

**BigFix Compliance
Security Configuration Management
(SCM) App in WebUI User Guide**



Special notice

Before using this information and the product it supports, read the information in [Notices](#) (on page 57).

Edition notice

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

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Chapter 1. Welcome to the SCM App in WebUI

Security Configuration Management (SCM) is a collection of checks and checklists that organizations can use to configure devices and ensure that the devices meet compliance standards.

SCM App in WebUI utilizes the new WebUI design to provide a streamlined workflow for better user experience in managing devices in a BigFix network. With the SCM App, operators can manage the security configuration of the devices with the help of benchmarks such as CIS, DISA STIG, FDCC, PCI DSS, USGCB, and custom checklists.

With SCM App checks and checklists, security teams can define the security parameters and configurations that corporate policies require. It also helps the operators assess and manage device configurations through checks, checklists, synchronization and provides remediation action if devices do not meet compliance standards. Operators focus on the detailed day-to-day configuration management of all devices.

Chapter 2. What's new in SCM App in WebUI

This topic provides information about the new features and updates in SCM App in WebUI.

What's new in v1.1.0

The SCM App in WebUI includes the following features:

- **Landing page:** Implementation of data grid for custom and external checklists in the SCM App landing page allows you to view, search, and sort checklists based on various properties such as No. of checks, created, updated, subscribed device count, platform, and status.
- **Create:** You can create both custom checklist and check using the **Create** drop-down in the landing page.
- **Compliance check creation wizard:** This wizard allows you to create checks using **SCM relevance** and **Unix content** method.
- **Inline reports:** SCM App leverages the **Inline reports** feature available in BigFix WebUI and generates a donut chart and bar graphs for the selected custom or external checklist. These chart and graph provide an overall status of the checklist by assessing the available checks in both custom or external checklist. For more information, see [Viewing a custom checklist \(on page 11\)](#) and [Viewing an external checklist \(on page 43\)](#).
- **Checklist details page:** Added four new columns in the contents tab of custom checklist details page and external checklist details page. The new columns are **deployment percentage**, **undeployed device count**, **compliance percentage**, and **non-compliant devices count** which also contributes to inline reporting. Additionally, **Content ID** column is added in the external checklist details page. For more information on Inline reporting, see [Inline reports \(on page 52\)](#).
- **Export:** This feature allows you to customize and download the custom or external checklist reports in **.csv**, **.xlsx**, and **.pdf** formats. For more information, see [Exporting report \(on page 50\)](#).
- **Show/Hide summary:** This feature allows you to display and hide the inline reports for both custom and external checklist.

- **Modifying checks:** You can edit or delete a custom copy of a check or the checks which are created and added to the custom checklist. Also, you can add multiple relevance and remediation script when you edit the check. For more information, see [Editing a custom check \(on page 38\)](#).

Features added in previous version

The following updates were released with SCM App in WebUI v1.0.0:

- **Landing page:** Shows all the available custom and external checklist with details such as number of checks, updated information, number of subscribed devices, status of checklist (out of sync or new or refreshed) and site information in a tile or list view.
- **Data Grid:** By implementing a data grid in SCM App, you can quickly view the checks in a tabular format and use the features such as filter, search, and sort to find checks quickly. For more information on the data grid, see [Grid View](#).
- **Create Custom Checklists:** Create checklist by using **multiple external checklists** that result in managing a large category of devices.
- **Custom Checklist Affected:** Lists all the custom checklist that are affected by the external checklist.
- **New and Refreshed External checklists:** Representation of newly published or refreshed external checklists with icons.
- **Deployment Summary:** Quick access to other WebUI apps such as Devices and Deployments from SCM App.

Chapter 3. System requirements

SCM App in WebUI requires certain system requirements to work in your environment, this topic provides the necessary information to use SCM App.

You must meet the following requirements to use SCM App:

- Ensure that you have any one of the BigFix Compliance licenses:
 - Security and Compliance
 - Security and Compliance POC
 - Starter Kit for Security and Compliance
 - Starter Kit for Security and Compliance POC
- Enable the required SCM (external) sites from the **License Overview** dashboard in BigFix Console. For more information on how to enable SCM sites, see [Subscribing with the Licensing Dashboard](#).
- Subscribe to SCM reporting in BigFix Console. For more information on how to subscribe to SCM reporting, see [Subscribing to the SCM reporting site](#).
- Devices must be subscribed to the site to collect data from BigFix clients. This data is used for reporting and analysis. The process of site subscription depends on the BigFix console version that you installed. For more information, see the [BigFix Configuration Guide](#).
- Enable JavaScript in the browser. For instruction on how to enable JavaScript visit <https://support.google.com/admanager/answer/12654?hl=en>.
- You must have a Master Operator (MO) access to create custom checklists in SCM App.

The following tables lists the supported browser, BigFix components and operating systems:



Note: Currently, SCM App do not support synchronization feature in Linux-based operating systems.

Table 1. Supported browser and components

Components	Requirements
Supported browsers	<ul style="list-style-type: none">• Google Chrome v93.0 or later• Microsoft Edge v93.0 or later• Mozilla Firefox v92.0 or later• Safari v13.x or later
BigFix component versions	<ul style="list-style-type: none">• Agent v9.5 or later• Console v9.5 or later• Platform v9.5 or later• Server v9.5 or later• WebUI v9.5 or later

Chapter 4. Supported benchmarks

BigFix Compliance SCM provides checklists that are created based on the following security configuration benchmarks:

Center for Internet Security (CIS)

The CIS guidelines recommend technical control rules and values that apply to network devices, operating systems, software applications, and middleware applications. The CIS guidelines are consensus-based and are used by the US government and businesses in various industries.

The CIS guidelines are distributed for free in PDF files and are also available in Extensible Configuration Checklist Description Format (XCCDF) for CIS Security Benchmark members. XCCDF is an XML-based language that is used for benchmark assessment tools and custom scripts.

For more information about CIS, see <https://www.cisecurity.org/cis-benchmarks/>.

Defense Information System Agency (DISA) Security Technical Implementation Guidelines (STIG)

The DISA STIG provides recommendations for secure installation, configuration, and maintenance of software, hardware, and information systems. The DISA STIG is one of the bases of configuration standards that the US government uses.

For more information about the DISA STIG, see <https://public.cyber.mil/stigs/>.

Payment Card Industry Data Security Standard (PCI DSS)

The PCI DSS is a baseline of technical and organizational requirements that are related to the Payment Card Industry.

You must establish a secure payments environment throughout your organization to achieve PCI DSS compliance. SCM enforces security configurations for devices and servers in your organization, and it can help your organization protect devices to meet security compliance for PCI DSS.

By complying with PCI DSS standards, you help ensure that cardholder data and sensitive authentication data are secure and well protected from malicious users and attacks.

PCI DSS applies to all entities that are involved in payment card processing and requires continuous compliance with the security standards and best practices that the PCI Security Standards Council sets.

For more information about PCI DSS, see the PCI Security Standards Council resources:

- www.pcisecuritystandards.org/security_standards/
- [Payment Card Industry Data Security Standard \(PCI DSS\) User's Guide](#)

Federal Desktop Core Configuration (FDCC)

The FDCC is a set of security settings that the National Institute of Standards and Technology (NIST) recommended. FDCC was replaced by the United States Government Configuration Baseline (USGCB).

United States Government Configuration Baseline (USGCB)

The USGCB provides guidance for the security configuration of Information Technology products that US government federal agencies deploy. USGCB addresses the following platforms Microsoft Windows 7, Windows 7 Firewall, Windows Vista, Windows Vista Firewall, Windows XP, Windows XP Firewall, Internet Explorer 7, Internet Explorer 8, and Red Hat Enterprise Linux 5.

USGBC replaced the Federal Desktop Core Configuration (FDCC).

For more information about USGCB, see <http://usgcb.nist.gov/>.

Chapter 5. SCM App in WebUI: Overview

The SCM App landing page lists all the custom and external checklists that are used to manage devices.

To navigate to the SCM App, log in to the **WebUI** and select **SCM** from the **Apps** menu.


Figure 1. SCM App in WebUI: Overview

Checklist Name	No. of checks	Created	Updated	Subscribed ...	Platform	Status
DISAWindows2016-complianceReport	220	DISAWindows201...	DISAWindows201...	3	All Other	<none>
CIS MSSQL Server 2019	44	CIS MSSQL Server ...	CIS MSSQL Server ...	3	MS SQL Server 2019	Out of Sync
MSSQL2019_Console	39	MSSQL2019_Cons...	MSSQL2019_Cons...	3	MS SQL Server 2019	<none>
DISA STIG Checklist Windows2016	211	DISA STIG Checkli...	DISA STIG Checkli...	0	All Other	<none>
CIS Windows 10	425	CIS Windows 10	CIS Windows 10	0	All Other	<none>
DISA Windows 10	229	DISA Windows 10	DISA Windows 10	3	All Other	<none>
CIS Checklist for Windows 2016	339	CIS Checklist for ...	CIS Checklist for ...	3	All Other	Out of Sync
CIS.MS.SQL_Server.2016	43	CIS.MS.SQL_Server...	CIS.MS.SQL_Server...	3	MS SQL Server 2016	Out of Sync

The SCM App landing page contains the following elements:

- **Custom checklists:** This tab lists all the available custom checklists which are created by Master Operators (MO). The number in the parentheses indicates the number of available custom checklists. On top of the data grid you have number of available custom content and pagination feature to navigate.

Each column in the custom checklists tab contains the following information:

- **Checklist Name:** Shows the name of the custom checklist, a **out of sync**  icon appears when the custom checklist has to be synced with its source (external checklist).
- **No. of checks:** Shows the total number of checks in the custom checklist.
- **Created:** Shows the date of checklist creation.
- **Updated:** Shows the date of the last update of the custom checklist.

- **Subscribed Device:** Shows the number of devices that are subscribed to the custom checklist.
- **Search or Filter and Sort:** Every column gives an option to search or filter, you can view the newest updated checklist first or the oldest updated checklist first using the sort icon the column header.



Note: It is recommended to create a custom checklist based on an external checklist and deploy a custom checklist to applicable devices. For more information on creating and deploying custom checklist, see [Creating a custom checklist \(on page 16\)](#) and [Deploying a custom checklist \(on page 20\)](#).

- **External checklists:** This tab lists all external checklists that are implemented by the BigFix Compliance team based on benchmarks such as CIS, DISA STIG, FDCC, PCI DSS, and USGCB. Use these checklists to create custom checklists. The number in the parentheses indicates the number of available external checklists. On top of the data grid you have number of available custom content and pagination feature to navigate.

