

BigFix SaaS User Guide



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Chapter 1. Introduction

This section introduces a user to what is BigFix SaaS and what are the benefits of using it. It also

BigFix SaaS is an endpoint management platform based on Software as a Service (SaaS). It enables IT operations and security teams to automate and manage patches to hundreds of thousands of endpoints across multiple operating systems and apps, regardless of location, connection type or status as an on-premise, virtual, or cloud endpoint. HCL BigFix automates the management, patching and inventory of nearly 100 different operating system versions.

BigFix is a cloud-based service that leverages the BigFix team's decades of experience. The core HCL BigFix platform has the following additional components:

- HCL BigFix for Lifecycle Management (includes Patch Management, Remote Control, Software Distribution, and OS Deployment)
- HCL BigFix for Patch Management (includes vendor patches for Microsoft, UNIX, Linux, and Macintosh operating systems as well as patches for third-party applications by Adobe, Google, and Microsoft)
- HCL BigFix for Security and Compliance (provides common STIG, CIS, and third-party security baselines, network self-quarantine, and removable device control)
- HCL BigFix Inventory (gathers information about installed software and hardware in a customer's infrastructure)
- HCL BigFix for Server Automation (provides hypervisor operations to build and manage virtual machines in a datacenter environment)

Using BigFix has the following benefits:

- Cost savings
- Accessibility
- Scalability
- Automatic updates
- Quick deployment
- Reliability
- High compatibility
- SaaS security
- Decreased hardware requirements for implementation (SaaS version)

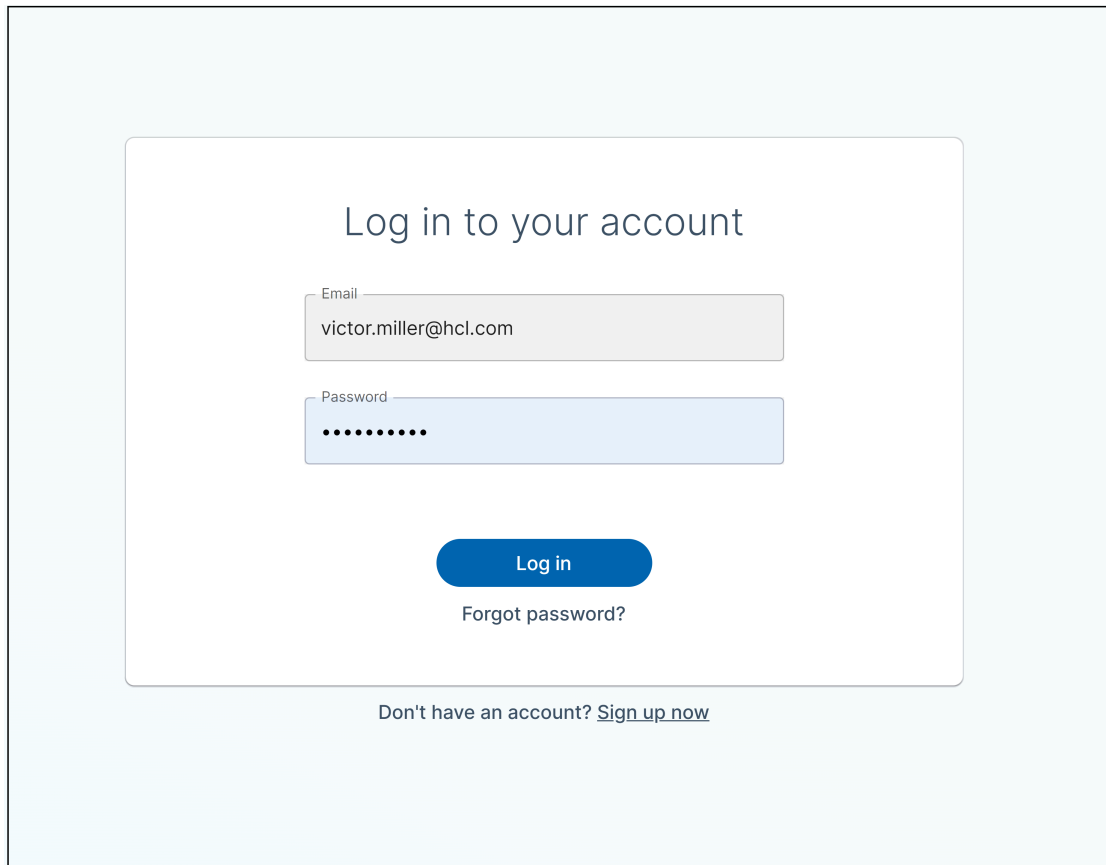
Chapter 2. Getting Started with BigFix SaaS

Learn how to access BigFix SaaS application.

Steps for accessing BigFix SaaS application using URL.

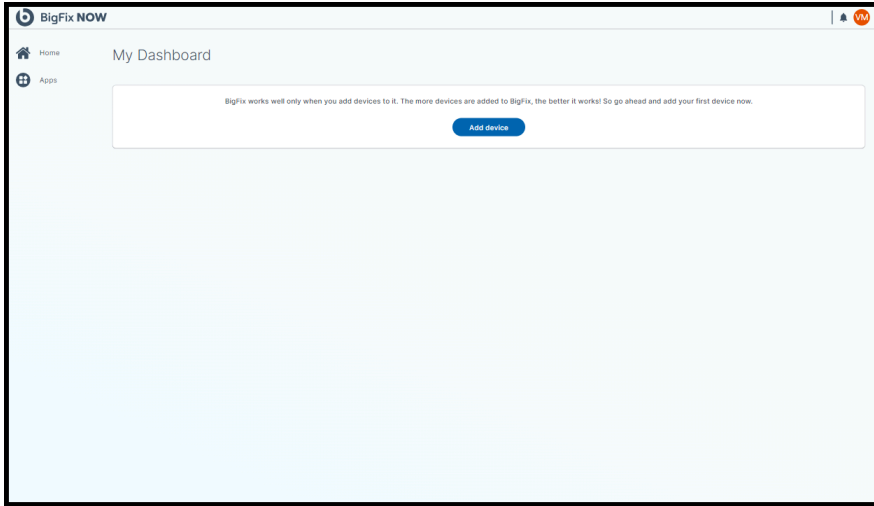
Follow the steps below to access BigFix SaaS:

1. Navigate to <https://login.bigfix.com> to access BigFix.

A screenshot of the BigFix login page. The page has a light blue background. In the center, there is a white rounded rectangle containing the text "Log in to your account". Below this text are two input fields: "Email" with the value "victor.miller@hcl.com" and "Password" with a masked password of ten dots. Below the input fields is a blue "Log in" button. Underneath the button is a link that says "Forgot password?". At the bottom of the white rectangle, there is a link that says "Don't have an account? Sign up now".

To login to BigFix, use the details previously provided to you by the BigFix team when you signed up for your BigFix account.

2. After successful login, you will be taken to *My Dashboard*, which is BigFix's home page.



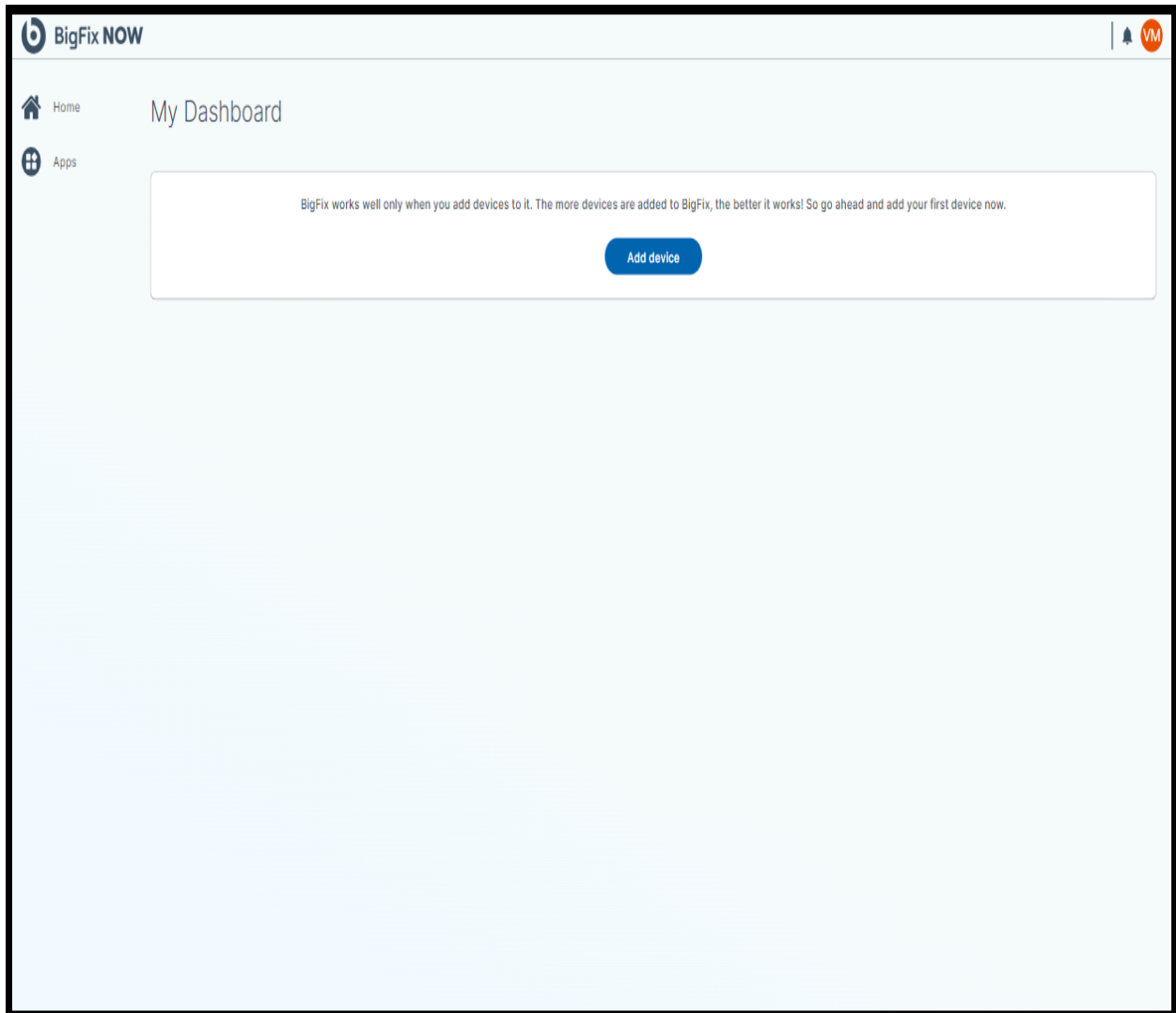
Chapter 3. BigFix SaaS User Guide

This guide is for the regular users of BigFix SaaS.



