hcl.com	admin2 user - edit11	[Toggle Off] [Edit]
Active	Admin3	admin3@hcl.com	admin3 change	[Toggle On] [Edit]
Active	Admin4	admin4@hcl.com	admin4	[Toggle On] [Edit]
Active	Admin5	admin5@hcl.com	admin5	[Toggle On] [Edit]
Active	Admin6	admin6@hcl.com	admin6	[Toggle On] [Edit]
Active	Admin7	admin7@hcl.com	admin7	[Toggle On] [Edit]
Active	erfde	qwased@gggt.in	werty	[Toggle On] [Edit]

Figure 62 - Details of Admin Users

It also comprises of the following actions:

- **Edit:** To modify the details of existing cloud admin users.
- **Change status:** To delete cloud admin users.

3.3.3.1.3 Edit User

To edit/ modify the details of Admin users, Admin needs to follow the following steps:

1. Click on **Edit** button.

Figure 63 - Update Details of Admin Users

2. Modify the details and click Update.
3. A success message appears on the screen.

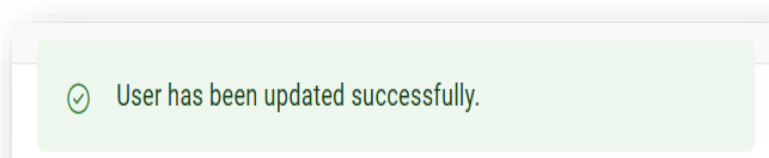


Figure 64 - Update Details of Admin Users (Cont.)

All fields marked with asterisk (*) are mandatory.

3.3.3.1.4 Change Status

To change the Object Type status, admin needs to follow the steps below:

1. Click on **Change Status** against specific Admin Users row.

Status	User Name	Email Address	User Id	Action
Inactive	Admin2 user - edit changed by admin211	admin2@hcl.com	admin2 user - edit11	
Active	Admin3	admin3@hcl.com	admin3 change	
Active	Admin4	admin4@hcl.com	admin4	
Active	Admin5	admin5@hcl.com	admin5	
Active	Admin6	admin6@hcl.com	admin6	
Active	Admin7	admin7@hcl.com	admin7	
Active	erfde	qwawed@gggt.in	werty	

Figure 65 - Change Status

2. A Confirmation message appears.

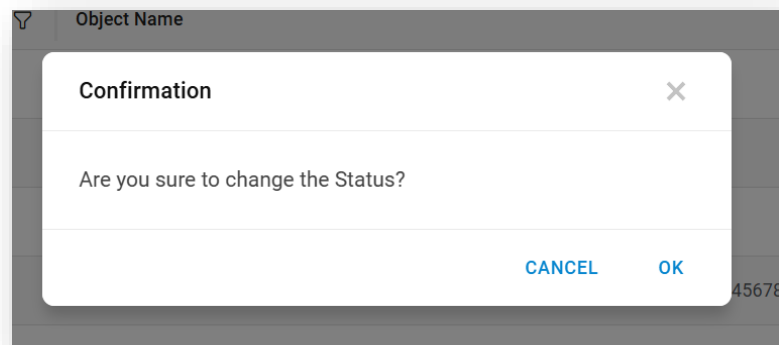


Figure 66 - Confirmation Message

3. Click **OK** to Confirm.

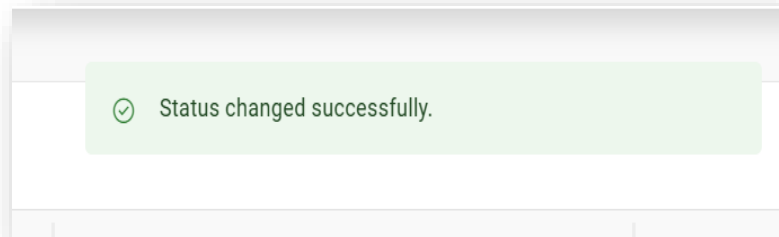


Figure 67 - Success Message

3.3.3.2 Provider Users

In this section, Admin creates and manages provider users.

1. On the side menu bar, click **Administration**, then **RBAC**, and then click **Provider Users**.

3.3.3.2.1 Add User

To add a provider user, follow the steps below:

1. Under the Provider Users, click on **Add User**.

Figure 68 - Add Provider User

Refer to the table below to understand the fields mentioned in the above figure:

Table 18 – Add Provider User

Field Name	Description
Provider	Lists out the providers. -If selected provider is elevated provider, then service account users of this provider will have privileged role to create another provider and users under Provider through API If selected provider is elevated provider, then users of this provider will have privileged role to create another provider and users under through out of box methods (Create Provider, Create User, Create Organization Users)
Username (First & Last Name)	Provide the first and last name of the user
Email Address	The email Id of the user
User Id	The desired User Id

2. Click **Generate Password**, the password field is populated by secure auto generated password.
3. Use **Copy** () to copy the password.

- On the first Login, provider user is redirected to the **Change Password** screen and enforced to change the system generated password.
- My Cloud generates a password of 12 characters in length that contains alphabets, numbers & special characters.