Figure 2. External checklist

Checklist Name	No. of checks	Created	Updated	Benchmark versi...	Platform	Benchmark	Status
DISA STIG Checklist for Windows 2008 R2 MS	262	04/26/2019	10/25/2019	<none>	All Other	DISA	<none>
DISA STIG Checklist for Windows 2012 MS	284	03/05/2021	06/30/2021	<none>	All Other	DISA	<none>
CIS Checklist for Windows 10	425	07/12/2021	12/24/2021	<none>	All Other	CIS	<none>
DISA Checklist for Windows 10	229	04/08/2022	07/22/2022	<none>	All Other	DISA	<none>
CIS Checklist for CentOS Linux 6	196	01/30/2017	06/22/2020	<none>	All Other	CIS	<none>
CIS Checklist for Mac OS X 10.12	80	11/04/2016	04/24/2019	<none>	OSX 10.12	CIS	<none>
CIS Checklist for Windows 2016 DC	351	07/12/2021	08/12/2022	<none>	All Other	CIS	<none>
CIS Checklist for Windows 2016 MS	354	07/12/2021	08/12/2022	<none>	All Other	CIS	<none>

Each column in the custom checklists tab contains the following information:

- **Checklist Name:** Shows the name of an external checklist.

Different icons display the status of the checklist:

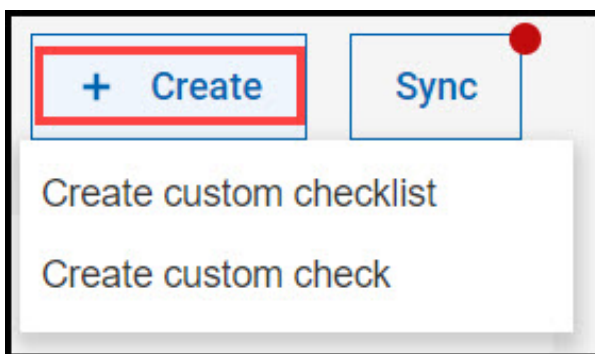
New 

Appears when an external checklist is newly published in last 7 days.

Refreshed 

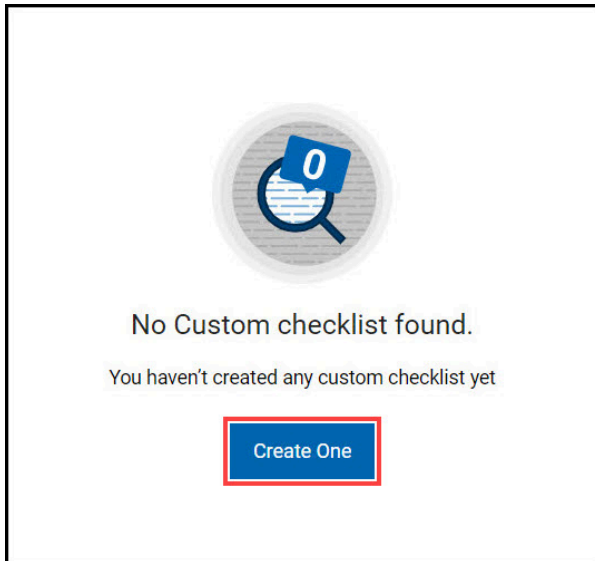
Appears when an external checklist is updated (refreshed) in last 7 days.

- **No. of checks:** Shows the total number of checks in an external checklist.
 - **Created:** Shows the date of checklist creation.
 - **Updated:** Shows the date of the last update of the custom checklist.
 - **Benchmark:** Shows the version details of the benchmark.
 - **Search or Filter and Sort:** Every column gives an option to search or filter, you can view the newest updated checklist first or the oldest updated checklist first using the sort icon the column header.
- **Create:** Operator uses **Create** function to create Custom checklists and Custom checks. For more information, see [Creating custom checklist \(on page 16\)](#), [Creating a custom check using relevance \(on page 31\)](#), and [Creating a custom check using Unix content \(on page 35\)](#).



Note: **Create** function will be disabled for Non-Master Operators (NMOs) if access to custom content is set as "No" in BigFix console.

When you log in to SCM App for the first time or you do not have any custom checklist created, you are prompted with the following screen:



You can create a custom checklist by clicking **Create One** or **Create**.

- **Sync:** Sync function allows operators to synchronize checklists. For more information, see [Synchronizing custom checklist \(on page 25\)](#).

Custom checklist

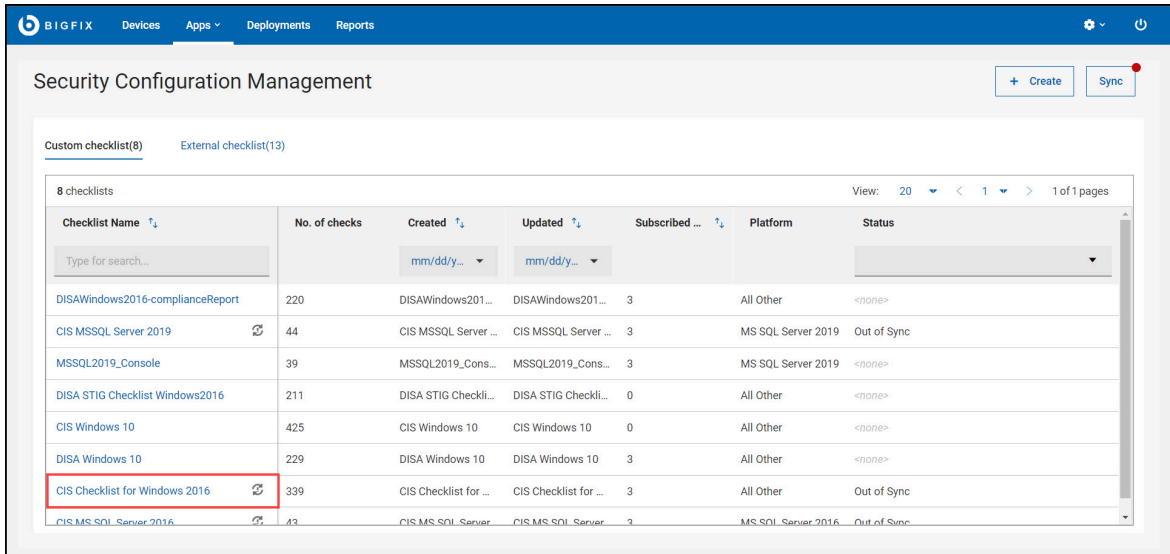
A custom checklist is a modified version or a copy of an external checklist. These checklists are created by using one or more external checklists. With custom checklists, Master Operators (MO) can exclude certain checks from an external checklist and deploy those checklists to any device.

Viewing a custom checklist

Understand how to view a custom checklist and its overview.

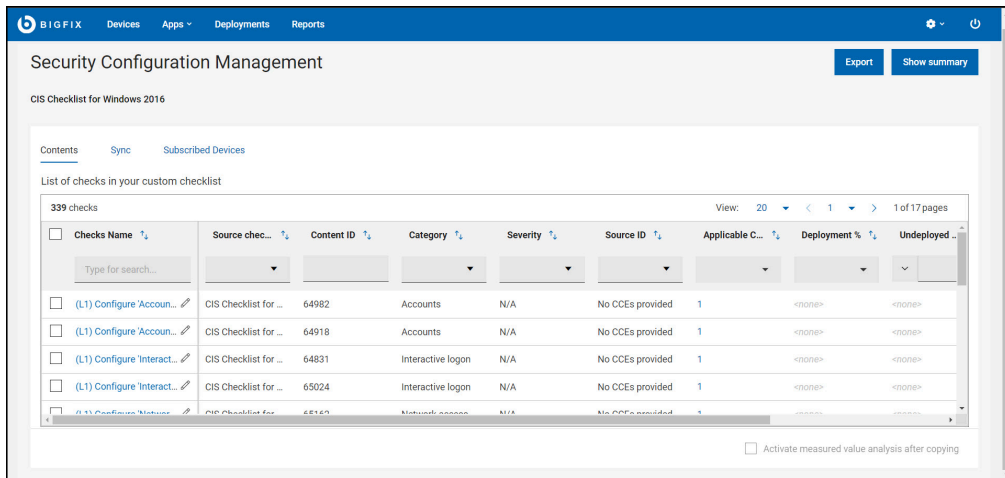
Perform the following steps to view a custom checklist:

1. Navigate to the SCM App landing page and click **Custom checklist**.



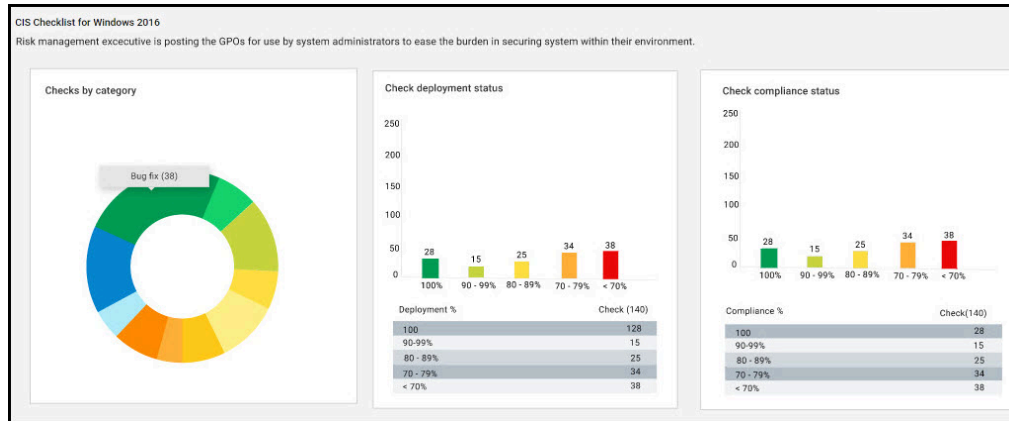
You are directed to the custom checklist details page which contains the **Contents**, **Sync**, and **Subscribed devices** tabs that provides information about the selected custom checklist.

Figure 3. Custom checklist details page



The custom checklist page contains the following elements:

- **Export:** Use this feature to download reports of an individual custom checklist. For more information, see [Exporting report \(on page 50\)](#).
- **Show/Hide summary:** Use this feature to display or hide the inline reports.
 - **Inline reports:**



Donut chart and bar graphs, such as **checks by category**, **check deployment status**, and **check compliance status** shows the status of the selected custom checklist. These chart and graphs are updated dynamically when you apply filters in contents tab. You can also click on any of the chart or graphs to see information related to specific set of checks.

Inline reports chart and graphs:

- **Checks by category:** The checks are grouped together based on the custom site they belong to. For example, account management, password policies, auditing and network security are the few category of checks.
- **Check deployment status:** This graph is generated based on the deployment percentage checks.
- **Check compliance status:** This graph is generated based on the compliance percentage of the checks.

For more information, see [Inline reports \(on page 52\)](#).