It provides details of the features that are available to a user when they access the SaaS application. For example: accessing BigFix SaaS, creating and managing users, using the available apps - the Deployment Manager, Device Explorer, and the Fixlet Explorer.

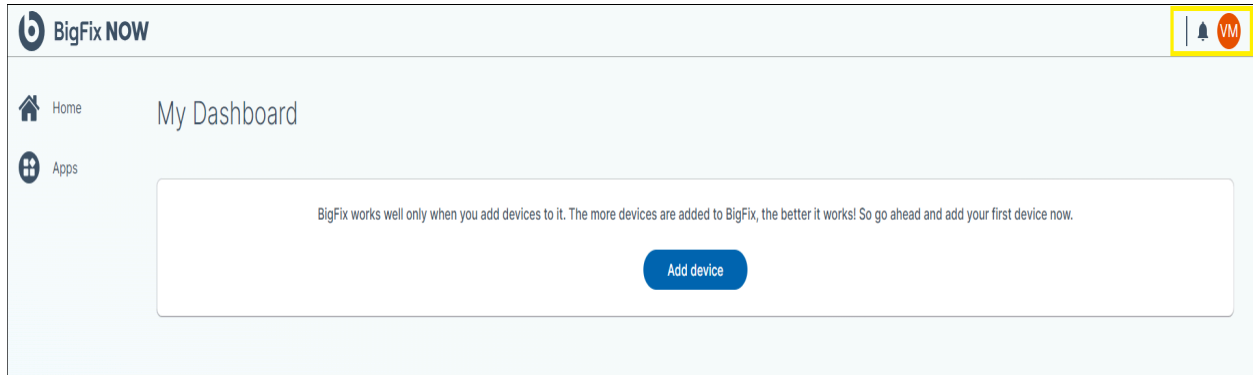
My Dashboard

My Dashboard is BigFix's home page.



When accessing BigFix for the first time, a prompt appears, encouraging the addition of devices to the BigFix deployment. The top right corner of the Home Page has the following two icons that provide additional functionality:




-  - The first one is the notification icon, where important prompts are displayed.
-  - The second one is the User Profile icon/photo, which links users to their account management page.



For customers who have multiple BigFix accounts, each account can set whether to use the light or dark mode.



Note: The Dark Mode feature is an account level feature which means that any change to the setting will apply across the application and for all users.

Click  to access your account's user profile. In your account's user profile, click the  switch to toggle between dark and light mode. Clicking the  icon shows important notifications for the user.

BigFix currently supports the following three apps:

- Deployment Manager
- Device Explorer
- Fixlet Explorer
- User Manager

Details about these applications and their functionality is available in separate sections. To unlock BigFix's full potential, it is essential to add your organization's devices into your BigFix deployment. This is extremely simple! To begin, click **Add device** and then follow the prompts on the screen.

Adding devices to BigFix

This task outlines the steps to add or onboard organizational devices to BigFix.

Administrators must be logged into BigFix to add additional users.

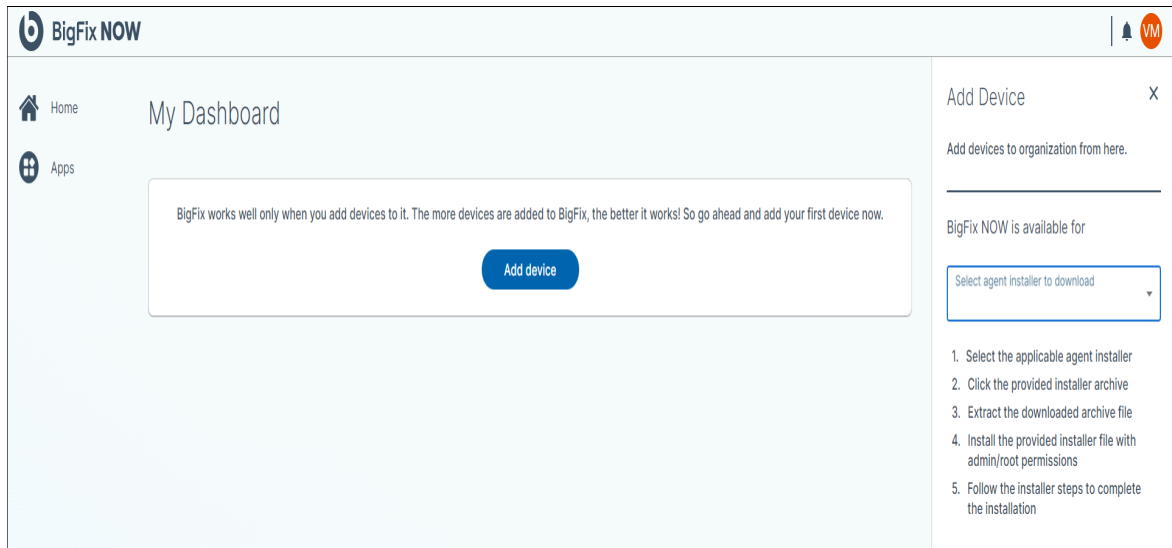


Note: BigFix requires at least one device to be added to your organization's deployment. Without at least one device, BigFix's applications cannot be used.

The more devices you add to BigFix, the better BigFix can help your organization. All devices added to your BigFix deployment are displayed in the Device Manager application.

Adding additional devices to your BigFix deployment is extremely easy. Follow the steps below to onboard devices:

1. Navigate to My Dashboard by clicking the Home icon on the left side of the screen. Once there, click Add devices. The Add Device panel will appear on the right side of the screen.



2. Enrolling a device in your BigFix deployment requires installing the BigFix agent. An agent is a small piece of code that runs on the computer and communicates with BigFix. Currently, BigFix SaaS supports agents that run on different operating systems. This means BigFix can be used on a broad range of device types.

In the **Add Device** panel, select the operating system that matches the one running on the device to be enrolled in BigFix. For example, select MacOS to enroll a MacBook in BigFix or select Ubuntu for an Ubuntu server.

3. After selecting the correct operating system, click the link that appears below the dropdown to download the agent.

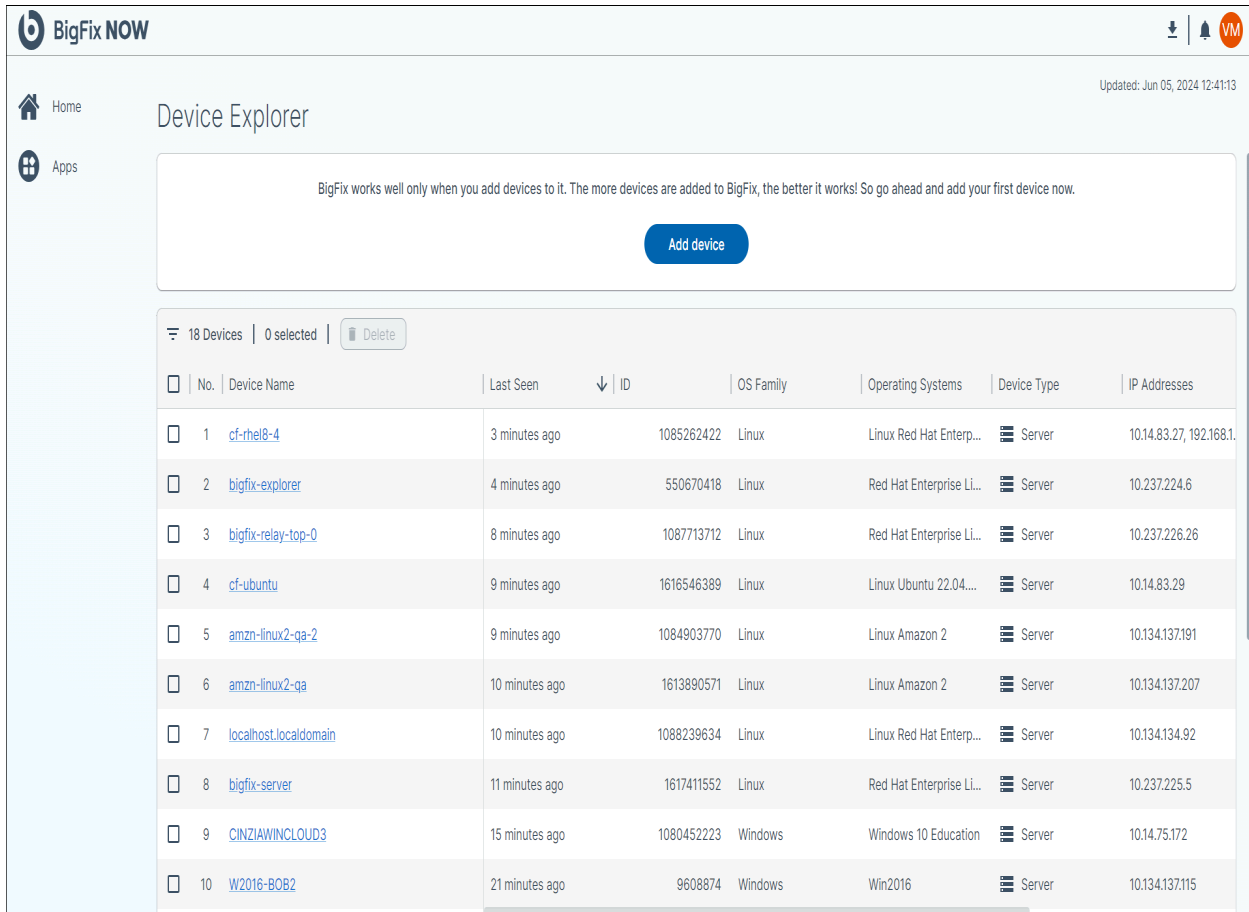
BigFix currently supports the following operating systems:

- Windows 10/2016+ (i386)
- MacOS, 11, 12, 13, 14 (x86_64, arm64)
- Amazon Linux 2, 2023 (x86_64)
- RHEL 7, 8, 9 (x86_64)
- Ubuntu 18, 20, 22 (x86_64)

Currently, there is no method to install agents on multiple devices simultaneously; users must install the agent appropriate for that device on each device one by one.