4. To add the **provider user**, click **Add** or click **Cancel** to discard the action. A success message appears.

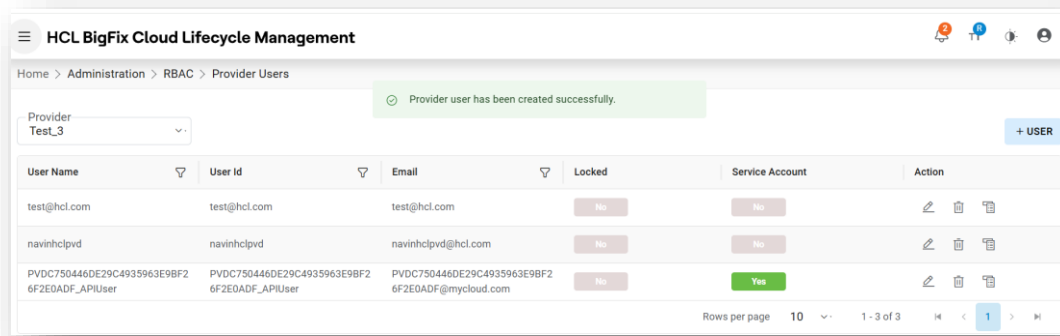


Figure 69 - Confirmation Message

All fields marked with asterisk (*) are mandatory.

The new user is created, and it appears in the list of users.

3.3.3.2.2 View Provider Users

This section lists all the provider users that have been created by Admin.

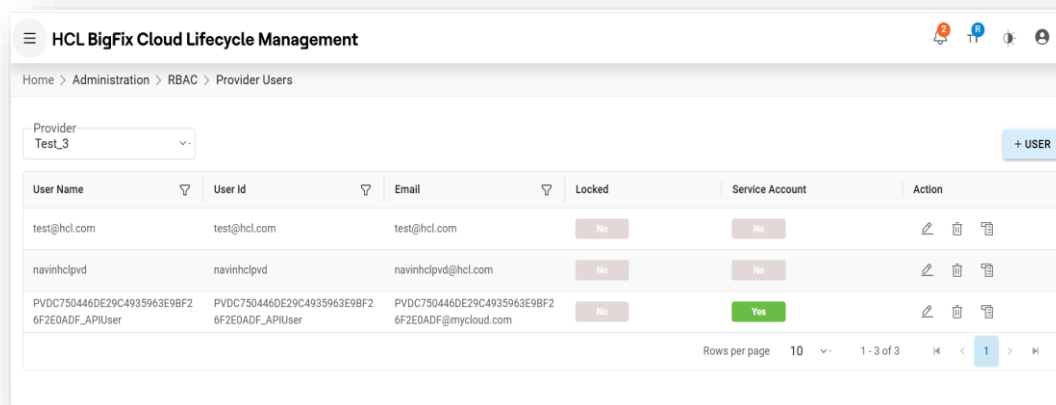


Figure 70 - View Provider Users

Refer to the table below to understand the fields mentioned in the above figure:

Table 19 – View Provider Users

Field Name	Description
Username (First & Last Name)	Displays the name of the person who will become the Provider User
Email	Displays the business email id of the person who will become the Provider User
User Id	Displays the username of provider user
Locked	It signifies whether the account of a user has been locked or unlocked due to multiple attempts to log into the system
Service Account	It confirms if the Account is a service account or not
Action	It provides Cloud Admin to take actions like Edit, View and Delete against the listed Provider users

It also comprises of the following actions:

- **Edit:** To modify the details of existing providers.
- **Delete:** To delete the providers.
- **Configure Menus:** To configure menu for providers.

3.3.3.2.3 Edit Provider User

To edit/ modify the details of a Provider User, follow the steps below:

1. On the **Provider Users**, select **Provider** and click **Edit**.

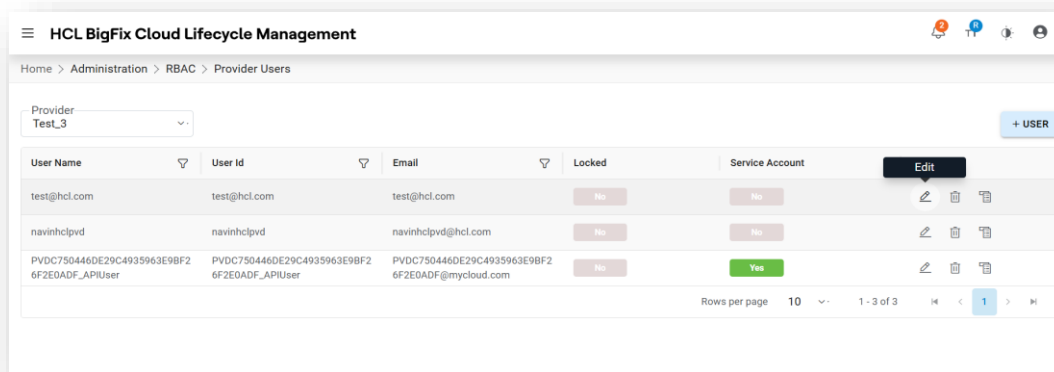


Figure 71 - View Provider User

2. Modify the desired details.

Figure 72 - Edit Provider User (Cont.)