- **Custom checklist tabs:** The checks in the **Contents** and **Sync** tabs are represented in a data grid format. Each column has a search or filter option, which you can use to find checks by entering text or a keyword. The pagination

allows you to navigate between pages. Use the checkbox in each row to select the required checks or select all the checks using the checkbox available in header section of **Checks Name** column. To view only the checks that you have selected, use **View Selected only**. To know more about data grid, see [Grid view](#).





Note: On the lower-right corner, the checkbox represents if **Activate measured value analysis after copying** option is checked or unchecked for the custom checklist. For more information on activate measured value analysis after copying, see [Measured value analysis \(on page 19\)](#).


- **Contents:** This tab contains all the available checks in a custom checklist. You can select one or more checks and deploy them to the target devices by clicking **deploy**. For more information on deploying custom content, see [Deploying a custom checklist \(on page 20\)](#).

Checks Name	Source check	Content ID	Category	Severity	Source ID
(L1) Ensure 'Act as part of the operating system' is set to 'No One'	CIS Checklist for ...	64861	User Rights Assign...	N/A	No CCEs provided
(L1) Ensure 'Adjust memory quotas for a process' is set to 'Administrators, LOCAL S...	CIS Checklist for ...	64817	User Rights Assign...	N/A	No CCEs provided
(L1) Ensure 'Allow Basic authentication' is set to 'Disabled' (A)	CIS Checklist for ...	65135	WinRM Client	N/A	No CCEs provided
(L1) Ensure 'Allow Basic authentication' is set to 'Disabled' (B)	CIS Checklist for ...	64805	WinRM Service	N/A	No CCEs provided

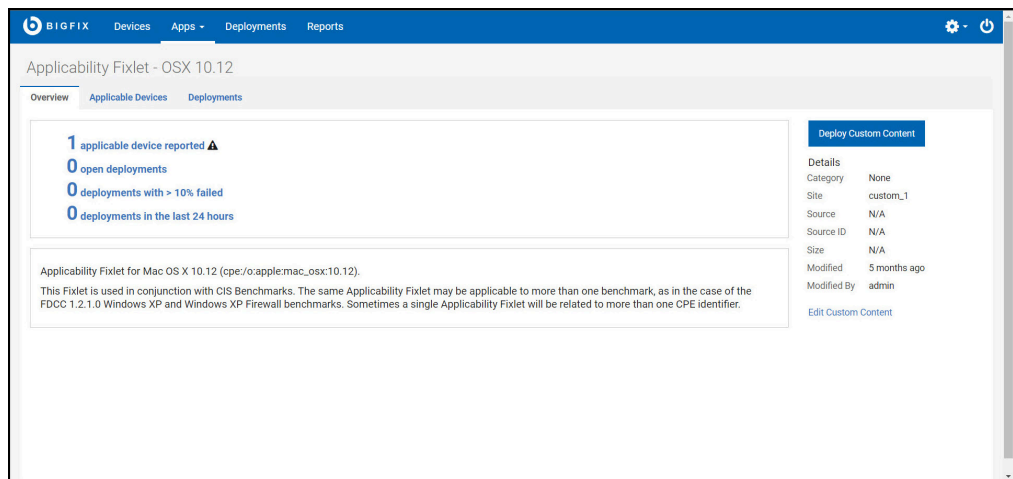
You can modify the parameters used in determining the compliance of

checks. Use **Edit parameter**  icon to customize the checks. Similarly,

use **Edit check**  edit the contents of the check. For more information, see [Modifying check parameters \(on page 28\)](#) and [Editing a custom check \(on page 38\)](#).

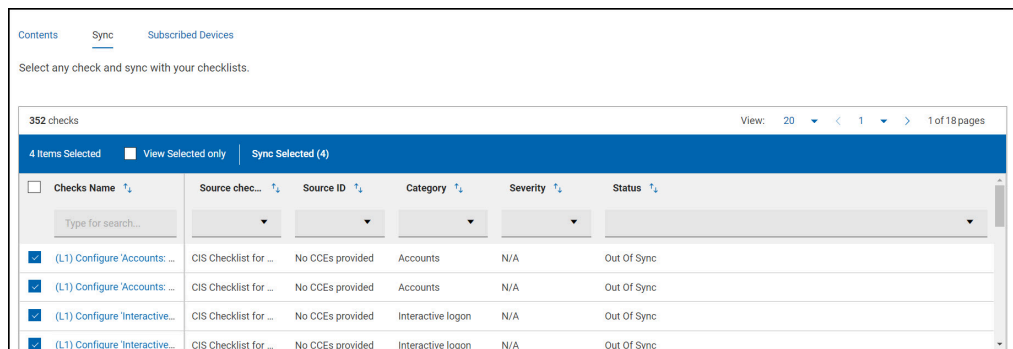
When a new check is created and added to a custom checklist, it is indicated by a  icon and it is categorized as **Custom** under source checklist column.

You can view the details of the check by clicking any of the available checks. The details page contains Overview, Applicable Devices and Deployment sections.



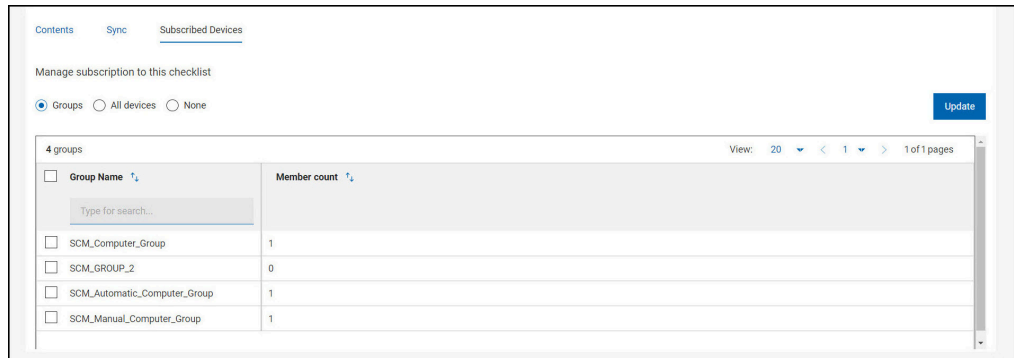
The screenshot shows the 'Applicability Fixlet - OS X 10.12' page in the BIGFIX web interface. The page has a blue header with navigation tabs: Devices, Apps, Deployments, and Reports. Below the header, there are tabs for Overview, Applicable Devices, and Deployments. A summary box on the left shows: 1 applicable device reported (with a warning triangle), 0 open deployments, 0 deployments with > 10% failed, and 0 deployments in the last 24 hours. A 'Deploy Custom Content' button is located to the right of this summary. Below the summary is a text box describing the fixlet: 'Applicability Fixlet for Mac OS X 10.12 (cpe:/o:apple:mac_osx:10.12). This Fixlet is used in conjunction with CIS Benchmarks. The same Applicability Fixlet may be applicable to more than one benchmark, as in the case of the FDCC 1.2.1.0 Windows XP and Windows XP Firewall benchmarks. Sometimes a single Applicability Fixlet will be related to more than one CPE identifier.' On the right side, a 'Details' sidebar lists: Category: None, Site: custom_1, Source: N/A, Source ID: N/A, Size: N/A, Modified: 5 months ago, Modified By: admin, and an 'Edit Custom Content' link.

- **Sync:** This tab contains the list of checks to be synced with the source checklist (external checklist). You can select one or more checks (Out of Sync checks) and sync them with the source checklist by clicking **Sync Selected**. For more information on synchronization, see [Synchronizing custom checklist \(on page 25\)](#).



The screenshot shows the 'Sync' tab in the BIGFIX web interface. At the top, there are tabs for Contents, Sync, and Subscribed Devices. Below the tabs, it says 'Select any check and sync with your checklists.' A table header shows '352 checks' and 'View: 20' with navigation arrows. Below the header, there is a blue bar with '4 Items Selected', 'View Selected only', and 'Sync Selected (4)'. The table has columns: Checks Name, Source check, Source ID, Category, Severity, and Status. The first four rows are selected (checked boxes) and all have a status of 'Out Of Sync'. The first row is '(L1) Configure 'Accounts: ...', the second is '(L1) Configure 'Accounts: ...', the third is '(L1) Configure 'Interactive...', and the fourth is '(L1) Configure 'Interactive...'. The source check for all is 'CIS Checklist for ...', source ID is 'No CCEs provided', category is 'Accounts' or 'Interactive logon', and severity is 'N/A'.

- **Subscribed Devices:** This tab contains all the available devices that a custom checklist can be applied to. You have **Groups**, **All devices**, and **None** options to apply the checklist.



- **Groups:** This list contains available device groups in SCM. You can apply the checklist to one or more groups.
- **All devices:** Checklist is applied to all the devices in SCM.
- **None:** Checklist is applied to any device.

A success message is displayed after applying the checklist to any selected groups or all devices.

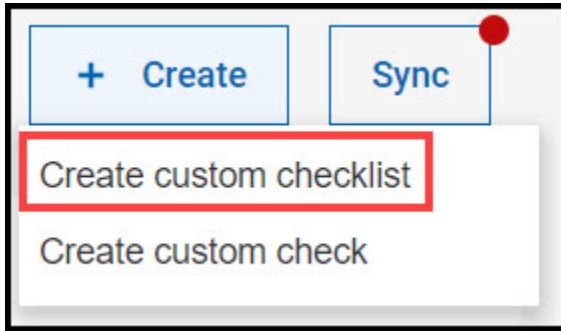
Creating a custom checklist

This task helps you in creating a custom checklist from one or more external checklist.