- Once downloaded, install the agent using standard processes for the device's operating system. To install the agent successfully, users must have admin/root privileges. Follow the steps in the installer until complete.

After the agent is installed on a device, it will automatically report back to the BigFix service. It will be visible in the Device Explorer page. BigFix currently allows users to manage 50,000 devices per deployment. Users can use the filter tool to search among the devices in their deployment. To remove device(s) from a deployment, please check the radio button next to the devices and then click the Delete button. This removes the selected devices from BigFix. If you decide you to re-enroll those devices at a later date, follow the instructions in this section again.



The screenshot shows the BigFix NOW interface. At the top left is the BigFix NOW logo. On the right, there are icons for a download, a bell, and a VM. Below the logo is a navigation menu with 'Home' and 'Apps'. The main heading is 'Device Explorer'. A message states: 'BigFix works well only when you add devices to it. The more devices are added to BigFix, the better it works! So go ahead and add your first device now.' Below this is a blue 'Add device' button. A summary bar shows '18 Devices | 0 selected | Delete'. The main content is a table with 10 rows of device information.

<input type="checkbox"/>	No.	Device Name	Last Seen	ID	OS Family	Operating Systems	Device Type	IP Addresses
<input type="checkbox"/>	1	cf-rhel8-4	3 minutes ago	1085262422	Linux	Linux Red Hat Enterp...	Server	10.14.83.27, 192.168.1...
<input type="checkbox"/>	2	bigfix-explorer	4 minutes ago	550670418	Linux	Red Hat Enterprise Li...	Server	10.237.224.6
<input type="checkbox"/>	3	bigfix-relay-top-0	8 minutes ago	1087713712	Linux	Red Hat Enterprise Li...	Server	10.237.226.26
<input type="checkbox"/>	4	cf-ubuntu	9 minutes ago	1616546389	Linux	Linux Ubuntu 22.04...	Server	10.14.83.29
<input type="checkbox"/>	5	amzn-linux2-qa-2	9 minutes ago	1084903770	Linux	Linux Amazon 2	Server	10.134.137.191
<input type="checkbox"/>	6	amzn-linux2-qa	10 minutes ago	1613890571	Linux	Linux Amazon 2	Server	10.134.137.207
<input type="checkbox"/>	7	localhost.localdomain	10 minutes ago	1088239634	Linux	Linux Red Hat Enterp...	Server	10.134.134.92
<input type="checkbox"/>	8	bigfix-server	11 minutes ago	1617411552	Linux	Red Hat Enterprise Li...	Server	10.237.225.5
<input type="checkbox"/>	9	CINZIAWINCLOUD3	15 minutes ago	1080452223	Windows	Windows 10 Education	Server	10.14.75.172
<input type="checkbox"/>	10	W2016-BOB2	21 minutes ago	9608874	Windows	Win2016	Server	10.134.137.115

Deployment Manager

No.	State	Name	Issued	ID	Start date	End date	Issuer
1	Active	fixlet in DM with action added VM9	7 hours ago	871 [null]		Jun 7, 2024 at 04:44 (Client)	
2	Active	fixlet in DM VM8	7 hours ago	869 [null]		Jun 7, 2024 at 04:38 (Client)	
3	Active	Test vm7	7 hours ago	868 [null]		Jun 7, 2024 at 04:35 (Client)	
4	Active	CinZ-test ID	20 hours ago	865 [null]		Jun 7, 2024 at 00:13 (Client)	z12345.67890v123
5	Active	cinzia-BFNOW-1783	21 hours ago	863 [null]		Jun 6, 2024 at 23:42 (Client)	z12345.67890v123
6	Active	Deploy_Test	23 hours ago	862 [null]		Jun 6, 2024 at 12:28 (Client)	developer
7	Active	win_mag vm8	1 day ago	840 [null]		Jun 6, 2024 at 03:49 (Client)	
8	Active	CCDC VM7	1 day ago	838 [null]		Jun 6, 2024 at 03:43 (Client)	
9	Active	04:00 client time	1 day ago	832	Jun 4, 2024 at 04:00 (Client)	Jun 6, 2024 at 04:00 (Client)	
10	Stopped	dd - dep.time check - start Jun 4, 2024 10:00 ...	1 day ago	830	Jun 4, 2024 at 10:00 (UTC)	Jun 6, 2024 at 02:39 (UTC)	
11	Active	dd - dep.time check - utc	1 day ago	828	Jun 4, 2025 at 02:18 (UTC)	Jun 4, 2025 at 02:20 (UTC)	
12	Active	dd - dep.time check	1 day ago	826	Jan 2, 2025 at 13:40 (Client)	Jan 6, 2025 at 13:42 (Client)	
13	Active	dd - activity feed - test.04 - upcoming	1 day ago	824	Jan 1, 2025 at 01:40 (Client)	Jan 1, 2025 at 01:40 (Client)	

BigFix allows users to perform actions on devices included in a BigFix deployment. These actions are called Deployments. The complexity of a deployment can vary significantly. Some deployments may complete in minutes, while others may take days to successfully run on all targeted devices.

The Deployment Manager application allows users to see, manage, and control active and completed deployments. To see active or expired Deployments, click **Deployment Manager**. This table view allows users to take basic actions on displayed deployments, including stopping and deleting the deployment.

Click the deployment name to drill down to the deployment details page which has extensive details about that deployment's configuration and status.

Access the Deployment Manager app through the App menu, on the left side of the homepage.

Updated: Jun 05, 2024 12:44:17

Issued	ID	Start date	End date	Issuer
7 hours ago	871 [null]		Jun 7, 2024 at 04:44 (Client)	

BigFix to showcases critical information to help leaders to support their business. Each application features a row of key performance indicators (KPIs) at the top, providing a real-time snapshot of the deployment and its status. We designed these KPIs to help users optimize their BigFix experience.

The Deployment Manager app currently has the following KPIs:

- Count of all deployments
- Count of active deployments
- Count of fixlets associated with active and/or scheduled deployments
- Average number of fixlets per active or pending deployments

In the Deployment Manager app, the deployment data table is below the KPIs. All deployments associated with your organization – both active and expired – are displayed in this table.

Deployment Manager

164 Deployments | 0 selected | Stop Delete

No.	State	Name	Issued	ID	Start date	End date	Issuer
1	Active	fixlet in DM with action added VM9	7 hours ago	871 [null]	Jun 7, 2024 at 04:44 (Client)		
2	Active	fixlet in DM VM8	7 hours ago	869 [null]	Jun 7, 2024 at 04:38 (Client)		
3	Active	Test vm7	7 hours ago	868 [null]	Jun 7, 2024 at 04:35 (Client)		
4	Active	Cinz-test ID	21 hours ago	865 [null]	Jun 7, 2024 at 00:13 (Client)		z12345.67890v123
5	Active	cinzia-BFNOW-1783	21 hours ago	863 [null]	Jun 6, 2024 at 23:42 (Client)		z12345.67890v123
6	Active	Deploy_Test	23 hours ago	862 [null]	Jun 6, 2024 at 12:28 (Client)		developer5
7	Active	win_mag_vm8	1 day ago	840 [null]	Jun 6, 2024 at 03:49 (Client)		
8	Active	CCDC VM7	1 day ago	838 [null]	Jun 6, 2024 at 03:43 (Client)		
9	Active	04:00 client time	1 day ago	832	Jun 4, 2024 at 04:00 (Client)	Jun 6, 2024 at 04:00 (Client)	
10	Stopped	dd - dep.time check - start Jun 4, 2024 10:00 ...	1 day ago	830	Jun 4, 2024 at 10:00 (UTC)	Jun 6, 2024 at 02:39 (UTC)	
11	Active	dd - dep.time check - utc	1 day ago	828	Jun 4, 2025 at 02:18 (UTC)	Jun 4, 2025 at 02:20 (UTC)	
12	Active	dd - dep.time check	1 day ago	826	Jan 2, 2025 at 13:40 (Client)	Jan 6, 2025 at 13:42 (Client)	
13	Active	dd - activity.feed - test 04 - upcoming	1 day ago	824	Jan 1, 2025 at 01:40 (Client)	Jan 1, 2025 at 01:40 (Client)	

The deployment data table includes filtering, detail drill down, and deleting deployments.

- Click the **Filter** icon to view the filter panel. Using the filter tool makes it possible to reduce the number of deployments displayed in the data table.
- A count of the total of deployments associated with your account.
- A count of the deployments that the user has selected in the data table. Selecting deployments in the data table is required for actions such as stopping or deleting deployments.
- The **Stop** button stops the selected active deployments.
- The **Delete** button deletes selected deployments from the data table so that they will no longer be displayed. Only Expired deployments may be deleted. To delete an Active deployment, it must first be stopped.

The **Stop** and **Delete** buttons are disabled by default and become selectable only after at least one deployment is chosen in the data table. User permissions, as assigned by administrators, may restrict some users from stopping or deleting deployments.

The data table also supports the sorting of each column. To do so, move your cursor near the column header name and then click. This will sort the data table using the values in that column. Reverse sorting requires clicking again.

The data table provides a comprehensive view of all your deployments. For detailed information on specific deployments, such as relevance code, current status, and other fields, users can access the Deployment Details page. To do this, click on the Name field of the desired deployment.

Deployment Details page

The Deployment Details Page provides comprehensive information about a specific deployment. It facilitates tracking deployment status, troubleshooting issues when a deployment fails on a device, and monitoring overall performance.