3. Click **Update** to save the settings or click **Cancel** to discard all the changes.
4. A success message appears.

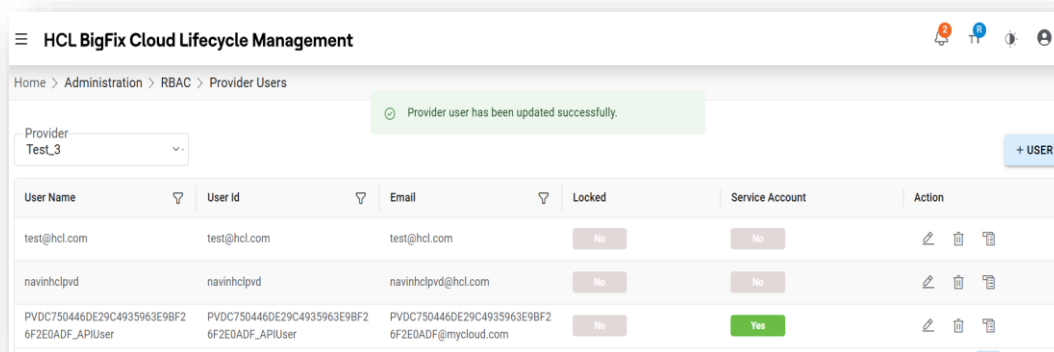


Figure 73 - Edit Provider User (Cont.)

3.3.3.2.4 Delete Provider Users

To delete provider users, Admin needs to follow the steps below:

1. On the View Provider Users, select Provider and click Delete.

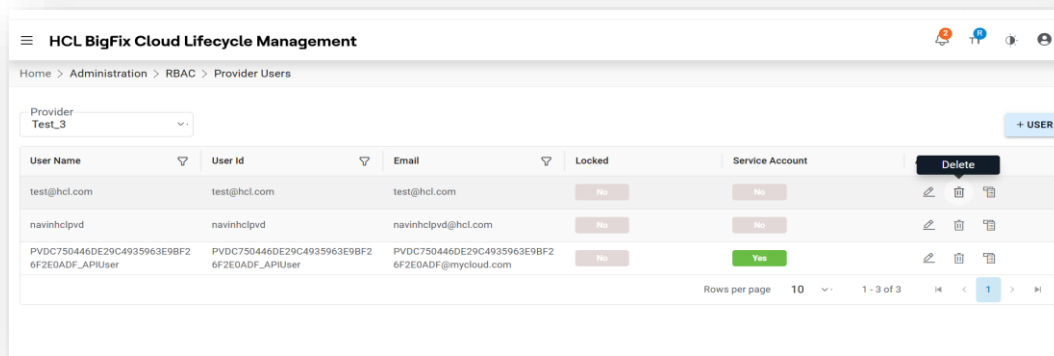


Figure 74 - Delete Provider User (Cont.)

2. Click **Delete**.
3. When prompted for confirmation, click **OK**.

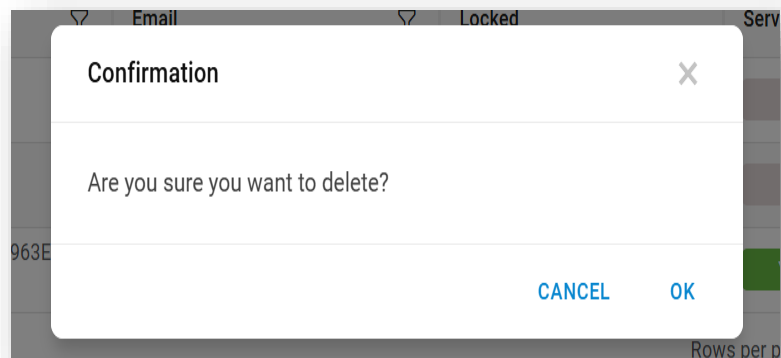


Figure 75 - Delete Provider User (Cont.)

4. A success message appears.

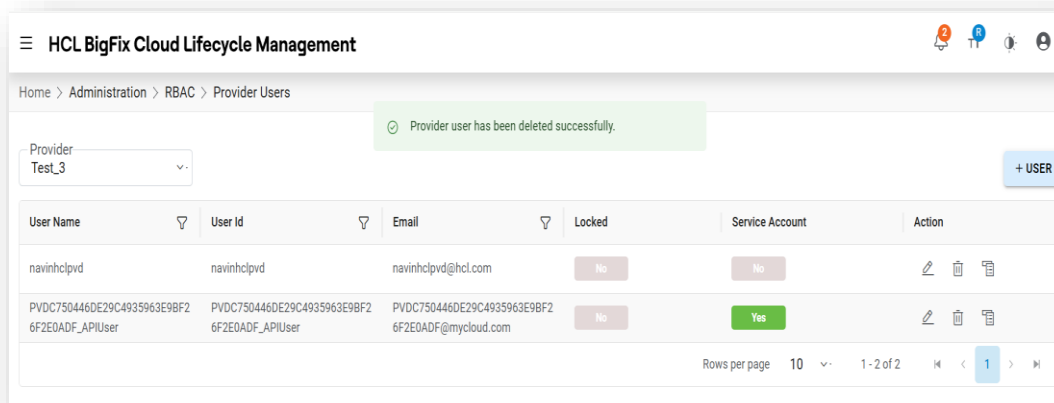


Figure 76 - Confirmation Message

Provider User can also use **Unlock Action** in case the user is Locked.