1. You must be subscribed to SCM Reporting.
2. You must have Master Operator (MO) access to create custom checklist.

Perform the following steps to create a custom checklist:

1. Navigate to the SCM App landing page and click **Create > Create custom checklist**.

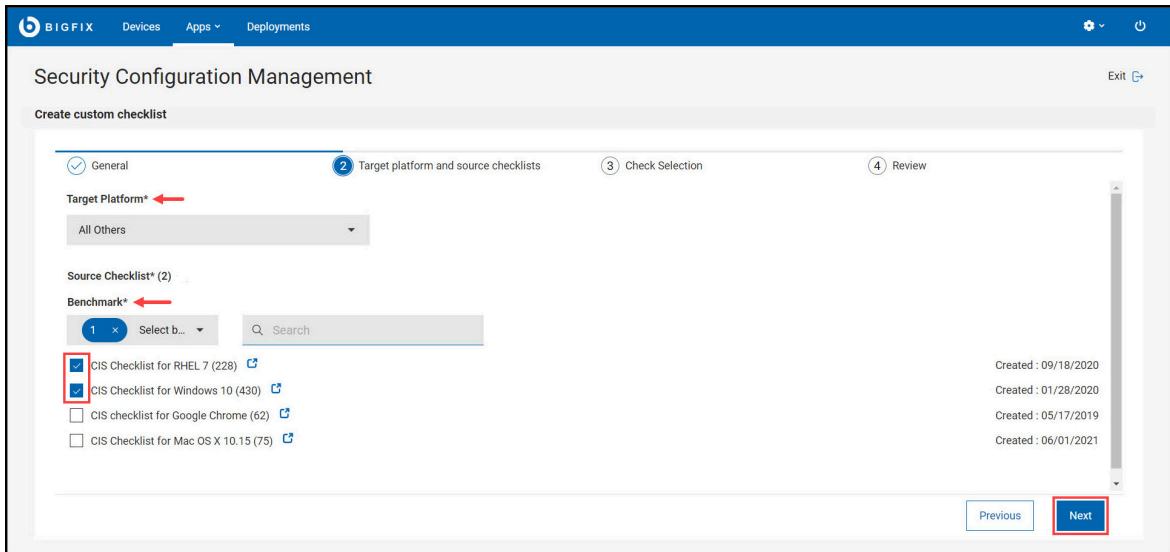


2. Enter the **Name** and **Description** of the new checklist and click **Next**.



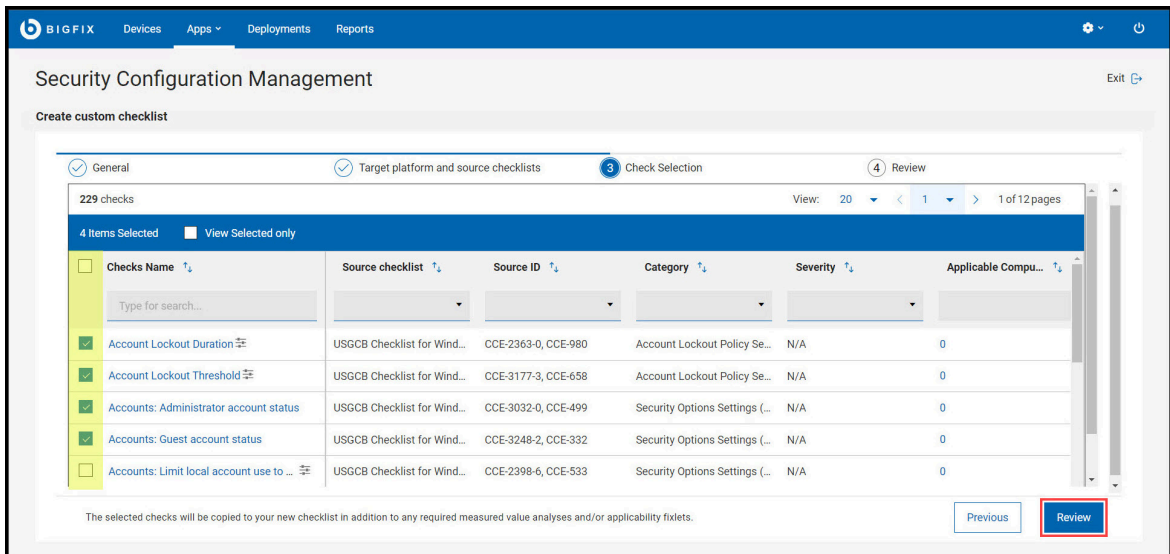
Important: The **Name** field has text validation enabled. It notifies you when an existing checklist name is used. In the Description field, you can add information related to the custom checklist. You cannot use characters such as double quotation, tabs, and new lines or carriage returns in either fields.

3. Select the **Target Platform**, **Benchmark** from the drop-down, select the **Checklist**, and click **Next**.




Note: The benchmarks in the **Source Checklist** entries vary with the **Target Platform** selection. Each target platform has different benchmarks linked to them. You can also use **Search** to find the benchmarks.

4. Select the **Checks** to include in the new custom checklist and click **Review**.

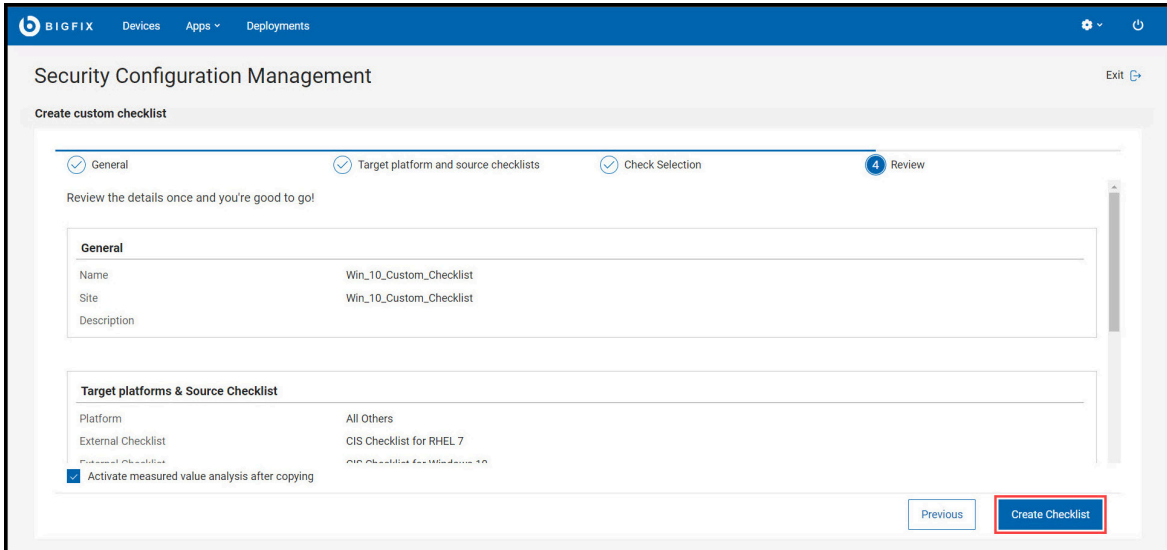


Note:



- If required, you can modify the parameters using **Edit parameter**  icon. For more information on modifying parameters, see [Modifying check parameters \(on page 28\)](#).
- Not all checks in custom checklist can be parameterized. For example, **Ensure Latest SQL Server Service Packs and Hotfixes are Installed** check will only confirm if the devices meet the described criteria. So this check cannot be parameterized

5. Review the selected parameters and click **Create Checklist**.



The screenshot shows the 'Create custom checklist' wizard in the Security Configuration Management (SCM) app. The interface is titled 'Security Configuration Management' and includes navigation tabs for 'General', 'Target platform and source checklists', 'Check Selection', and 'Review'. The 'Review' step is currently active, indicated by a blue circle with the number '4'. Below the tabs, a message reads: 'Review the details once and you're good to go!'. The 'General' section contains the following details:

Name	Win_10_Custom_Checklist
Site	Win_10_Custom_Checklist
Description	

The 'Target platforms & Source Checklist' section shows the following details:

Platform	All Others
External Checklist	CIS Checklist for RHEL 7
External Checklist	CIS Checklist for Windows 10

At the bottom of the form, there is a checkbox labeled 'Activate measured value analysis after copying' which is checked. Two buttons are located at the bottom right: 'Previous' and 'Create Checklist', with the 'Create Checklist' button highlighted by a red box.



Note: If required, select **Activate measured value analysis after copying** before you create the checklist.

Checklists include analyses that provide the actual values of the items being checked. Measured values are retrieved using analysis properties. By default, measured value analysis will be added to the custom checklist while creating a custom checklist.

When **Activate measured value analysis after copying** is enabled it makes the measured value analyses to be activated globally.

By default, measured value analysis is added to the custom checklist while you create a custom checklist. When **Activate measured value analysis after copying** is enabled, it activates the measured value analyses globally.

You are directed to the custom checklist details page when the custom checklist is created, which contains **Contents**, **Sync** and **Subscribed Devices** tabs. For more information on custom checklist details page, see [Viewing a custom checklist \(on page 11\)](#).

Security Configuration Management

CIS Checklist for Windows 2016

Contents Sync Subscribed Devices

List of checks in your custom checklist

339 checks View: 20 1 of 17 pages

Checks Name	Source chec...	Content ID	Category	Severity	Source ID	Applicable C...	Deployment %	Undeployed ..
<input type="checkbox"/> (L1) Configure 'Accoun...	CIS Checklist for ...	64982	Accounts	N/A	No CCEs provided	1	<none>	<none>
<input type="checkbox"/> (L1) Configure 'Accoun...	CIS Checklist for ...	64918	Accounts	N/A	No CCEs provided	1	<none>	<none>
<input type="checkbox"/> (L1) Configure 'Interact...	CIS Checklist for ...	64831	Interactive logon	N/A	No CCEs provided	1	<none>	<none>
<input type="checkbox"/> (L1) Configure 'Interact...	CIS Checklist for ...	65024	Interactive logon	N/A	No CCEs provided	1	<none>	<none>
<input type="checkbox"/> (L1) Configure 'Networ...	CIS Checklist for ...	65160	Network access	N/A	No CCEs provided	1	<none>	<none>

Activate measured value analysis after copying

Deploying a custom checklist

Use this task to deploy a custom checklist to one or more targets.

Perform the following steps to deploy a custom checklist:

1. Navigate to the SCM App landing page and click the **Custom checklist** to deploy.

Security Configuration Management + Create Sync

Custom checklist(8) External checklist(13)

8 checklists View: 20 < 1 > 1 of 1 pages

Checklist Name	No. of checks	Created	Updated	Subscribed ...	Platform	Status
<input type="text" value="Type for search..."/>		mm/dd/yy...	mm/dd/yy...			
CIS MSSQL Server 2019	44	CIS MSSQL Server ...	CIS MSSQL Server ...	3	MS SQL Server 2019	Out of Sync
MSSQL2019_Console	39	MSSQL2019_Cons...	MSSQL2019_Cons...	3	MS SQL Server 2019	<none>
DISA STIG Checklist Windows2016	211	DISA STIG Checkli...	DISA STIG Checkli...	0	All Other	<none>
CIS Windows 10	425	CIS Windows 10	CIS Windows 10	0	All Other	<none>
DISA Windows 10	229	DISA Windows 10	DISA Windows 10	3	All Other	<none>
CIS Checklist for Windows 2016	339	CIS Checklist for ...	CIS Checklist for ...	3	All Other	Out of Sync
CIS MS SQL Server 2016	43	CIS MS SQL Server...	CIS MS SQL Server...	3	MS SQL Server 2016	Out of Sync

2. Select the **Checks** and click **deploy**.

Security Configuration Management

CIS Checklist for Window 10

Contents Sync Subscribed Devices

List of checks in your custom checklist

430 checks View: 20 < 1 > 1 of 22 pages

20 Items Selected View Selected only **deploy (20)**


Checks Name	Source chec...	Category	Severity	Source ID	Applicable Computers
<input type="text" value="Type for search..."/>					
(L1) Ensure 'Account L...	<none>	Account Lockout P...	N/A	CCE-35409-2	0
(L1) Ensure 'Account L...	CIS Checklist for ...	Account Lockout P...	N/A	CCE-33728-7	1
(L1) Ensure 'Accounts...	CIS Checklist for ...	Accounts	N/A	No CCEs provided	0