The screenshot displays the BigFix NOW interface for a deployment titled "871 - fixlet in DM with action added VM9". The interface is divided into several sections:

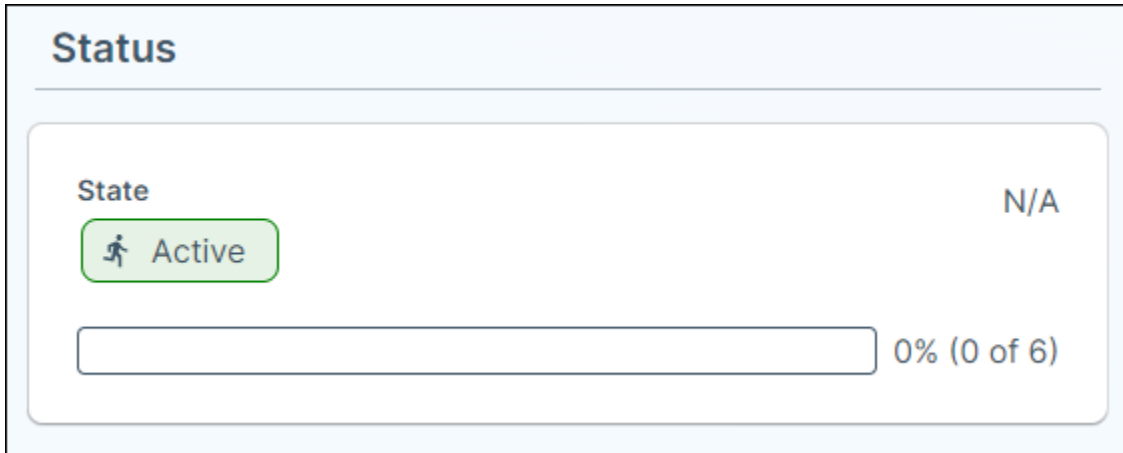
- Status:** Shows the deployment is "Active" with a progress bar at 0% (0 of 6).
- Configuration:** Lists deployment settings such as "Issued on Jun 05, 2024 05:14:50", "Start date not set, will begin immediately", and options for "Before Deployment Begins" (e.g., "Begin download after start", "No retries on failure", "One-time deployment").
- Messages:** Includes checkboxes for "No before running message" and "No while running message".
- Fixlet sequence:** Shows the sequence as "As shown in fixlets".
- After Deployment Ends:** Includes a "Restart: No" option and a timestamp "Jun 7, 2024 at 04:44 (Client)".
- Composition:** A chart showing the distribution of devices: 6 Total Devices, 4 Pending Restart (dark purple), and 2 Not Reported (light purple).
- Devices: (6 of 6 shown):** A table listing individual devices with their names, last seen times, computer IDs, results, and statuses.

No.	Name	Last seen	Computer ID	Result	Status	Completed
1	DESKTOP-F4DVQP7	15 minutes ago	1614862656	-	Pending Restart	No
2	WIN-JDDA7498JLF	17 minutes ago	1081543069	-	Pending Restart	No
3	W2016-BOB2	40 minutes ago	9608874	-	Pending Restart	No
4	WIN-7C5QF7DI6T2	6 hours ago	1617291107	-	Pending Restart	No
5	DESKTOP-F4DVQP7	1 week ago	1622899167	-	Not Reported	No
6	WIN-7C5QF7DI6T2	2 weeks ago	1624118468	-	Not Reported	No
- Fixlet:** A section for the fixlet properties, including a search bar and a table of details:

Name	ID	CVE(s)	Severity	Category
2696547: Manage SMBv1 in Windows and Windows Server - Enable Workaround (Remove SMB v1 completely) - Windows 8.1 / Windows ...	2-269654705	N/A	Unspecified	Workaround
Release date	Source	Source ID	Download size	
May 15, 2017	Microsoft	KB2696547	[null]	

The Deployment Detail page contains various pieces of information displayed in widgets.

- **Status** - The **Status** widget displays real-time information about the statuses associated with the devices included in the deployment. This includes the deployment's progress and its failure rate. Example statuses include pending restart, complete, and failed.





- **Composition** - Beyond the high-level status of completed or failed, a device can have multiple statuses. Examples include pending restart, waiting to download, etc. The **Composition** widget shows a treemap of all of the statuses for devices included within the deployment whose details are being displayed. This information is especially useful to troubleshoot issues.




- **Configuration** - The **Configuration** widget summarizes how users configured the initial deployment. At a single glance, this shows all the customizable parameters such as start time, end time, and pre- and post-actions.


Configuration


 Issued on Jun 05, 2024 05:14:50

 Start date not set, will begin immediately.

Before Deployment Begins

 Begin download after start

 No retries on failure


 One-time deployment

Messages


No before running message


No while running message

Fixlet sequence

 As shown in fixlets

After Deployment Ends

 Restart: No

 Jun 7, 2024 at 04:44 (Client)


- **Device** - The **Device** widget shows a subset of all of the devices that are part of the selected deployment. Users can see the full list of devices by clicking **Show All**.

Devices: (6 of 6 shown)

No.	Name	Last seen	Computer ID	Result	Status	Completed	Operating syst...	Device type	IP addresses	MAD addresses	DNS name
1	DESKTOP-F4DVQP7	15 minutes ago	1614862656	-	Pending Restart	No	Windows 10 Pro	Server	10.134.137.54	00-50-56-a8-c...	DESKTOP-F4D...
2	WIN-JDDA7498JLF	17 minutes ago	1081543069	-	Pending Restart	No	Windows Serve...	Server	10.134.137.14	00-50-56-a8-a...	WIN-JDDA7498...
3	W2016-BOB2	40 minutes ago	9608874	-	Pending Restart	No	Win2016	Server	10.134.137.115	00-50-56-a8-3...	W2016-bob2
4	WIN-7C5QF7D16T2	6 hours ago	1617291107	-	Pending Restart	No	Windows Serve...	Server	10.134.133.55	00-50-56-a8-8...	WIN-7C5QF7D1...
5	DESKTOP-F4DVQP7	1 week ago	1622899167	-	Not Reported	No	Windows 10 Pro	Server	10.134.137.54	00-50-56-a8-c...	DESKTOP-F4D...
6	WIN-7C5QF7D16T2	2 weeks ago	1624118468	-	Not Reported	No	Windows Serve...	Server	10.134.133.55	00-50-56-a8-8...	WIN-7C5QF7D1...

- **Fixlets** - The **Fixlet** widget lists a subset of all fixlets that were included in the selected deployment. To see the full list of Fixlets, click **Show All**.

Fixlet

All Properties 

Name
2696547: Manage SMBv1 in Windows and Windows Server - Enable Workaround (Remove SMB v1 completely) - Windows 8.1 / Windows ...

ID	CVE(s)	Severity	Category
2-269654705	N/A	Unspecified	Workaround

Release date	Source	Source ID	Download size
May 15, 2017	Microsoft	KB2696547	[null]

Device Explorer

The Device Explorer app shows all of the devices connected to your BigFix account. BigFix currently supports adding up to 50,000 devices. The Device Explorer app presents these devices in a tabular format and allows detailed exploration of specific devices.

The data table contains multiple fields that empower users to see and explore all of the devices associated with their account. Note that a device will not appear in the Device Explorer table unless the BigFix agent is installed.

The data table contains the following information:

- Device Number - This is a BigFix-assigned value that represents the sequence in which the device was added to a user's BigFix account.
- Device Name - The local name of the device.
- Date and Time Device Last Seen - The time the device's agent was last able to connect to the BigFix service.
- Device ID - A unique identifier for the device.

- Device OS Family - The operating system running on the device, for example, Mac OS or Red Hat Linux.

- Operating System Installed on the Device - The specific version of the operating system installed on the device.

- Device Type - This indicates the type of device, such as a computer or server.
- Device IP Address - The IP address from which the device last connected to the BigFix service.

Based upon extensive user feedback, Device Explorer shows 100 devices and does not support pagination. This prevents users from endlessly scrolling through all the devices associated with their account.

BigFix customers, , can have thousands of devices associated with their account. The design focuses on filtering to enable customers to explore and select devices associated with their account.

To access the filter in the Device Explorer app, click the **Filter** button at the top left of the device table list. The filter panel will slide out from the right side of the screen. Various device properties, such as device name, operating system, and IP address, can be used to filter.

Once a device is deleted from Device Explorer, it will no longer send or receive data from BigFix. To resume using BigFix on that device, the BigFix agent must be reinstalled.

BigFix NOW

Home

Apps

Updated: Jun 05, 2024 12:41:13

Device Explorer

BigFix works well only when you add devices to it. The more devices are added to BigFix, the better it works! So go ahead and add your first device now.

[Add device](#)

18 Devices | 0 selected | [Delete](#)

No.	Device Name	Last Seen	ID	OS Family	Operating Systems	Device Type	IP Addresses
1	cf-rhel8-4	3 minutes ago	1085262422	Linux	Linux Red Hat Enterp...	Server	10.14.83.27, 192.168.1.
2	bigfix-explorer	4 minutes ago	550670418	Linux	Red Hat Enterprise Li...	Server	10.237.224.6
3	bigfix-relay-top-0	8 minutes ago	1087713712	Linux	Red Hat Enterprise Li...	Server	10.237.226.26
4	cf-ubuntu	9 minutes ago	1616546389	Linux	Linux Ubuntu 22.04...	Server	10.14.83.29
5	amzn-linux2-ga-2	9 minutes ago	1084903770	Linux	Linux Amazon 2	Server	10.134.137.191
6	amzn-linux2-ga	10 minutes ago	1613890571	Linux	Linux Amazon 2	Server	10.134.137.207
7	localhost.localdomain	10 minutes ago	1088239634	Linux	Linux Red Hat Enterp...	Server	10.134.134.92
8	bigfix-server	11 minutes ago	1617411552	Linux	Red Hat Enterprise Li...	Server	10.237.225.5
9	CINZIAWINCLOUD3	15 minutes ago	1080452223	Windows	Windows 10 Education	Server	10.14.75.172
10	W2016-BOB2	21 minutes ago	9608874	Windows	Win2016	Server	10.134.137.115

Clicking on a specific device in the data table takes users to the Device Details page which has extensive information about the selected device.

Device Details page

BigFix NOW

Home

Apps

Device Explorer

Updated: Jun 05, 2024 13:42:41

BigFix works well only when you add devices to it. The more devices are added to BigFix, the better it works! So go ahead and add your first device now.