3.3.3.2.5 Configure Menu for Provider Users

To add/update the menu and submenu for the provider users, follow the steps below:

1. On the **Provider user**, click **Configure** (🔧) corresponding to the provider that admin wants to configure.

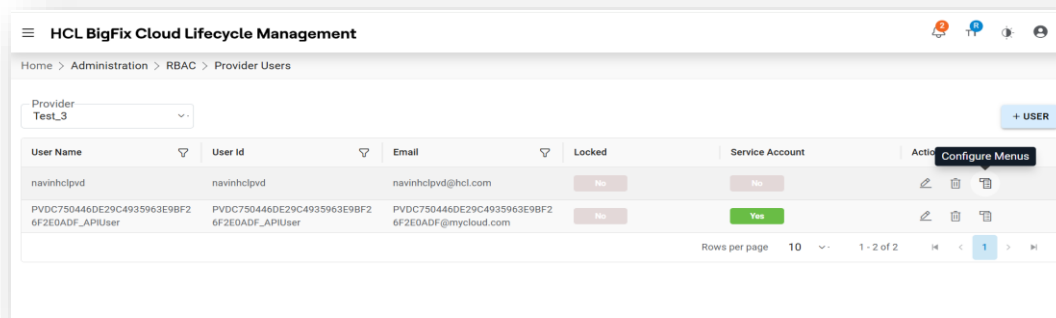


Figure 77 - View Provider

2. Modify the details and click **Configure**.
3. **Check/Uncheck** the menu items and click **update**.

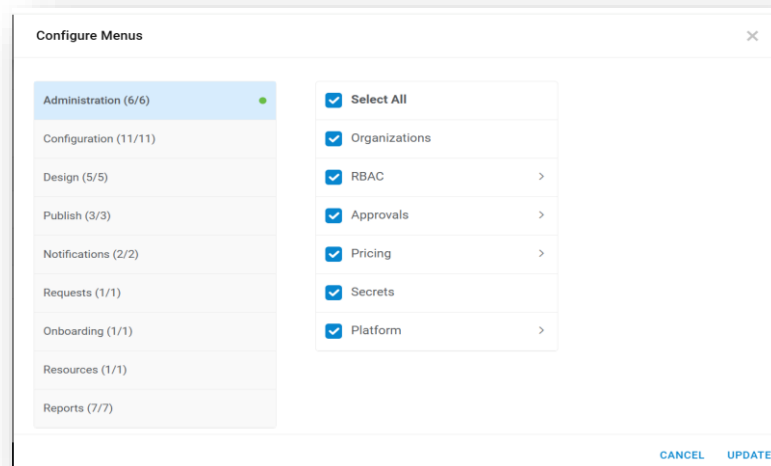


Figure 78 - Configure Menu for Provider (Cont.)

4. A success message appears.

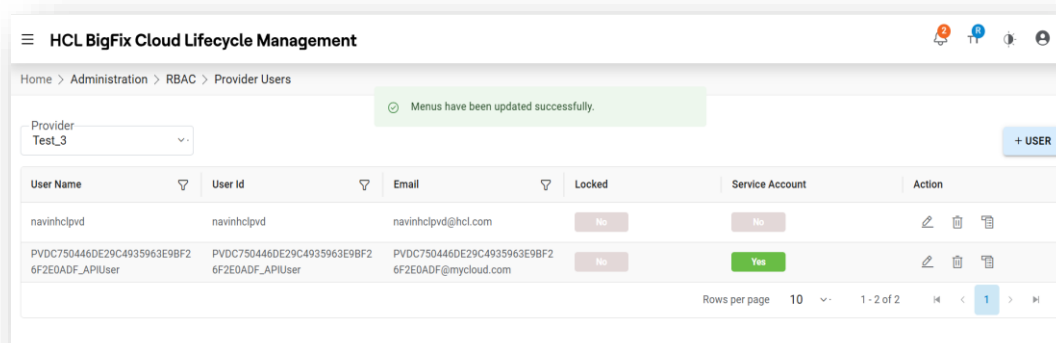


Figure 79 - Configure Menu for Provider (Cont.)

3.3.4 Configuration

In this section, the following options are available:

- Objects
- SMTP

3.3.4.1 Objects

Object types are the resources that are provided by cloud provider(s). HCL BigFix CLM admin users can view or edit object types as required.

To manage Object Types, HCL BigFix CLM Admin needs to follow the steps below.

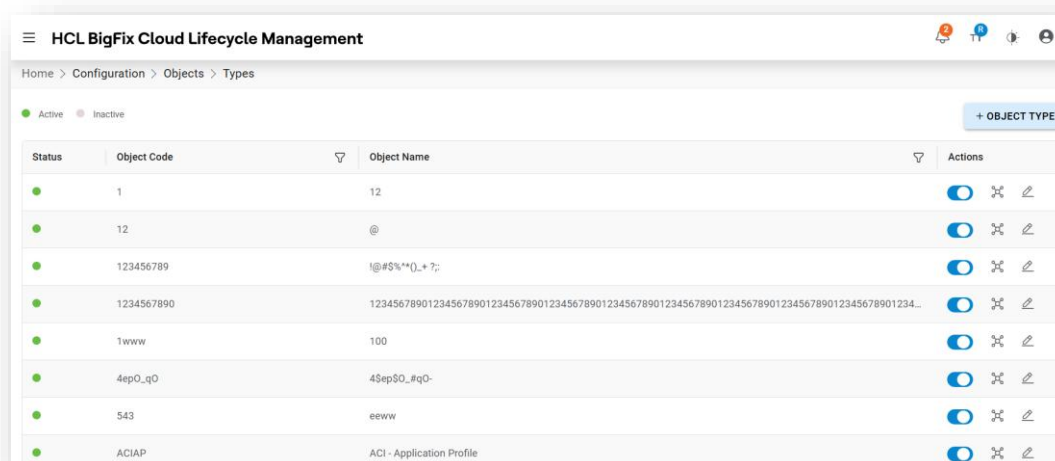
1. From the side menu bar, click **Configuration**, then **Objects**, and then **Types**.