Activate measured value analysis after copying






Note:

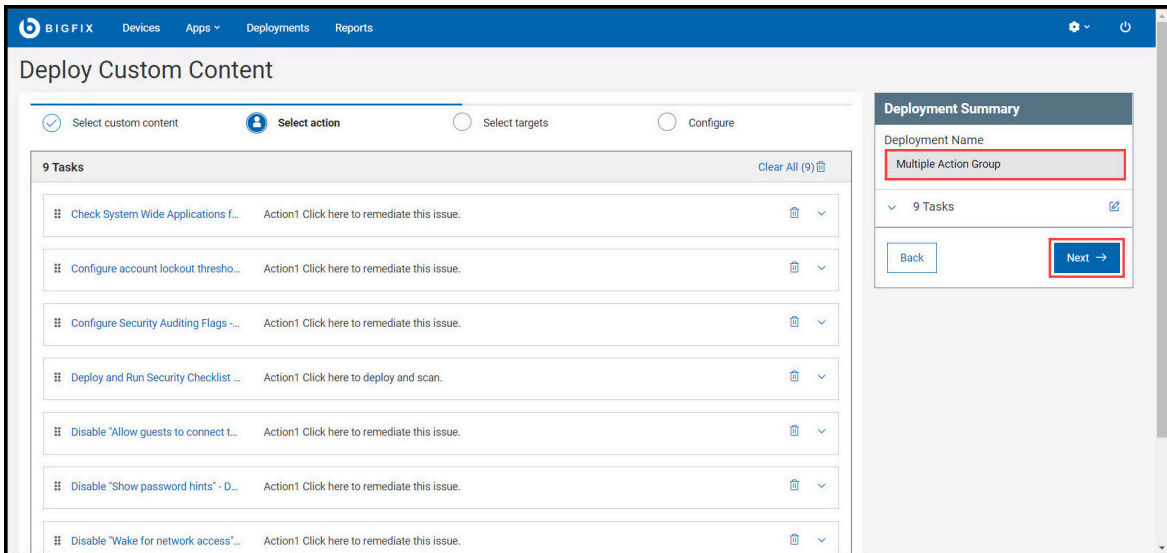


- If required, you can modify the parameters using **Edit parameter**  icon. For more information on modifying parameters, see [Modifying check parameters \(on page 28\)](#).
- Not all checks in custom checklist can be parameterized. For example, **Ensure Latest SQL Server Service Packs and Hotfixes are Installed** check will only confirm if the devices meet the described criteria. So this check cannot be parameterized.

3. Review the available tasks and click **Next**.

Different icons display the state of the tasks:

-  : The task is not associated with the action. Click the **delete** icon to remove the task.
-  : Check the parameter of the task. You can click the  icon and edit the parameter of the task.

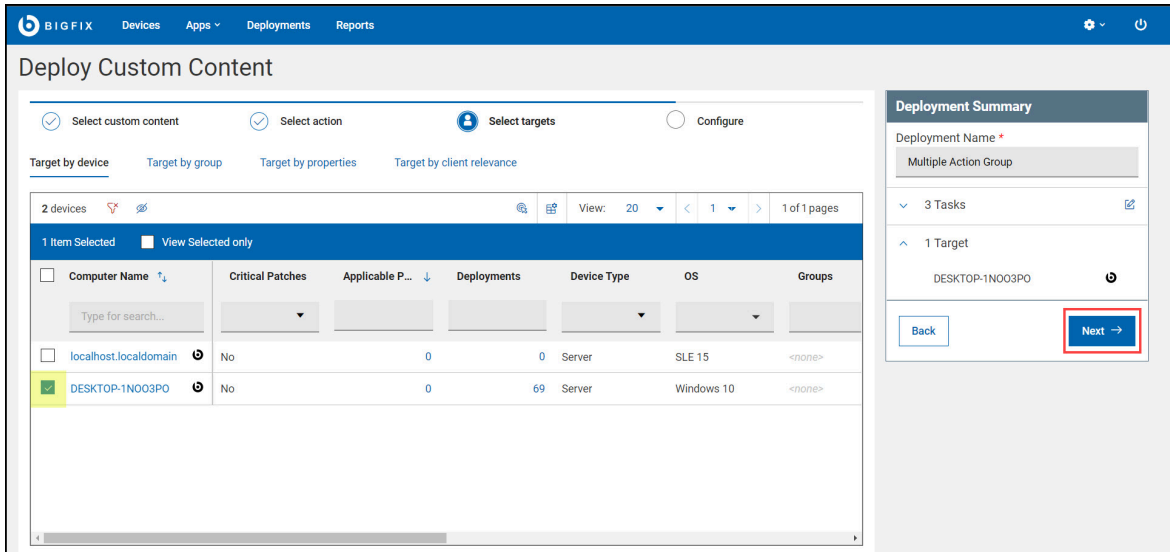


The screenshot shows the 'Deploy Custom Content' interface in the BIGFIX web UI. The navigation bar includes 'Devices', 'Apps', 'Deployments', and 'Reports'. The main content area is divided into four steps: 'Select custom content', 'Select action' (which is the active step), 'Select targets', and 'Configure'. Below the steps, there is a list of 9 tasks, each with a remediation link and a delete icon. The 'Deployment Summary' panel on the right shows the 'Deployment Name' as 'Multiple Action Group' and has 'Back' and 'Next' buttons.



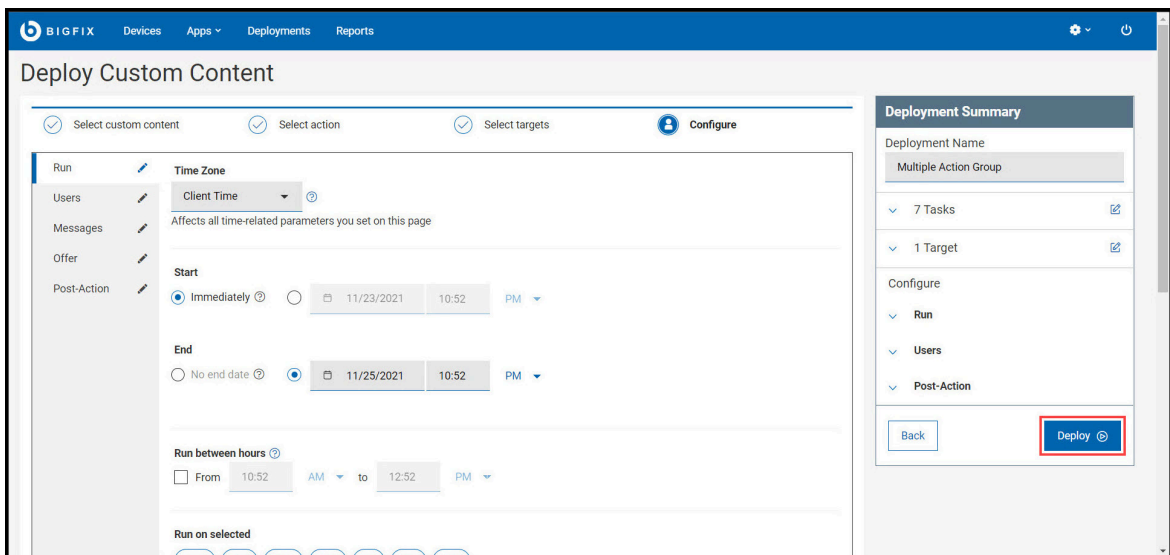
Note: You can also rename the **Deployment Name** in **Deployment Summary** panel.

4. Select the **Target** and click **Next**.



Note: You can use the **Target by Device** and **Target by Group** subtabs for selecting the targets.

5. Customize your deployment and click **Deploy**.

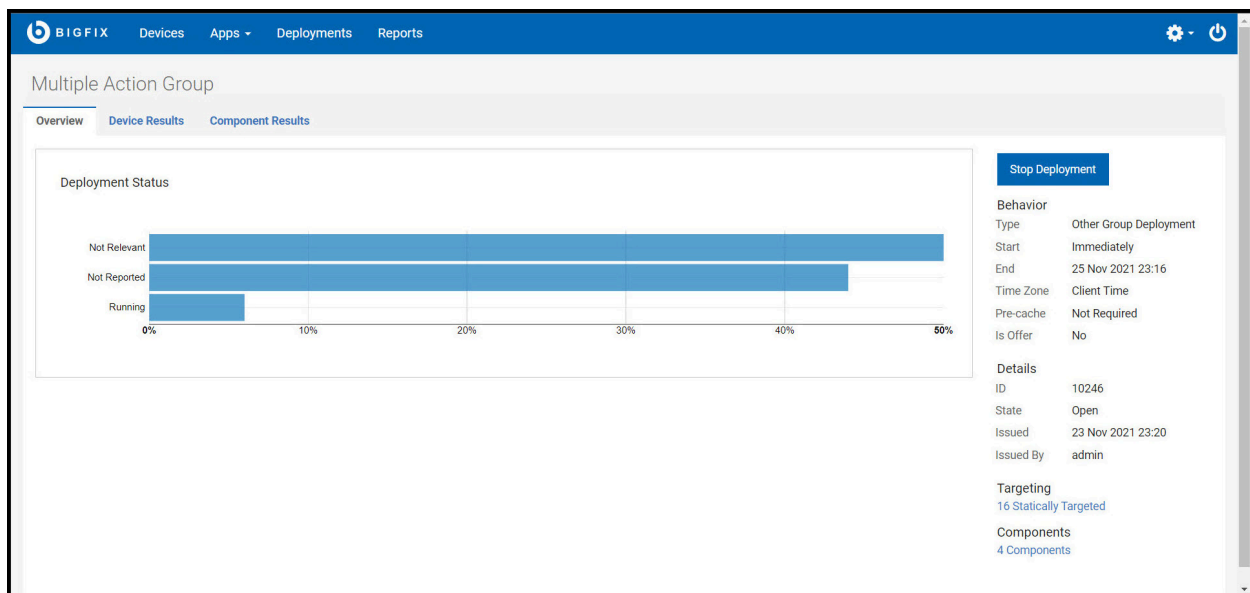


**Note:**

- Use the **Edit** icon in the subtabs (Run, Users, Messages, Offer, and Post-Action) on the left panel to further fine-tune the deployment. For more information on the subtabs, see [Configuration Options](#).
- Use the **Edit** icon in the Deployment Summary panel to modify tasks and targets.

The Deployment page displays details such as overview, device, and component results.

You can also stop the deployment any time by clicking **Stop Deployment**.