Add device

18 Devices | 0 selected | Delete

No.	Device Name	Last Seen	ID	OS Family	Operating Systems	Device Type	IP Addresses
1	DESKTOP-F4DVQP7	6 minutes ago	1614862656	Windows	Windows 10 Pro	Server	10.134.137.54
2	bigfix-explorer	7 minutes ago	550670418	Linux	Red Hat Enterprise Li...	Server	10.237.224.6
3	cf-rhel8-4	8 minutes ago	1085262422	Linux	Linux Red Hat Enterp...	Server	10.14.83.27, 192.168.1...
4	cf-ubuntu	10 minutes ago	1616546389	Linux	Linux Ubuntu 22.04...	Server	10.14.83.29
5	CINZIAWINCLOUD3	10 minutes ago	1080452223	Windows	Windows 10 Education	Server	10.14.75.172
6	amzn-linux2-qa-2	10 minutes ago	1084903770	Linux	Linux Amazon 2	Server	10.134.137.191
7	bigfix-server	11 minutes ago	1617411552	Linux	Red Hat Enterprise Li...	Server	10.237.225.5
8	WIN-7C5QF7DI6T2	11 minutes ago	1617291107	Windows	Windows Server 202...	Server	10.134.133.55
9	bigfix-relay-top-0	11 minutes ago	1087713712	Linux	Red Hat Enterprise Li...	Server	10.237.226.26
10	amzn-linux2-qa	12 minutes ago	1613890571	Linux	Linux Amazon 2	Server	10.134.137.207

The Device Details Page provides detailed information about a device enrolled in a BigFix account. These details are especially useful for troubleshooting issues on specific devices by showing the device's location and its attributes.

To access the Device Details page, click on the name of a device in the data table on the Device Explorer page. Once loaded, the Device Details page displays several widgets that show properties unique to the selected device.

The screenshot displays the BigFix NOW interface for a specific device, `cf-rhel8-4`. The interface is organized into several key sections:

- Activity Feed:** Shows a list of recent activities, all of which are "MAG - Deployment with start on and end on setted (P11B)" or "MAG - Deployment with start on and end on times set (P8)" or "MAG - Deployment with start on and end on times set (P2)". Each activity is marked as "Scheduled" and includes a start time of "Dec 1, 2024 17:30".
- Applicable Fixlets:** A table listing 6 of 707 applicable fixlets. The table has columns for No., Name, ID, Relevant Devices, and Release Date.

No.	Name	ID	Relevant Devices	Release Date
1	BES Client Setting: Relay Selectio...	1-154	18	[null]
2	BES Client Setting: Enable Debug ...	1-157	18	[null]
3	BES Client Setting: Download Thro...	1-167	18	[null]
4	BES Client Setting: CPU Usage	1-168	18	[null]
5	BES Client Setting: Lock Computer	1-295	18	[null]
6	BES Client Setting: Remove Arbitr...	1-310	18	[null]
- Tags:** A search box with a dropdown menu showing a tag named "test_group_1".
- Properties:** A table of system properties for the device.

All Properties			
Search property name or value			
Device Name	Last Seen	ID	OS Family
cf-rhel8-4	16 minutes ago	1085262422	Linux
Operating System	Device Type	IP Addresses	Mac Addresses
Linux Red Hat Enterprise 8.7	Server	10.14.83.27; 192.168.122.1; 172...	02-42-29-11-46-ef; 02-42-5a-...
DNS Name	Active Directory Path	Type	Agent Version
cf-rhel8-4.dev.rome.prod.hclpn...	<none>	Native	11.0.1.104
BIOS	CPU	Computer Type	Free Space on System Drive
<n/a>	2300 MHz Xeon Gold 6140	Virtual	80070 MB
RAM	Relay	Subnet Address	Total Size of System Drive
31968 MB	34.16.119.88:52311	10.14.83.0,192.168.122.0,172.25...	87834 MB

From the top left, the Device Explorer page displays the following widgets:

- Activity Feed - This widget shows a chronological list of every BigFix action that has been performed on the device.

Activity Feed View All

RecentScheduledIn ProcessExpiredStopped

MAG - Deployment with start on and end on setted (P11B)

⌚ Scheduled

DT developer5 test-last-name
Start: Dec 1, 2024 17:30

MAG - Deployment with start on and end on setted (P11B)

⌚ Scheduled

DT developer5 test-last-name
Start: Dec 1, 2024 17:30

MAG - Deployment with start on and end on times set (P8)

⌚ Scheduled

DT developer5 test-last-name
Start: Dec 1, 2024 17:30

MAG - Deployment with start on and end on times set (P2)

⌚ Scheduled

DT developer5 test-last-name
Start: Dec 1, 2024 17:30

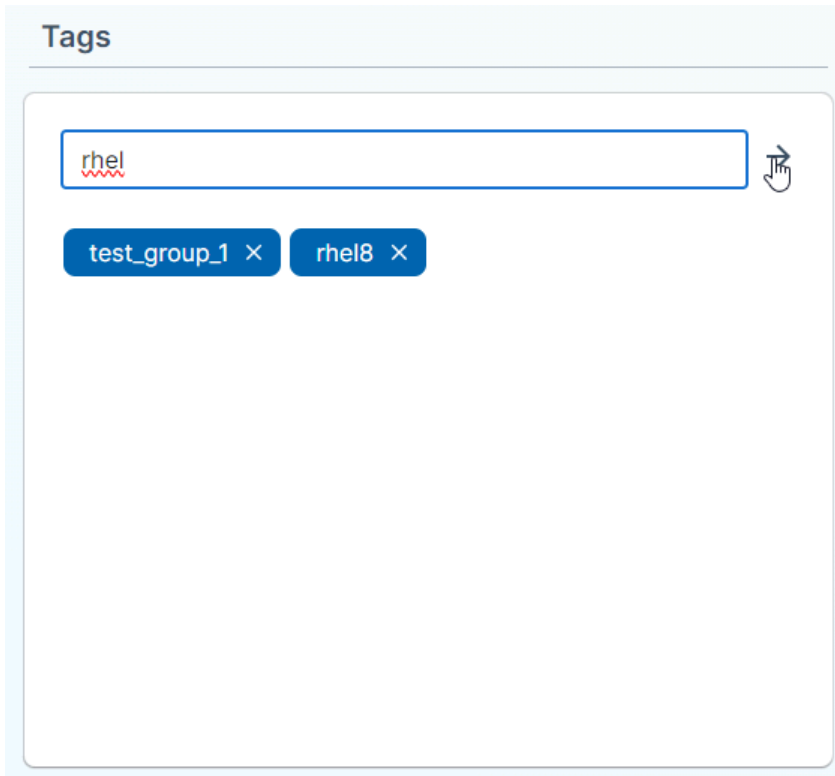
- Applicable Fixlets - This widget shows all of the fixlets that are relevant to the specific device.

Applicable Fixlets: (6 of 707 shown)				View All
No.	Name	ID	Relevant Devices	Release Date
1	BES Client Setting: Relay Selectio...	1-154	18	[null]
2	BES Client Setting: Enable Debug ...	1-157	18	[null]
3	BES Client Setting: Download Thro...	1-167	18	[null]
4	BES Client Setting: CPU Usage	1-168	18	[null]
5	BES Client Setting: Lock Computer	1-295	18	[null]
6	BES Client Setting: Remove Arbitr...	1-310	18	[null]

- Device Properties - This widget is available at the bottom of the page and displays properties of the device such as its operating system, MAC address, and device type. These properties cannot be edited by users.

Properties			
All Properties		<input type="text" value="Search property name or value"/> Q	
Device Name	Last Seen	ID	OS Family
cf-rhel8-4	16 minutes ago	1085262422	Linux
Operating System	Device Type	IP Addresses	Mac Addresses
Linux Red Hat Enterprise 8.7	Server	10.14.83.27; 192.168.122.1; 172.25.0.1	02-42-29-11-46-ef; 02-42-5a-...
DNS Name	Active Directory Path	Type	Agent Version
cf-rhel8-4.dev.rome.prod.hclpn...	<none>	Native	11.0.1.104
BIOS	CPU	Computer Type	Free Space on System Drive
<n/a>	2300 MHz Xeon Gold 6140	Virtual	80070 MB
RAM	Relay	Subnet Address	Total Size of System Drive
31968 MB	34.16.119.88:52311	10.14.83.0;192.168.122.0;172.25.0.1	87834 MB

- Tags - This widget is used for viewing existing tags associated with a particular device or you can create one by typing the tag name and pressing enter (or clicking the "arrow" icon).



Search and highlight specific property fields in the **Properties** widget using its search feature.

Properties

All Properties X 0/2 results ^ v

Device Name cf-rhel8-4	Last Seen 16 minutes ago	ID 1085262422	OS Family Linux
Operating System Linux Red Hat Enterprise 8.7	Device Type Server	IP Addresses 10.14.83.27; 192.168.122.1; 172....	Mac Addresses 02-42-29-11-46-ef; 02-42-5a-...
DNS Name cf-rhel8-4.dev.rome.prod.hclpn...	Active Directory Path <none>	Type Native	Agent Version 11.0.1104
BIOS <n/a>	CPU 2300 MHz Xeon Gold 6140	Computer Type Virtual	Free Space on System Drive 80070 MB
RAM 31968 MB	Relay 34.16.119.88:52311	Subnet Address 10.14.83.0,192.168.122.0,172.25....	Total Size of System Drive 87834 MB

Fixlet Explorer

BigFix NOW Updated: Jun 05, 2024 16:55:15

Home | Apps

Fixlet Explorer

BigFix works well only when you add devices to it. The more devices are added to BigFix, the better it works! So go ahead and add your first device now.