3.3.4.1.1 View Object Types

This section lists out all the Object Types that are available in HCL BigFix CLM.

It also comprises of the following action:

- **Edit:** To modify the details of existing object Types.
- **Change Status:** To change the status of existing object Types.
- **Map Object Type:** To map active existing Object Type with Provider and Platform.



Status	Object Code	Object Name	Actions
Active	1	12	
Active	12	@	
Active	123456789	!@#\$%^&*()_+ 7;	
Active	1234567890	1234567890123456789012345678901234567890123456789012345678901234...	
Active	1www	100	
Active	4epO_qO	45ep\$0_#qO-	
Active	543	eeeww	
Active	ACIAP	ACI - Application Profile	

Figure 80 - View Object Types

Refer to the table below to understand the fields mentioned in the above figure:

Table 20 – View Object Types

Field	Description
Object Code	Name of the infrastructure resource
Object Name	Provide object code for the object type. This should be unique for HCL BigFix CLM.
Action	To modify existing object type using Edit action

3.3.4.1.2 Edit Object Type

To edit **Object Type**, admin needs to follow the steps below:

1. Click on **Edit** (✎) Corresponding to the Object Type to be edited.
2. Modify the details.
3. Click **Update**.

Figure 81 - Edit Object Type

4. A success message appears.

Figure 82 - Success Message

All fields marked with asterisk (*) are mandatory.

3.3.4.1.3 Change Status

To change Object Type status, admin needs to follow the steps below:

1. Click on **Change Status** against specific Object Type.

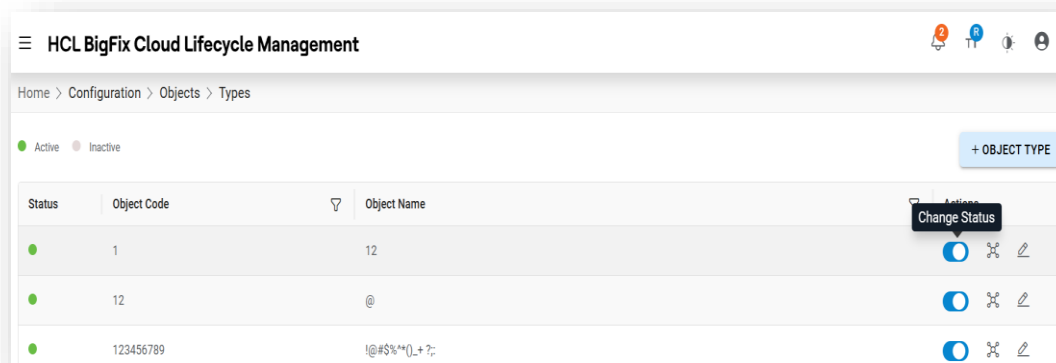


Figure 83 - Change Status

2. A Confirmation message appears.

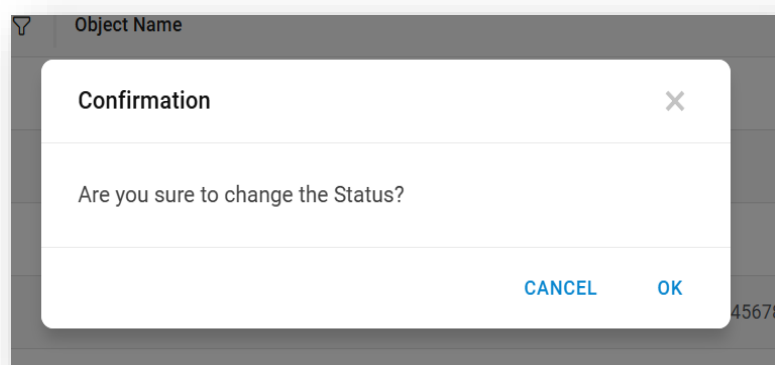


Figure 84 - Confirmation Message

3. Click **OK** to Confirm. A success message appears.

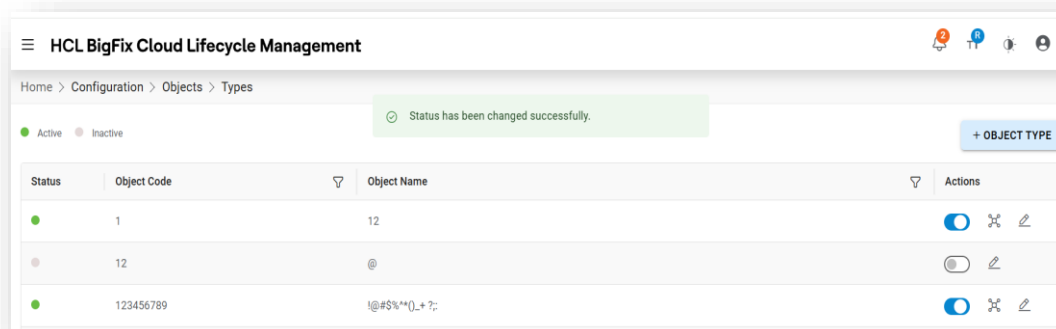


Figure 85 - Success Message

3.3.4.1.4 Map Object Type

To map Object Type with Platform and Provider, admin needs to follow the steps below:

1. Click on **Map Object Type** against a specific **Object Type**.

Add Object Type

Basic Information

Please provide the unique Object Code and Object Name.