- **Overview:** Detailed description of the selected deployment status, behavior, targeting, and more.
- **Device Results:** Target status, which is - the state of the deployment on each endpoint.
- **Component Results:** For content with multiple actions: the deployment status of each component on targeted devices is expressed as a percentage of completion.


You can also view the status of the current or previous deployments in WebUI by clicking **Deployments** in the navigation bar. For more information on deployments, see [The Deployment List](#).

! **Important:**

SCM deployments are categorized under the **Other** application type. Use Deployment Name, Issued Date, or other criteria to find deployments.

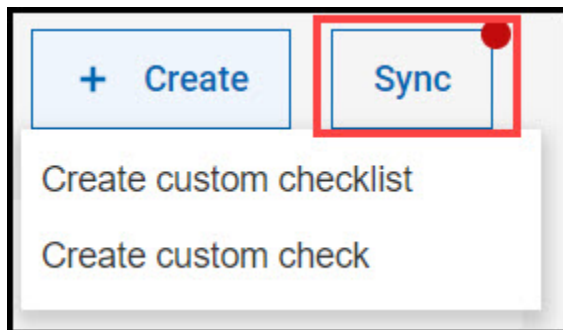
Synchronizing a custom checklists

Use Synchronize custom checklist to update custom checklists in your deployment whose sources (external checklists) have been updated.

An out of sync  icon is displayed on the custom checklist tile and those checklists must be synchronized with their sources (external checklists).

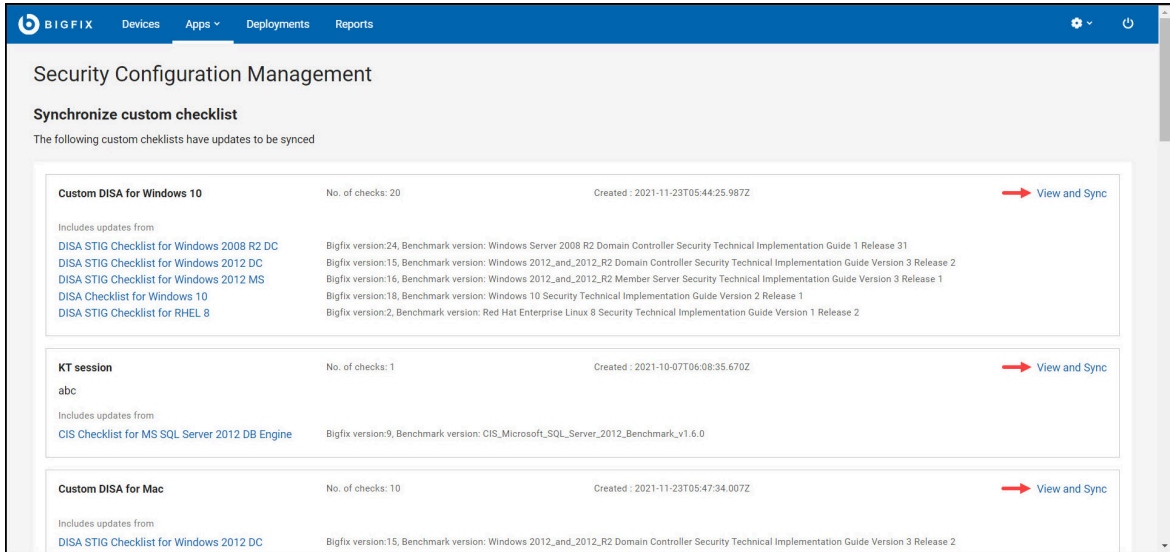
Perform the following steps to synchronize the custom checklist:

1. Navigate to the SCM App landing page and click **Sync**.

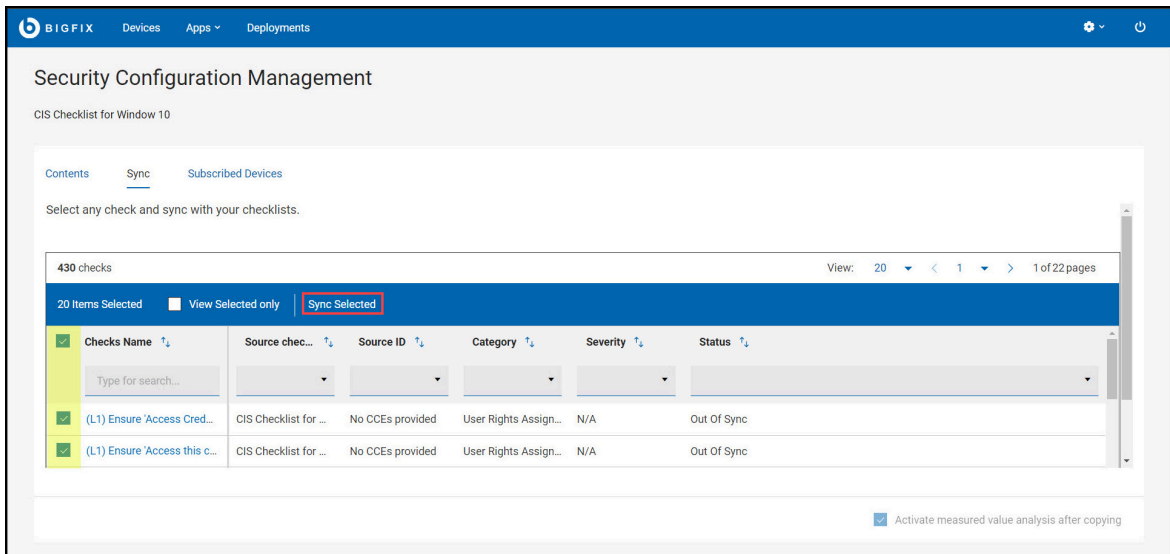


2. Click **View and sync** on any checklist to sync.

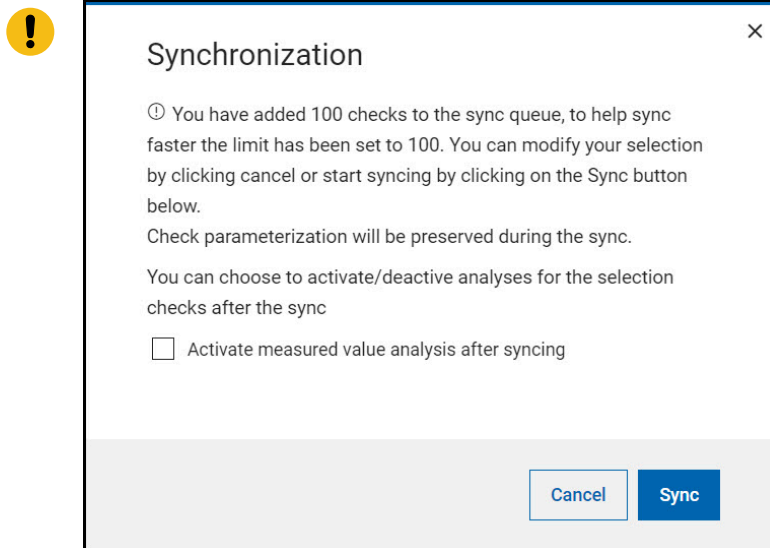
The Synchronize custom checklist page gives an overview of the checklists that are to be synchronized.



3. Select the required **Check** or use the **select all** option to select all available checks and click **Sync Selected**.



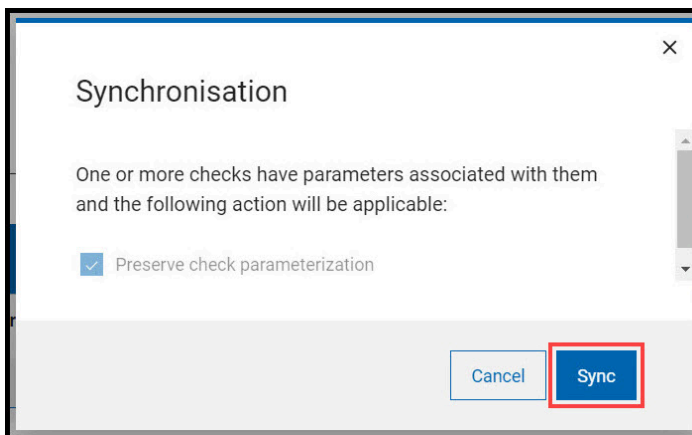
! **Important:** You can select up to 100 checks at a time to synchronize. This limitation is to improve the performance of the operation.





4. If a selected check has no associated parameters, the synchronisation starts. If the checks have associated parameters, you are prompted with the following dialog box:

- Click **Sync**.

During synchronization, special indicators shows the status such as in progress or error of each individual check.



When synchronized, the status is displayed next to each individual checks. The results are as follows:

-  : Successfully updated the check to the custom site.
-  : Failed to updated the check to the custom site.



Note: In some cases, successfully synchronized check will be removed from the data grid.

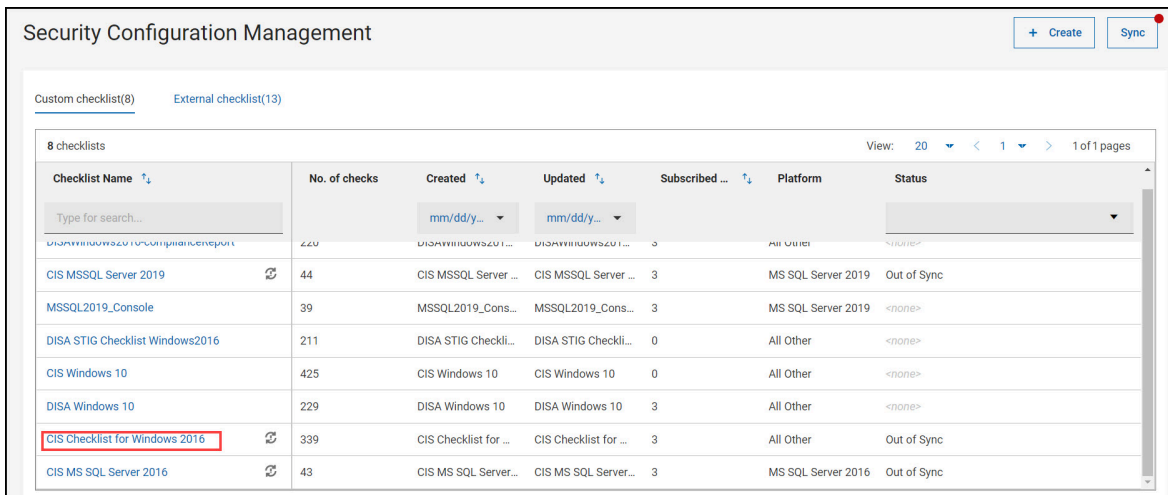
Modifying check parameters

Custom checklist contains multiple checks. You can only modify the copies of checks located in custom checklist. For example, in a **Account lockout threshold** check, you can set the maximum number of failed login attempts before the account is locked to any desired value.