[Add device](#)

2263 Fixlets | 0 selected | [Deploy](#)

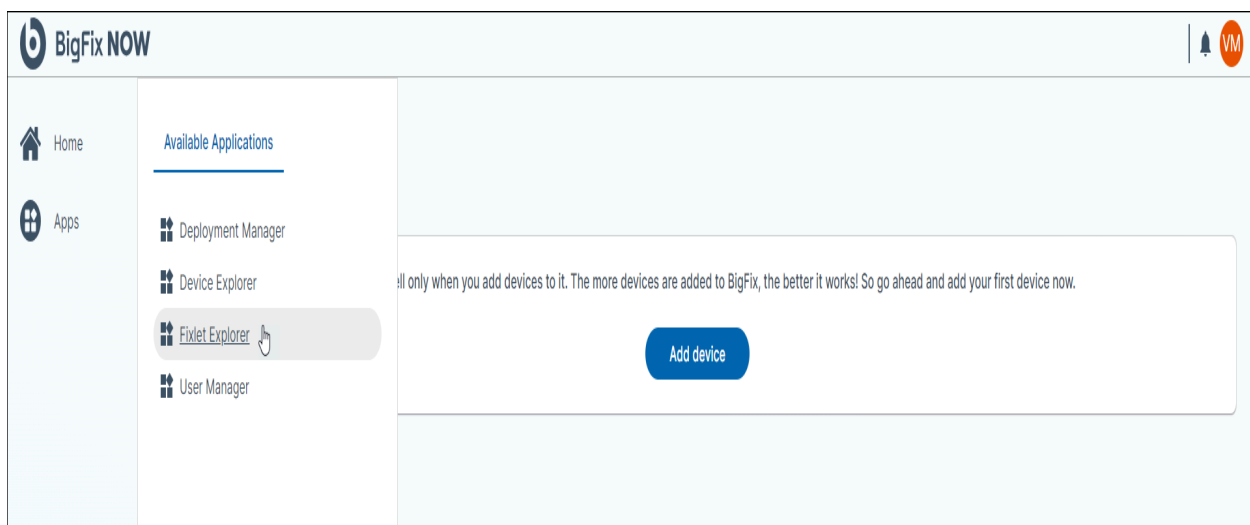
<input type="checkbox"/>	No.	Name	ID	Relevant Devices	CVE(s)	Severity	Category	Release Date
<input type="checkbox"/>	1	2696547: Manage SMBv1 in Windows and Wind...	2.269654707	1	N/A	Unspecified	Undo Workaround	May 15, 2017
<input type="checkbox"/>	2	2696547: Manage SMBv1 in Windows and Wind...	2.269654705	6	N/A	Unspecified	Workaround	May 15, 2017
<input type="checkbox"/>	3	2868725: Security advisory: Update for disablin...	2.286872515	2	N/A	Unspecified	Security Advisory	Nov 11, 2013
<input type="checkbox"/>	4	3125869: Vulnerability in Internet Explorer coul...	2.1512461	2	CVE-2015-6161	Important	Workaround	Dec 16, 2015
<input type="checkbox"/>	5	4052623: Update for Microsoft Defender antim...	2.405262303	1	Unspecified	Unspecified	Update	May 16, 2024
<input type="checkbox"/>	6	4054530: UPDATE: Microsoft .NET Framework ...	2.405453001	1	N/A	Unspecified	Update	Jun 01, 2018
<input type="checkbox"/>	7	4072698: Additional mitigation for Intel TSX Tra...	2.407269811	1	CVE-2019-11135; CV...	Unspecified	Security Advisory	Jan 04, 2018
<input type="checkbox"/>	8	4072698: Disable mitigations to help protect ag...	2.407269803	2	N/A	Unspecified	Undo Workaround	Jan 04, 2018
<input type="checkbox"/>	9	4072698: Enable mitigations for Intel TSX Trans...	2.407269810	1	CVE-2019-11135; CV...	Unspecified	Security Advisory	Jan 04, 2018
<input type="checkbox"/>	10	4072698: Enable mitigations for speculative ex...	2.407269817	1	CVE-2017-5715; CVE...	Unspecified	Security Advisory	Jan 04, 2018

BigFix's data/content is based upon fixlets. A fixlet is a set of instructions that the BigFix agent executes on an enrolled or on boarded device. Examples include updating installed software, remediating particular CVEs, or removing malware. These are only a very small sample of BigFix's capabilities. BigFix customers benefit from end-to-end security, protection, monitoring, and management delivered through this out of the box content.

Fixlets are lines of code that contain instructions to perform a set of actions on relevant devices. A fixlet will also define what those actions are and specify the criteria that determine whether those actions are relevant for a specific device.

After installation, BigFix agents continuously evaluate the relevance criteria on the enrolled device. It then determines whether a fixlet is relevant to that device, e.g., whether it is relevant or not.

To access the Fixlet Explorer app, click on Fixlet Explorer from the Application sidebar.



The first widget on the page is the "Add device" widget previously described.

When accessing the Fixlet Explorer application, a data table with 100 fixlets is displayed. Based on extensive user feedback, Fixlet Explorer shows only 100 fixlets and does not support pagination or endless scrolling.

There can be thousands of fixlets relevant to the devices associated with an account. The design focuses on filtering to enable customers to explore the fixlets relevant to their account and specific associated devices.

No.	Name	ID	Relevant Devices	CVE(s)	Severity	Category	Release Date
1	2696547: Manage SMBv1 in Windows and Wind...	2.269654707	1	N/A	Unspecified	Undo Workaround	May 15, 2017
2	2696547: Manage SMBv1 in Windows and Wind...	2.269654705	6	N/A	Unspecified	Workaround	May 15, 2017
3	2868725: Security advisory: Update for disablin...	2.286872515	2	N/A	Unspecified	Security Advisory	Nov 11, 2013
4	3125869: Vulnerability in Internet Explorer coul...	2.1512461	2	CVE-2015-6161	Important	Workaround	Dec 16, 2015

The Fixlet Explorer data table contains multiple columns. From left to right:

- The **Filter** icon brings up the filter sidebar. In this sidebar, users can narrow down the displayed fixlets using a variety of parameters.
- The total number of fixlets relevant to the devices enrolled in your account
- The number of fixlets that have been selected in the data table. The **Deploy** button brings up the deployment menu, which enables users to turn fixlets into deployments that will be run on relevant devices. Users must select fixlets by clicking the radio button next to the fixlet name in order to access the deployment menu.

By default, the Deploy button is disabled and can only be clicked when at least one fixlet is selected in the data table. For users whose local administrators have not granted deployment rights, the Deploy button may remain permanently disabled.

The Fixlet Explorer data table supports sorting by each column. To sort, move the cursor near the column header name and click. Clicking again will reverse the sorting order.

BigFix works well only when you add devices to it. The more devices are added to BigFix, the better it works! So go ahead and add your first device now.

[Add device](#)

2263 Fixlets | 0 selected | [Deploy](#)

No.	Name	ID	Relevant Devices	CVE(s)	Severity	Category	Release Date
1	2696547: Manage SMBv1 in Windows and Wind...	2.269654707	1	N/A	Unspecified	Undo Workaround	May 15, 2017
2	2696547: Manage SMBv1 in Windows and Wind...	2.269654705	6	N/A	Unspecified	Workaround	May 15, 2017
3	2868725: Security advisory: Update for disablin...	2.286872515	2	N/A	Unspecified	Security Advisory	Nov 11, 2013
4	3125869: Vulnerability in Internet Explorer coul...	2.1512461	2	CVE-2015-6161	Important	Workaround	Dec 16, 2015

The Fixlet Data table only shows a summary of the fixlet. Click on the fixlet name to bring up a more focused Fixlet Explorer page for that fixlet, which contains additional details about the fixlet.

Properties

All Properties X 0/2 results ^ v

Name	ID	CVE(s)
3125869: Vulnerability in Internet Explorer could lead to ASLR bypass - Enable the User32 Exception Handler Hardening Feature	2-1512461	CVE- 2015 -6161

Severity	Category	Release Date	Source	Source ID	Download Size
Important	Workaround	Dec 16, 2015	Microsoft	KB3125869	1217024

To learn more about the CVE(s) associated with a fixlet, click on the blue highlighted CVE number in the CVE column. This action will cause the CVE panel to slide out from the right side of the screen, providing additional information about the CVE.

BigFix works well only when you add devices to it. The more devices are added to BigFix, the better it works! So go ahead and add your first device now.

[Add device](#)

2263 Fixlets | 0 selected | [Deploy](#)

No.	Name	ID	Relevant Devices	CVE(s)	Severity
1	2696547: Manage SMBv1 in Windows and Wind...	2.269654707	1	N/A	Unspecified
2	2696547: Manage SMBv1 in Windows and Wind...	2.269654705	6	N/A	Unspecified
3	2868725: Security advisory: Update for disablin...	2.286872515	2	N/A	Unspecified
4	3125869: Vulnerability in Internet Explorer coul...	2.1512461	2	CVE-2015-6161	Important

CVE IDs

Fixlet
3125869: Vulnerability in Internet Explorer could lead to ASLR bypass - Enable the User32 Exception Handler Hardening Feature

Search for CVE ID

CVE-2015-6161

The Fixlet Explorer data table contains the following fields:

- No - A number out of one hundred. This helps the user navigate around the 100 fixlets displayed in the table prior to filtering.
- Name - The unique name for the fixlet.
- ID - The identity number associated with the fixlet.
- Relevant Devices - A count of the number of devices for which this specific fixlet is relevant in a user's account. Fixlets that are relevant to zero devices will not be displayed in the Fixlet Explorer data table.
- CVE(s) - A list of the relevant CVE(s) addressed by this particular fixlet.
- Severity - A measure of the severity of the issue(s) addressed by this fixlet.
- Category - A high-level summary of the type of action taken by the fixlet.
- Release Date - The date this fixlet was published by BigFix.
- Source - The author of the fixlet's content.
- Source ID - A unique ID associated with the fixlet's source.
- Download Size - The size of the fixlet that will be downloaded onto each device.

The Fixlet Explorer data table also supports sorting by each column. To do so, move your cursor near the column header name and click. This will sort the data table using the values in that column. Reverse sorting requires clicking again.

Fixlet Details page

The Fixlet Details page allows to drill down into specific information about a fixlet. These details can be especially useful when evaluating whether to deploy a particular fixlet, explore the specific relevance script, or understand more about the fixlet's origins.

To access the Fixlet Details page, click on the name of a fixlet in the data table. Once loaded, the Fixlet Details page has several widgets that display properties that are unique to the selected device.

- Activity Feed - This widget shows a chronological list of every deployment in which this fixlet has been included.

Activity Feed View All

Recent
Scheduled
In Process
Expired
Stopped

95 fixlet deployment VM [Redacted]

🕒 Expired Start: Jun 1, 2024 03:39

- Relevant Devices - This widget shows a selection of six device(s) for which this fixlet is relevant. As a given fixlet may be relevant to many more than six devices, clicking on View All will bring up a separate table that presents all of the devices for which the fixlet is relevant. This widget also displays information about the relevant devices, including their names, dates last seen, IDs, OS family, operating systems, device types, associated IP addresses, DNS name, and associated MAC addresses.

Relevant Devices: (2 of 2 shown)

No.	Name	Last Seen	ID	OS Family
1	DESKTOP-F4DVQP7	1 week ago	1622899167	Windows
2	WIN-7C5QF7DI6T2	2 weeks ago	1624118468	Windows

- Fixlet Properties - The Fixlet Properties widget is located in the center of the page. The Fixlet Properties widget displays properties associated with the fixlet, such as its severity, its author, and its release date.

Users can also search and highlight specific fields using the search feature included in the widget.