Object Code* ⓘ

Object Name*

CANCEL ADD

Figure 89 - Add Object Type

2. Enter Object Code and Object Name.
3. Click **Add**.

Add Object Type

Basic Information

Please provide the unique Object Code and Object Name.

Object Code* ⓘ
CL

Object Name*
CLOUD

CANCEL ADD

Figure 90 - Add Object Types (cont.)

4. A success message appears.

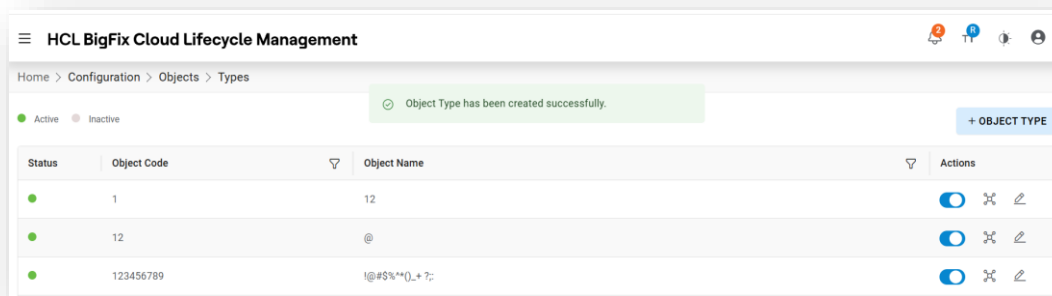


Figure 91 - Success Message (cont.)

All fields marked with asterisk (*) are mandatory.

3.3.4.2 SMTP

By Configuring Email in HCL BigFix CLM, mail notifications are sent to end-users.

To create and manage Email, HCL BigFix CLM Admin needs to follow the steps below.

1. On the side menu bar, click **Configuration**, and then click **SMTP**.

3.3.4.2.1 Add` Configuration

To add Email Configuration, admin needs to follow the following steps:

1. Click **Add** button.

The screenshot shows the 'Email Configuration' form. It has a 'Basic Information' section with the text: 'Please provide details for an email server. The email server will be used to send email notifications based on events.' The form includes a 'Server Type' dropdown menu set to 'SMTP'. There are input fields for 'IP/DNS Address*', 'Port Number*', 'User Name', and 'Password'. A 'CHECK CONNECTIVITY' button is next to the Password field. There is also a checkbox for 'Enable SSL'. At the bottom right, there are 'CANCEL' and 'ADD' buttons.

Figure 92 - Email Add Configuration

Refer to the table below to understand the fields mentioned in the above figure:

Table 21 – SMTP Configuration Details

Field	Description
Server Type	The type of server that will be used for the Email configuration (SMTP Server)
IP/ DNS Address	IP or DNS address of the server
Port Number	The port that is required for the Email configuration
Username and Password	Credentials that have access to the Email
From Email	The mail id that will trigger the mails

2. Click **Add**. A success message appears.

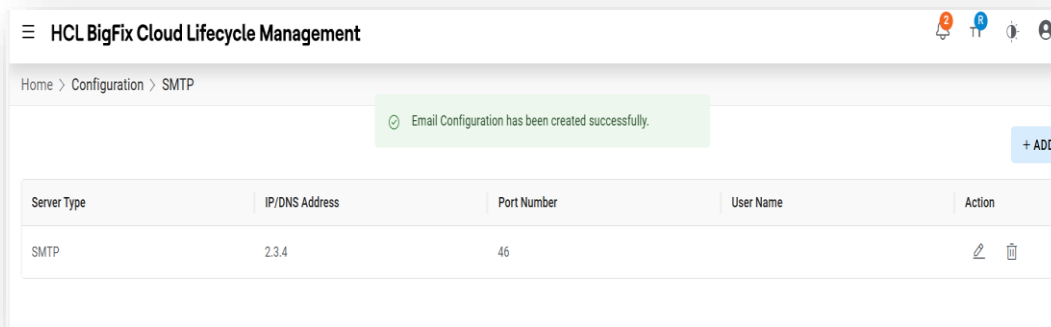


Figure 93 - Email Add Configuration (Cont.)

All fields marked with asterisk (*) are mandatory.

The new Email configuration is created, and it appears in the list of email configuration on the **View Configuration**.

3.3.4.2.2 View Configuration

This section lists all the Email configurations that have been created by **HCL BigFix CLM Admin**.

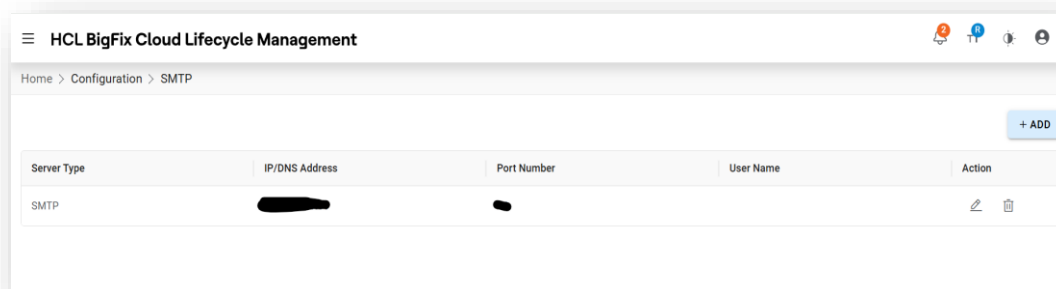


Figure 94 - View Email Configuration (Cont.)