You can modify only parameters of checks in custom checklists.

Perform the following steps to modify check in custom checklist:

1. Navigate to the SCM App landing page and click the **Custom checklist** from the data grid.



Security Configuration Management

Custom checklist(8) External checklist(13)

8 checklists View: 20 < 1 > 1 of 1 pages

Checklist Name	No. of checks	Created	Updated	Subscribed ...	Platform	Status
Type for search...		mm/dd/y...	mm/dd/y...			
CIS MSSQL Server 2019	44	CIS MSSQL Server ...	CIS MSSQL Server ...	3	MS SQL Server 2019	Out of Sync
MSSQL2019_Console	39	MSSQL2019_Cons...	MSSQL2019_Cons...	3	MS SQL Server 2019	<none>
DISA STIG Checklist Windows2016	211	DISA STIG Checkli...	DISA STIG Checkli...	0	All Other	<none>
CIS Windows 10	425	CIS Windows 10	CIS Windows 10	0	All Other	<none>
DISA Windows 10	229	DISA Windows 10	DISA Windows 10	3	All Other	<none>
CIS Checklist for Windows 2016	339	CIS Checklist for ...	CIS Checklist for ...	3	All Other	Out of Sync
CIS MS SQL Server 2016	43	CIS MS SQL Server...	CIS MS SQL Server...	3	MS SQL Server 2016	Out of Sync

2. Click **Edit Parameter**  icon.

Contents Sync Subscribed Devices

List of checks in your custom checklist

430 checks View: 20 1 of 22 pages

<input type="checkbox"/>	Checks Name	Source chec...	Category	Severity	Source ID	Applicable Computers
<input type="checkbox"/>	(L1) Ensure 'Account ...	<none>	Account Lockout P...	N/A	CCE-35409-2	0
<input type="checkbox"/>	(L1) Ensure 'Account ...	CIS Checklist for ...	Account Lockout P...	N/A	CCE-33728-7	1
<input type="checkbox"/>	(L1) Ensure 'Accounts...	CIS Checklist for ...	Accounts	N/A	No CCEs provided	0
<input type="checkbox"/>	(L1) Ensure 'Accounts...	CIS Checklist for ...	Accounts	N/A	No CCEs provided	1

Activate measured value analysis after copying



Note: Not all checks in custom checklist can be parameterized. For example, checks such as **Ensure Latest SQL Server Service Packs and Hotfixes are Installed** will only confirm if the devices meet the described criteria. So this check cannot be parameterized.

3. Enter the **Desired value** on the **Edit Parameters** pop-up window and click **Save**.

CPEs
cpe:/o:microsoft:windows_10

Check compliance: (Condition 1 and Condition 2)

Condition 1: LockoutBadCount (A)
Details: security_database(LockoutBadCount)
Compliant if: values.oval?(all, :at_least_one_exists) {!s| s.to_i <= input.to_i }
Default value: 5

Desired value: ←

Condition 2: LockoutBadCount (B)
Details: security_database(LockoutBadCount)
Compliant if: values.oval?(all, :at_least_one_exists) {!s| s.to_i > input.to_i }
Default value: 0

Desired value: ←

Click "Save" to update this check.
Note: Only a custom copy of this check can be configured.

A success/failure toast notification appears on the top-right corner.

Custom check

A custom checklist includes many checks which enables the security teams to preserve the compliance standards of an organisation. Similarly, checks within a checklist perform various type of actions and ensures the pre-defined parameters of the checks are met.

Based on the roles and permissions in BigFix console Master operator (MO) and Non-master operator (NMO) can perform various activities.

With SCM App in WebUI you can create, edit, or delete one or more checks. You must meet the following prerequisites to create, edit, or delete a check:

- Ensure that you have a custom checklist that is created through **Create custom checklist** wizard in the SCM App.
- Ensure that the custom checks are up to date and that bug fixes are installed with the **Synchronize Custom Checks** wizard in the WebUI.
- Ensure that you have **Owner** and **Write** permission for the checklist to create, edit, and delete a check.

The following table lists the activities that a MO and NMO can perform under specific condition:

Activity	Master operator (MO)	Non-master operator (NMO)
Create a custom check	Yes	Yes ⁽¹⁾
Delete or Edit a custom check	Yes	Yes ⁽¹⁾
View a custom check	Yes	Yes ⁽²⁾



Note:



1. Access to **custom content** must be "Yes" in BigFix console roles and permission. When roles and permission is set to "No", you cannot create, edit or delete a check even if you **owner** or **write** permission for the checklist.
2. You must have read permission to view a custom check.

Creating a custom check using relevance

This task helps you in creating a custom check using relevance.

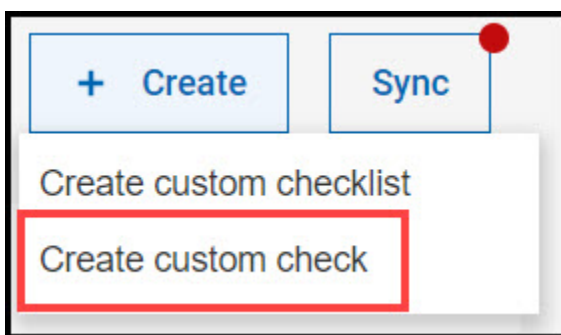
Ensure that you have **Owner** or **Write** permission for the checklist to add new checks.

Perform the following steps to create a custom check by using relevance method:



Note: At any point, if you decide to create custom check using Unix content, you can switch using the radio button available in the **Compliance check creation** wizard. The fields and field values in **Required information** and **Description** compliance creation wizard remains unchanged but, the values in the **Behavior** section will be deleted. For more information, see [Creating a custom check using Unix content \(on page 35\)](#).

1. Navigate to the SCM App landing page and click **Create > Create custom content**.



Compliance check creation wizard appears.



Note: **Create using relevance** is the default method in the **Compliance check creation** wizard.

▼ Description

B U I :: }= ∅

This is a required field.

**Note:**

- Description field is must be filled in order to create a custom check.
- You can customize the description field texts using text format option.

4. In the **Behavior** section, select **Relevance**.

▼ Behavior

Relevance Analysis Remediation

Write your client relevance

Add new relevance + Delete this relevance Clear Check Syntax

5. Click **Check syntax** to validate the entered relevance.

**Note:**

- If the entered syntax is incorrect, an error appears.
- Use **Add new relevance** option to add multiple relevance to your custom check, **Delete this relevance** option to delete the added relevance and **Clear** to delete the client relevance.

6. Add **Analysis** to the custom check.



Note: You can add only one **Analysis** when creating custom check.

- Including **Analysis** to the custom check:

Behavior

Relevance Analysis Remediation

Include desired value

Desired value Title: Placeholder Text

Desired value: Placeholder Text

Placeholder Text

- a. Check **Include desired value**.

- b. Enter the **Title**, **Desired value**, and **Description** of the analysis.

7. If required, you can add **Remediation** to the custom check.



Note: You can add only one **Remediation** when creating custom check.

- Including **Remediation** to the custom check:

Behavior

Relevance Analysis Remediation

Include Remediation

Placeholder Text

- a. Check **Include Remediation**.

- b. Enter the **Remediation script**.

8. Click **Create**.

9. In the **Create Custom Check** dialog box, click **Yes, create**.

When the custom check is created, **Compliance check creation** wizard navigates to the custom check details page. The details page contains Overview, Applicable Devices and Deployment sections.

Applicability

Overview **Applicable Devices** Deployments

- 0 applicable devices reported ▲
- 0 open deployments
- 0 deployments with > 10% failed
- 0 deployments in the last 24 hours

Deploy Custom Content

Details

Category	Surface Area Reduction
Site	CIS SQL Server 2019 WebUI
Source	Applic_1
Source ID	123
Size	1024.00 KB
Modified	14 days ago
Modified By	admin

[Edit Custom Content](#)

The default Windows configuration caches the last logon credentials for users who log on interactively to a system. This feature is provided for system availability reasons, such as the user's machine being disconnected from the network or domain controllers being unavailable. Even though the credential cache is well-protected, if a system is attacked, an unauthorized individual may isolate the password to a domain user account using a password-cracking program and gain access to the domain.

Creating a custom check using Unix content

This task helps you in creating a custom check using Unix content.

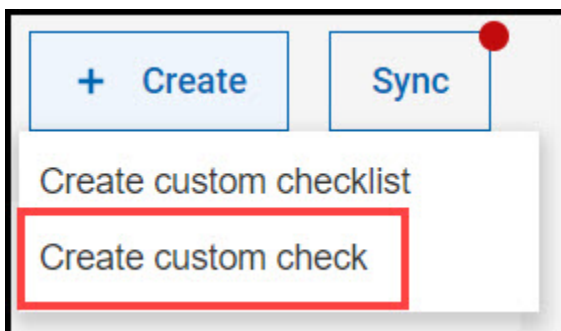
Ensure that you have **Owner** or **Write** permission for the checklist to add new checks.

Perform the following steps to create a custom check by using Unix content method:



Note: At any point, if you decide to create custom check using relevance, you can switch using the radio button available in the **Compliance check creation** wizard. The fields and field values in **Required information** and **Description** compliance creation wizard remains unchanged but, the values in the **Behavior** section will be deleted. For more information, see [Creating a custom check using relevance \(on page 31\)](#).

1. Navigate to the SCM App landing page and click **Create > Create custom content**.



A **Compliance check creation** wizard appears.



Note: **Create using relevance** is the default method in the **Compliance check creation wizard**.

Compliance check creation

Create using relevance
 Create Unix SCM checks using bourne shell script

Required Information

Title

Placeholder Text

Site

Applicability Fixlet

Source

Source ID

Source Release date

Category

Severity

2. Check **Create Unix SCM checks using bourne shell script**.
3. Click **OK** when **Switch to Create Unix check using Script?** is prompted.
4. In the **Required information** section, provide the following information:
 - Title
 - Site
 - Source
 - Source ID
 - Source Release date
 - Category
 - Severity



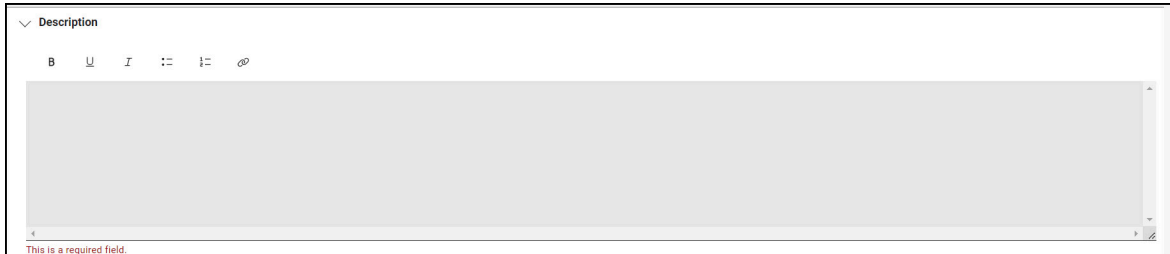
Note:

- Based on the **Site** selection, the **Compliance check creation wizard** will auto-generate the required information for **Applicability Fixlet** and you can select the **Applicability Fixlet** from the drop-down if the site has more than one Fixlet.
- **SourceID** must be unique in the checklist.