Properties

All Properties 2015 X 0/2 results ^ v

Name	ID	CVE(s)
3125869: Vulnerability in Internet Explorer could lead to ASLR bypass - Enable the User32 Exception Handler Hardening Feature	2-1512461	CVE-2015-6161

Severity	Category	Release Date	Source	Source ID	Download Size
Important	Workaround	Dec 16, 2015	Microsoft	KB3125869	1217024

- Relevance - Relevance is a scripting language used by BigFix to create fixlets. While it is not required to learn Relevance, understanding the relevance definitions and the criteria that the fixlet satisfies can be beneficial. Users can click **View All** in the widget's header to see the full Relevance query.

Relevance (3 of 4 shown)
[View All](#)

Relevance 1

```
(if( name of operating system starts with "Win" ) then platform id of operating system != 3 else false) AND (if exists property "in proxy agent context" then ( not in proxy agent context ) else true )
```

Relevance 2

```
not ia64 of operating system
```

Relevance 3

```
exists regapp "iexplore.exe" AND (it = "7" OR it = "8" OR it = "9" OR it = "10" OR it = "11") of version of regapp "iexplore.exe"
```

This widget presents the fixlet relevance code, allowing comprehension of the relevance definitions and criteria fulfilled by the fixlet. Clicking **View All** in this widget displays the entire relevant statement for the selected fixlet.

Updated: Jun 05, 2024 17:55:07

Home > Fixlet Explorer: Details > 2.1512461 - 3125869: Vulnerability in Internet Explorer could lead to ASLR bypass - Enable the ...

Relevance (4 of 4 shown)

Relevance 1

```
(if( name of operating system starts with "Win" ) then platform id of operating system != 3 else false) AND (if exists property "in proxy agent context" then ( not in proxy agent context ) else true )
```

Relevance 2

```
not ia64 of operating system
```

Relevance 3

```
exists regapp "iexplore.exe" AND (it = "7" OR it = "8" OR it = "9" OR it = "10" OR it = "11") of version of regapp "iexplore.exe"
```

Copy

Relevance 4

```
not exists keys "FEATURE_ALLOW_USER32_EXCEPTION_HANDLER_HARDENING" whose (exists value "iexplore.exe" of it AND value "iexplore.exe" of it as string as integer = 1) of keys "HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Internet Explorer\Main\FeatureControl" of (x32 registries; x64 registries)
```

- **Actions** - This widget displays the actions that the selected fixlet will execute when it is run on targeted, relevance devices. These actions are the actual commands that are run on the devices.



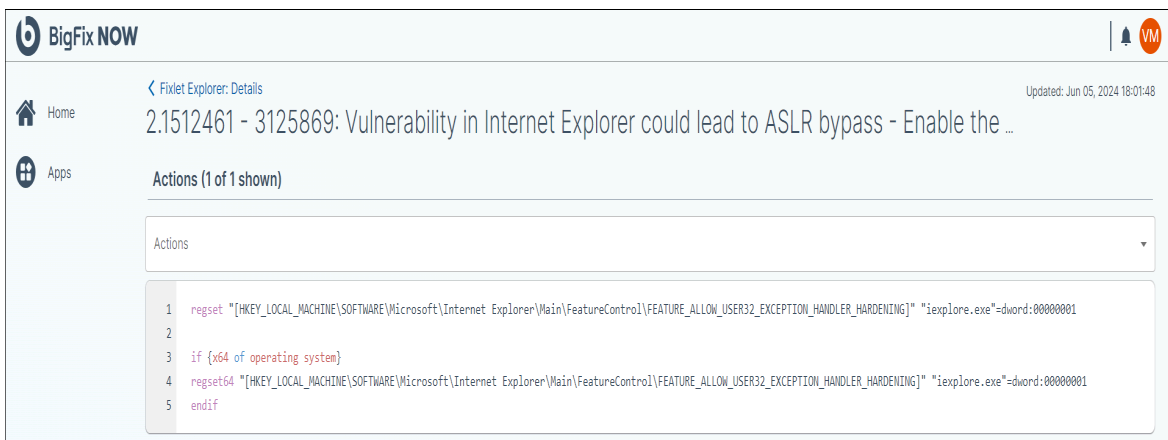
Actions (1 of 1 shown) [View All](#)

```

1  regset "[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Internet
    Explorer\Main\FeatureControl\FEATURE_ALLOW_USER32_EXCEPTION_HANDLER_HARDENING]"
    "iexplore.exe"=dword:00000001
2
3  if {x64 of operating system}
4  regset64 "[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Internet
    Explorer\Main\FeatureControl\FEATURE_ALLOW_USER32_EXCEPTION_HANDLER_HARDENING]"
    "iexplore.exe"=dword:00000001
5  endif

```

click **View All** in the widget's header to see the full Relevance query. As some fixlets contain multiple actions, these can be seen by selecting the Action drop down menu.



BigFix NOW VM

< Fixlet Explorer: Details Updated: Jun 05, 2024 18:01:48

2.1512461 - 3125869: Vulnerability in Internet Explorer could lead to ASLR bypass - Enable the ...

Home

Apps

Actions (1 of 1 shown)

Actions

```

1  regset "[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Internet Explorer\Main\FeatureControl\FEATURE_ALLOW_USER32_EXCEPTION_HANDLER_HARDENING]" "iexplore.exe"=dword:00000001
2
3  if {x64 of operating system}
4  regset64 "[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Internet Explorer\Main\FeatureControl\FEATURE_ALLOW_USER32_EXCEPTION_HANDLER_HARDENING]" "iexplore.exe"=dword:00000001
5  endif

```

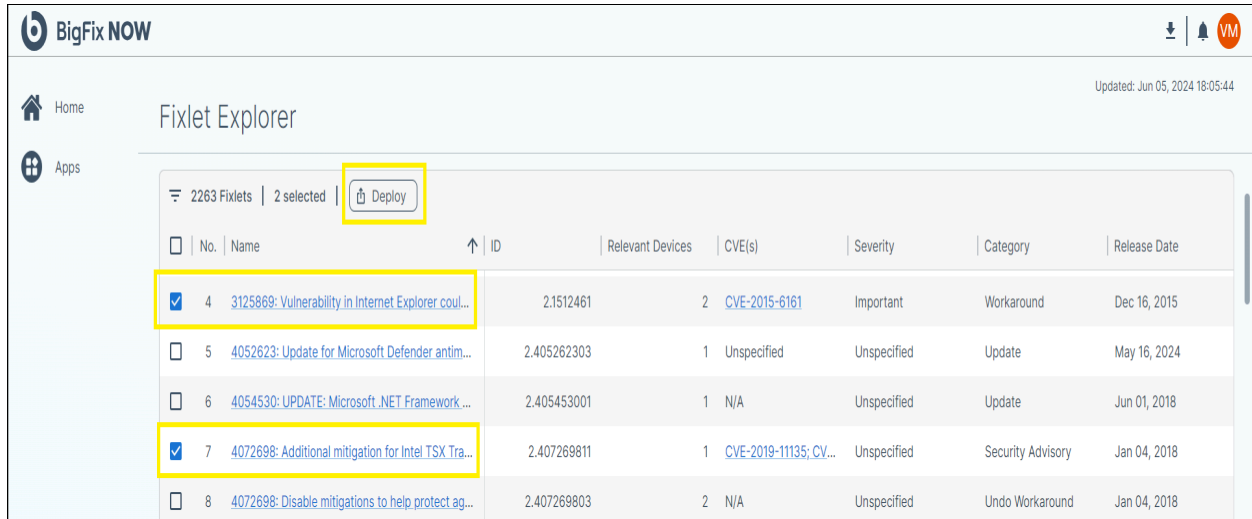
Deploying Fixlets

A fixlet comprises instructions executed by the BigFix agent on an enrolled device. At BigFix, the process of executing a fixlet is termed a "deployment." BigFix provides numerous customization opportunities for optimizing performance during fixlet deployment.

This section elaborates on using the Deploy Wizard within the Fixlet Explorer app. To access the deploy menu, navigate to Fixlet Explorer in the app menu.

By default, the Deploy Wizard is inactive. It becomes active once fixlets are selected in the data table. Multiple fixlets can be selected and combined into a single deployment.

After selecting at least one fixlet, the Deploy Wizard slides out from the right upon clicking the **Deploy** button. The wizard guides through creating a new deployment step by step.



The screenshot shows the BigFix NOW Fixlet Explorer interface. The top navigation bar includes the BigFix NOW logo, a home icon, and an 'Apps' menu. The main content area displays a table of fixlets. The table has columns for 'No.', 'Name', 'ID', 'Relevant Devices', 'CVE(s)', 'Severity', 'Category', and 'Release Date'. Two fixlets are selected, indicated by blue checkmarks in the first column. A yellow box highlights the 'Deploy' button in the top right corner of the table area. Another yellow box highlights the first and fourth rows of the table, which are selected.

No.	Name	ID	Relevant Devices	CVE(s)	Severity	Category	Release Date
<input checked="" type="checkbox"/>	4 3125869: Vulnerability in Internet Explorer coul...	2.1512461	2	CVE-2015-6161	Important	Workaround	Dec 16, 2015
<input type="checkbox"/>	5 4052623: Update for Microsoft Defender antim...	2.405262303	1	Unspecified	Unspecified	Update	May 16, 2024
<input type="checkbox"/>	6 4054530: UPDATE: Microsoft .NET Framework ...	2.405453001	1	N/A	Unspecified	Update	Jun 01, 2018
<input checked="" type="checkbox"/>	7 4072698: Additional mitigation for Intel TSX Tra...	2.407269811	1	CVE-2019-11135; CV...	Unspecified	Security Advisory	Jan 04, 2018
<input type="checkbox"/>	8 4072698: Disable mitigations to help protect ag...	2.407269803	2	N/A	Unspecified	Undo Workaround	Jan 04, 2018

- **Devices** - The first tab of the Deployment Wizard prompts the user to confirm the devices for the deployment. Choose to deploy to all applicable devices or utilize various filters to narrow down the deployment size. Since filtering is optional, it is possible to skip this step by clicking **Next**.

To access the filter menu, click the **Add Filter** button. BigFix supports three types of filtering: static, dynamic, and device list.