Refer to the table below to understand the fields mentioned in the above figure:

Table 22 – SMTP Configuration

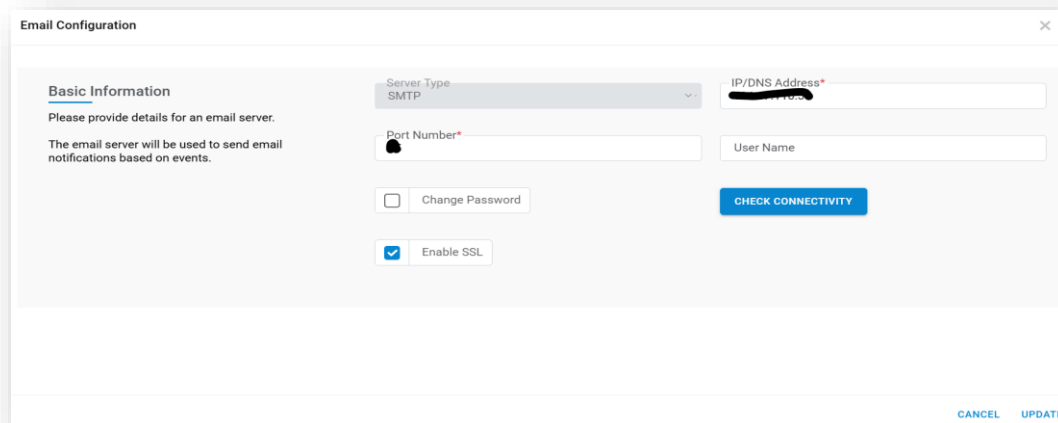
Field	Description
Server Type	SMTP/POP3 Type server
IP/ DNS Address	Address of the server
Port Number	Port that has been assigned to the server
Username	Username of the admin
Action	Actions like View and Delete against the listed SMTP configurations

- **Edit:** To edit the providers.
- **Delete:** To delete the providers.

3.3.4.2.3 Edit Configuration

To Edit the existing Email configurations, Admin needs to follow the below steps:

1. Click the Edit icon corresponding to the Email configuration to be edited.



Email Configuration

Basic Information
Please provide details for an email server.
The email server will be used to send email notifications based on events.

Server Type: SMTP

IP/DNS Address*: [Redacted]

Port Number*: [Redacted]

User Name: [Redacted]

☐ Change Password

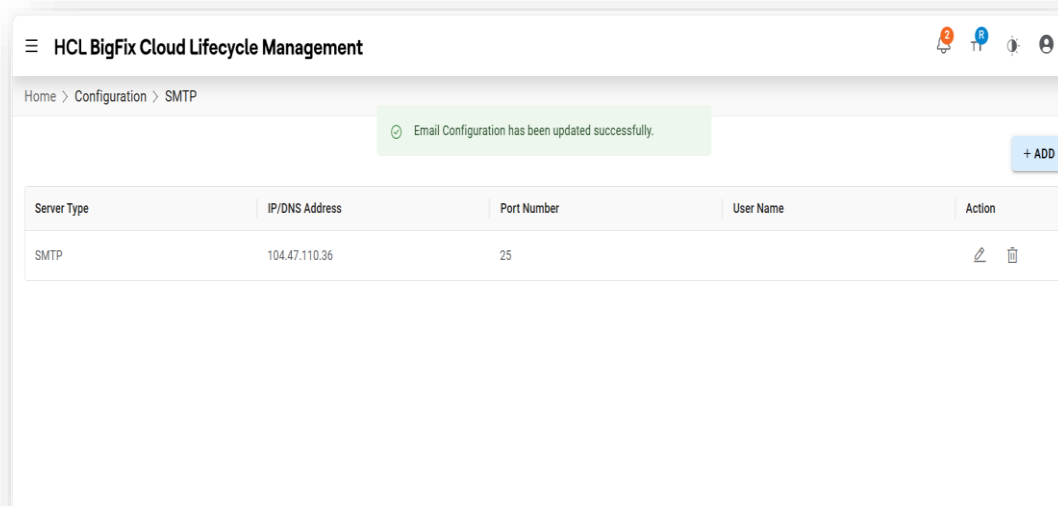
☒ Enable SSL

CHECK CONNECTIVITY

[CANCEL](#) [UPDATE](#)

Figure 95 – Edit Configuration

2. Modify all fields.
3. Click Update. A success message appears.



HCL BigFix Cloud Lifecycle Management

Home > Configuration > SMTP

✓ Email Configuration has been updated successfully.