The screenshot shows the BigFix NOW interface. On the left, there's a navigation menu with 'Home' and 'Apps'. The main area is titled 'Fixlet Explorer' and shows a list of 2263 fixlets, with 2 selected. A 'Deploy' button is visible. The right side shows a 'Deploy' dialog with a progress bar and five steps: 1. Devices, 2. Actions, 3. Sequence, 4. Schedule, 5. Summary. The 'Devices' step is active, showing a message: 'Deploy 2 Fixlets to all 2 applicable devices' and an 'Add filter' button. At the bottom right, there's a summary bar: 'Deploy 2 Fixlets to all 2 applicable devices' with 'Cancel' and 'Next' buttons.

No.	Name	ID	Relevant Devices
4	3125869: Vulnerability in Internet Explorer coul...	2.1512461	2
5	4052623: Update for Microsoft Defender antim...	2.405262303	1
6	4054530: UPDATE: Microsoft .NET Framework ...	2.405453001	1
7	4072698: Additional mitigation for Intel TSX Tra...	2.407269811	1
8	4072698: Disable mitigations to help protect ag...	2.407269803	2
9	4072698: Enable mitigations for Intel TSX Trans...	2.407269810	1
10	4072698: Enable mitigations for speculative ex...	2.407269817	1
11	4072698: Enable mitigations to help protect ag...	2.407269808	1
12	4073119: Additional mitigation for Intel TSX Tra...	2.407311910	1
13	4073119: Disable mitigations to help protect ag...	2.407311903	1
14	4073119: Enable mitigations for Intel TSX Trans...	2.407311909	1
15	4073119: Enable mitigations to help protect aga...	2.407311906	1
16	5001092: Cumulative Update 17 for SQL Server...	2.500109201	1

- **Static Filter** - a static filter reduces the number of devices using information that is known about a device when the deployment is created. In the static filter tab, users must first select an attribute that they want to use to filter devices. Examples of attributes include computer type, BIOS, and Agent Version. , users specify the condition they require, such as contains, equals, or starts with. Finally, users input a value in free text that is used for purposes of filtering.

To add additional static filter groups, click **Add Group**.

Deploy ×

1 Devices
2 Actions
3 Sequence
4 Schedule
5 Summary

⚙️ Static filter
→ Dynamic filter
📄 Device list

↺ Reset

Static filters define a list of devices this deployment will be applied to, at deployment creation time. This list of devices will remain static for the duration of the deployment. Devices that match this filter after the deployment is created will not be added to this deployment. Devices that stop matching this filter after the deployment has been created will still apply this deployment.

Match Any

Match All

Attribute ▼

Condition ▼

Value

Add

[+ Add Group](#)

Deploy 2 Fixlets to 2 statically filtered devices

Cancel

Next

- **Dynamic Filter** - If static filtering subset a list of applicable devices at the time the deployment is created, dynamic filtering continuously evaluates whether a device is applicable as long as the deployment is active. When using dynamic filtering, the Deployment Wizard displays the number of applicable devices at that time. That number, , may go up if additional devices become eligible for the deployment.

Deploy ✕

1 Devices
 2 Actions
 3 Sequence
 4 Schedule
 5 Summary

👁️ Static filter
➔ Dynamic filter
📄 Device list

↻ Reset

Dynamic filters define a matching criteria for devices to evaluate continuously until the deployment ends. Any device that matches this filter after the deployment has been created, will have this deployment applied.

Match Any

Match All

Attribute ▼

Condition ▼

Value

Add

+ Add Group

Deploy 2 Fixlets to 2 dynamically filtered devices

Cancel

Next

In the dynamic filter tab, users must first select an attribute that they want to use to filter devices. Examples of attributes include computer type, BIOS, and Agent Version. Then, users specify the condition they require, such as contains, equals, or starts with. Finally, users input a value in free text that is used for purposes of filtering.

To add additional dynamic filter groups, click **Add Group**.

- **Device List** - This option allows users to input a fixed list of devices where the deployment will be applied. Devices can be identified using their name, DNS, and IP address.

Deploy ✕

1 Devices
 2 Actions
 3 Sequence
 4 Schedule
 5 Summary

⚙️ Static filter

➔ Dynamic filter

📄 Device list

↺ Reset

Device list filters explicitly define a list of devices to apply this deployment to. The devices can be identified by their name, dns, and/or ip address.

Copy device list here (1 device per line - limit: 1000) 🔍 Verify List

Device Name, Device ID, FQDN, and/or IP Address

Deploy 2 Fixlets to the listed device(s)

Cancel
Next

Regardless of how they are identified, each device must be in a separate row. A maximum of 1,000 devices can be added in a single device list. If users intend to target more than 1,000 devices using device lists for filtering, they must create separate deployments. Once the appropriate filters have been selected, or if no filter is needed, click **Next**.

- **Actions** - The next tab in the Deployment Wizard is actions. In this tab, users confirm the actions they want the fixlets they have selected to perform. This is important because not every fixlet has a single, default action. It is also possible to remove fixlets that do not have any actions that can be performed on the devices selected in the prior tab.

There are two different types of fixlets that may require attention before deployment:

Deploy ×

1 Devices
 2 Actions
 3 Sequence
 4 Schedule
 5 Summary

Click a Fixlet Set to review/update:

✗ Fixlets without a default action: 8 selected, 8 total, 8 require attention
→

✓ Fixlets with only a default action: 2 selected, 2 total
→

Deploy 10 Fixlets to 0 statically filtered devices

Back
Cancel
Next

- **Attention required** - requires input from the user to be able to deploy successfully. To aid with visual identification, attention required fixlets are highlighted in red in the Deployment Wizard. Some fixlets require attention because they cannot run without some input from the user, such as a password.
- **Attention recommended** - requires user input to select the action the fixlet should perform. To aid with visual identification, attention recommended fixlets are highlighted in orange in the Deployment Wizard. Some fixlets have multiple possible actions and users must select which action they wish for the deployment to perform. Users must select at least one action per fixlet.

After the user has provided the necessary information for all fixlets to run correctly, a green checkmark will appear and the highlighting will be removed.

Deploy ✕

1 Devices
2 Actions
3 Sequence
4 Schedule
5 Summary

Click a Fixlet Set to review/update:

✓ Fixlets without a default action: 0 selected, 8 total, 0 require attention →

✓ Fixlets with only a default action: 2 selected, 2 total →

Deploy 2 Fixlets to 0 statically filtered devices

Back
Cancel
Next

Until users provide the required information for all attention required and attention recommended fixlets, they cannot proceed with their deployment. Once this information is provided, click **Next** to proceed to the sequence tab.

- Sequence - Some deployments can affect many devices simultaneously. The sequence tab provides users with control over deployment timing, display of alerts indicating fixlet deployment availability for devices, and actions upon deployment completion. Note that selecting any of the provided options is not mandatory.

Deploy ×

1 Devices 2 Actions **3 Sequence** 4 Schedule 5 Summary

Order of Events (from top to bottom)

Start downloading immediately

Before running message

Notify user for , and then

Save all your work. Fixlet will begin deployment shortly.

Reboot/Restart devices on completion of deployment

On failure, retry times, and wait between attempts

Deploy 2 Fixlets to 0 statically filtered devices

The sequence tab has a number of radio buttons that users toggle on and off. They are presented as an order of events from top to bottom. The sequence order is as follows:

1. Start download immediately - Some fixlets can contain large files. This option allows users to control whether all applicable devices should begin downloading the fixlet as soon as the deployment is created.
2. Before running message - As a device may become unresponsive while a fixlet is being deployed, this gives users the option to display a warning for an amount of time before the fixlet is applied. This may also be useful if a restart is required, so end users can save work.
3. While running message - As a device may be unresponsive while a fixlet is being deployed, this allows users to write a message that will be displayed on the screen until the deployment is complete.
4. Reboot/restart device on deployment completion - This determines whether the device will be forced to restart after the deployment is complete.
5. On failure retry - Occasionally, deployments fail to complete successfully on a device. Should this occur, this allows users to determine if they would like BigFix to automatically try the deployment again. Users may also specify the maximum number of retries and the time interval between retry attempts.

After selecting the desired sequence, click **Next** to proceed to the schedule tab.

- Schedule - not required. Determining a deployment's start and end time gives BigFix users a tool to control their deployments. Typically, deployments do not happen immediately. Some devices may be powered down, or disconnected from the Internet, or otherwise unable to have the fixlet applied. Scheduling allows users to control how long BigFix will attempt this particular deployment.

There may be other reasons to control the end time. For example, an organization may wish to ensure that all deployments run overnight to minimize business impact.

Deploy ✕

1 Devices
2 Actions
3 Sequence
4 Schedule
5 Summary

Local: 05 Jun 2024 @ 18:38 UTC: 05 Jun 2024 @ 13:08 ↻ Reset

<input type="checkbox"/>	<small>Start Date</small> Jun 06, 2024 <input type="text"/>	at	<small>Start Time</small> 06:38 <input type="text"/>		<small>Timezone</small> Client <input type="text"/>
<input type="checkbox"/>	<small>End Date</small> Jun 08, 2024 <input type="text"/>	at	<small>End Time</small> 06:37 <input type="text"/>		<small>Timezone</small> Client <input type="text"/>

Deploy 2 Fixlets to 0 statically filtered devices

Back
Cancel
Next

The schedule tab has two options: **Start Time** and **End Time**. In the first, users select the calendar date and the start time for when BigFix will begin attempting to apply the deployment. Users may also select if they want to use client time (e.g., the time zone where the device is located) or UTC.

In the second, users select the calendar date and the start time for when BigFix will stop attempting to apply the deployment. Users may also select if they want to use client time (e.g., the time zone where the device is located) or UTC.

If no scheduling option is selected, BigFix will begin the deployment immediately. After selecting the desired schedule, click **Next** to proceed to the summary tab.

- Summary - The summary tab shows all of the choices made related to the deployment created. This allows to review all of the things the deployment will do in one location. It is also required to input a name for the deployment on the summary page.

Deploy ×

1 Devices 2 Actions 3 Sequence 4 Schedule **5 Summary**

Deployment Name

The 1 applicable device will be explicitly targeted

1 Fixlet will be included in this deployment

Start Date/Time has not been set, will begin immediately

Before deployment begins:

- Begin downloads after deployment starts
- No retries on failure
- One-Time deployment

Messages:

- No before running message
- No while running message

Fixlet deployment sequence:

Deploy 1 Fixlet to the 1 applicable device

After reviewing your selections, click **Deploy**.

Chapter 4. Guides in PDF format

This section contains links to PDF versions of all the BigFix SaaS product guides.

BigFix SaaS guides

[BigFix SaaS User Guide](#)