[+ ADD](#)

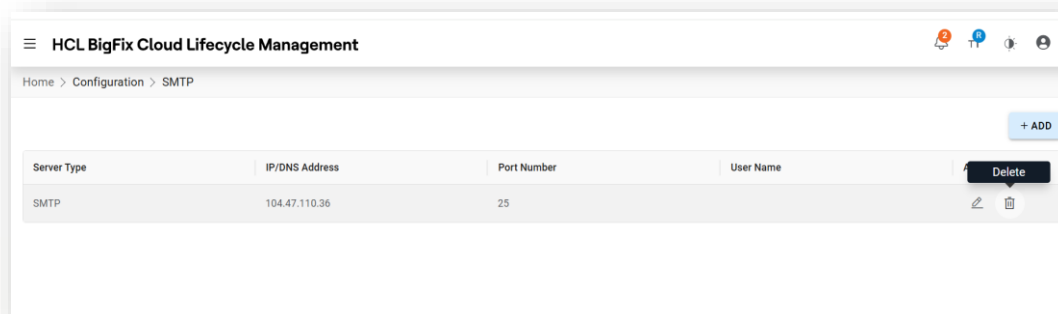
Server Type	IP/DNS Address	Port Number	User Name	Action
SMTP	104.47.110.36	25		Edit Delete

Figure 96 - Edit Email Configuration (Cont.)

3.3.4.2.4 Delete Configuration

To Delete the existing Email configurations, Admin needs to follow the steps below:

4. Click **Delete** against the listed Email configuration.



HCL BigFix Cloud Lifecycle Management

Home > Configuration > SMTP

[+ ADD](#)

Server Type	IP/DNS Address	Port Number	User Name	Action
SMTP	104.47.110.36	25		Edit Delete

Figure 97 – Delete Configuration

- When prompted for confirmation, click **OK**.

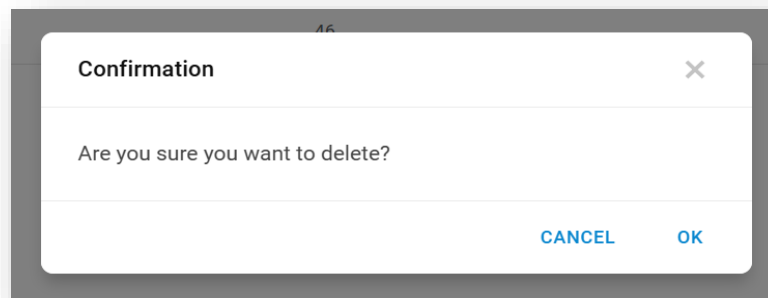


Figure 98 - Delete Email Configuration (Cont.)

- A success message appears.

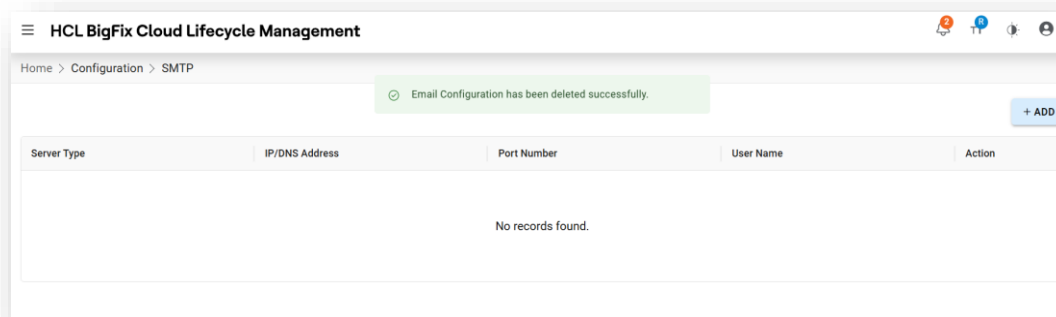


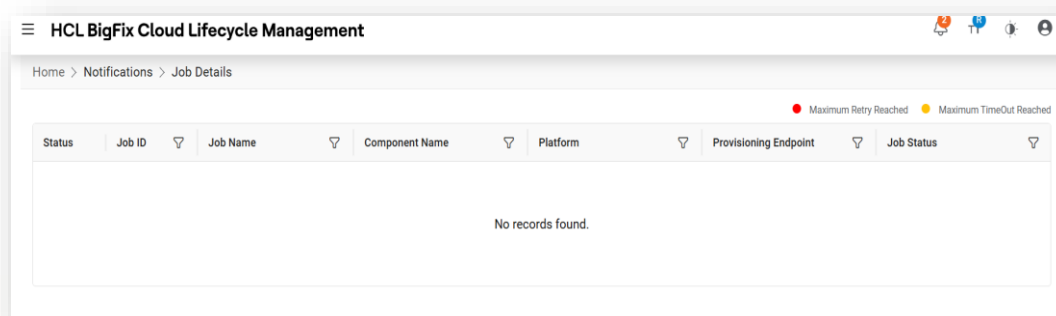
Figure 99 - Delete Email Configuration (Cont.)

3.3.5 Notifications

Through this section, Admin users can view Job Notifications. HCL BigFix CLM has multiple jobs that perform the backend operations such as syncing the provider data etc. This screen will notify the provider about the status of Jobs configured for the provider.

3.3.5.1 Job Details

- On the side menu bar, click **Notification** and then click **Job Details**.



Refer to the table below to understand the fields mentioned in the above figure:

Table 23 – Job Notification Details

Field	Description
Platform	Name of the Cloud Service Providers.
Job ID	Unique Id of a Job.
Job Name	Unique Job Name
Component Name	Job belongs to which Component, like Sync, Comp etc.
Providing Endpoint	Unique Endpoint Name of the Provider.
Job Status	Status of the Job.

- This helps users to notify the number of jobs which are either on the state of **Maximum Retry Reached**, **Maximum Timeout Reached** or **Failed**.

4 Support

To get support for this product, drop a mail to bigfixclm-prodsupport-team@hcl-software.com.

HCLSoftware

hcltechsw.com