- **SourceID** field must start with alphanumeric characters and may contain hyphen and underscore.
- If you want to add a new category which does not exist in the custom site, you can add it by clicking **Add new Category**.

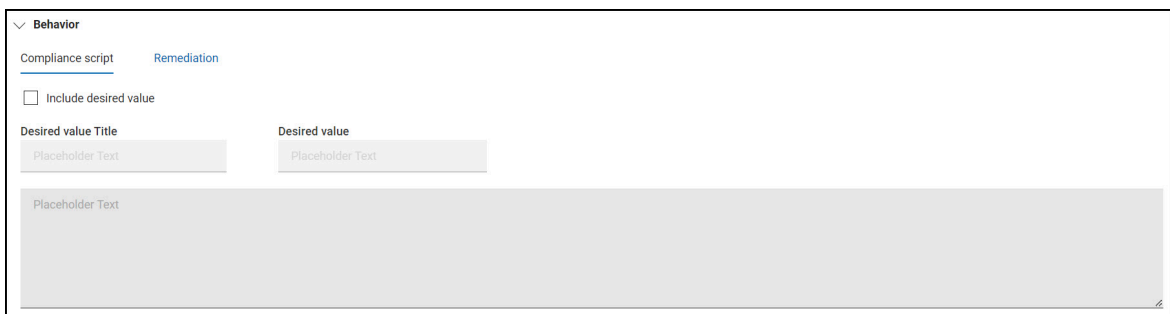
5. In the **Description** section, enter the **Description** of the custom check.




Note:

- Description field is must be filled in order to create a custom check.
- You can customize the description field texts using text format option.

6. In the **Behavior** section, Enter the **Compliance script**.




Note: Relevance will be added automatically once the custom check is created.

7. If required, you can add **Remediation** to the custom check.



Note: You can add only one **Remediation** when creating custom check.

- Including **Remediation** to the custom check:

The screenshot shows a configuration interface for a custom check. Under the 'Behavior' section, there are two tabs: 'Compliance script' and 'Remediation'. The 'Remediation' tab is active, and the 'Include Remediation' checkbox is checked. Below the checkbox is a large, empty text area with a 'Placeholder Text' label, intended for entering the remediation script.

- Check **Include remediation**.
- Enter the **Remediation script**.

8. Click **Create**.

9. In the **Create Custom Check** dialog box, click **Yes, create**.

When the custom check is created, **Compliance check creation** wizard navigates to the custom check details page. The details page contains Overview, Applicable Devices and Deployment sections.

The screenshot shows the 'Applicability' details page for a custom check. The page has three tabs: 'Overview', 'Applicable Devices', and 'Deployments'. The 'Overview' tab is active. It displays summary statistics: 0 applicable devices reported, 0 open deployments, 0 deployments with > 10% failed, and 0 deployments in the last 24 hours. A 'Deploy Custom Content' button is visible. Below the statistics is a text box containing the check's description: 'The default Windows configuration caches the last logon credentials for users who log on interactively to a system. This feature is provided for system availability reasons, such as the user's machine being disconnected from the network or domain controllers being unavailable. Even though the credential cache is well-protected, if a system is attacked, an unauthorized individual may isolate the password to a domain user account using a password-cracking program and gain access to the domain.' On the right side, there is a 'Details' sidebar with the following information: Category: Surface Area Reduction, Site: CIS SQL Server 2019 WebUI, Source: Applic_1, Source ID: 123, Size: 1024.00 KB, Modified: 14 days ago, Modified By: admin. An 'Edit Custom Content' link is also present.

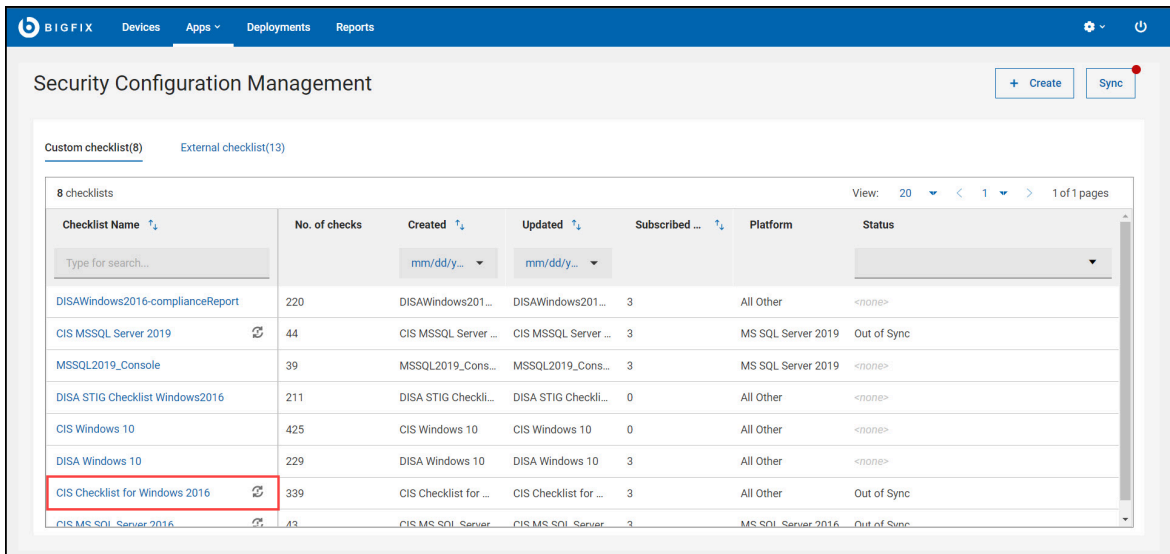
Editing a custom check

Understand how to edit a custom copy of a check or the checks which are created and added to the custom checklist.

Ensure that you have **Owner** or **Write** permission for the checklist to edit check.

Perform the following steps to edit a custom check:

1. Navigate to the SCM App landing page and click the **Custom checklist**.



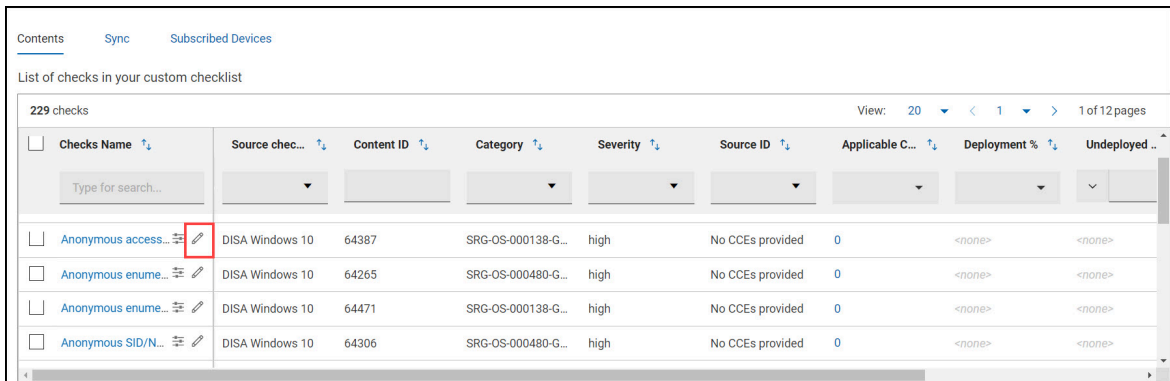
Security Configuration Management

Custom checklist(8) External checklist(13)

8 checklists View: 20 1 of 1 pages

Checklist Name	No. of checks	Created	Updated	Subscribed ...	Platform	Status
DISAWindows2016-complianceReport	220	DISAWindows201...	DISAWindows201...	3	All Other	<none>
CIS MSSQL Server 2019	44	CIS MSSQL Server ...	CIS MSSQL Server ...	3	MS SQL Server 2019	Out of Sync
MSSQL2019_Console	39	MSSQL2019_Cons...	MSSQL2019_Cons...	3	MS SQL Server 2019	<none>
DISA STIG Checklist Windows2016	211	DISA STIG Checkli...	DISA STIG Checkli...	0	All Other	<none>
CIS Windows 10	425	CIS Windows 10	CIS Windows 10	0	All Other	<none>
DISA Windows 10	229	DISA Windows 10	DISA Windows 10	3	All Other	<none>
CIS Checklist for Windows 2016	339	CIS Checklist for ...	CIS Checklist for ...	3	All Other	Out of Sync
CIS.MS.SQL_Server.2016	43	CIS.MS.SQL_Server	CIS.MS.SQL_Server	3	MS.SQL_Server.2016	Out of Sync

2. In the **custom checklist details page**, click **Edit** on the check.



Contents Sync Subscribed Devices

List of checks in your custom checklist

229 checks View: 20 1 of 12 pages

Checks Name	Source chec...	Content ID	Category	Severity	Source ID	Applicable C...	Deployment %	Undeployed ..
<input type="checkbox"/> Anonymous access...	DISA Windows 10	64387	SRG-OS-000138-G...	high	No CCEs provided	0	<none>	<none>
<input type="checkbox"/> Anonymous enume...	DISA Windows 10	64265	SRG-OS-000480-G...	high	No CCEs provided	0	<none>	<none>
<input type="checkbox"/> Anonymous enume...	DISA Windows 10	64471	SRG-OS-000138-G...	high	No CCEs provided	0	<none>	<none>
<input type="checkbox"/> Anonymous SID/N...	DISA Windows 10	64306	SRG-OS-000480-G...	high	No CCEs provided	0	<none>	<none>

Compliance check creation wizard appears.

Compliance check creation

Required Information

Title
Anonymous access to Named Pipes and Shares must be restricted.

Site
DISA Windows 10

Applicability Fixlet
Fixlet

Source
Windows 10 Security Technical Implementation Guide Version 2 Rel

Source ID
No CCEs provided

Source Release date
2022-04-08

Category
SRG-OS-000138-GPOS-00069 (xccdf_mil.disa.stig_group_V-220*32)

Severity
high

> Description

> Behavior

Delete Cancel Update



Note:

- When you edit a custom check, you cannot change the custom check type that is, relevance to Unix content or vice versa.
- You can add multiple relevance script and remediation for both check type (Relevance and Unix content).

3. Edit the required fields in the **Required Information**, **Description**, and **Behavior** sections.
4. Click **Update**.
5. In the **Update Custom Check** dialog box, click **Update**.

A success/failure toast notification appears on the top-right corner.

Deleting a custom check or checks

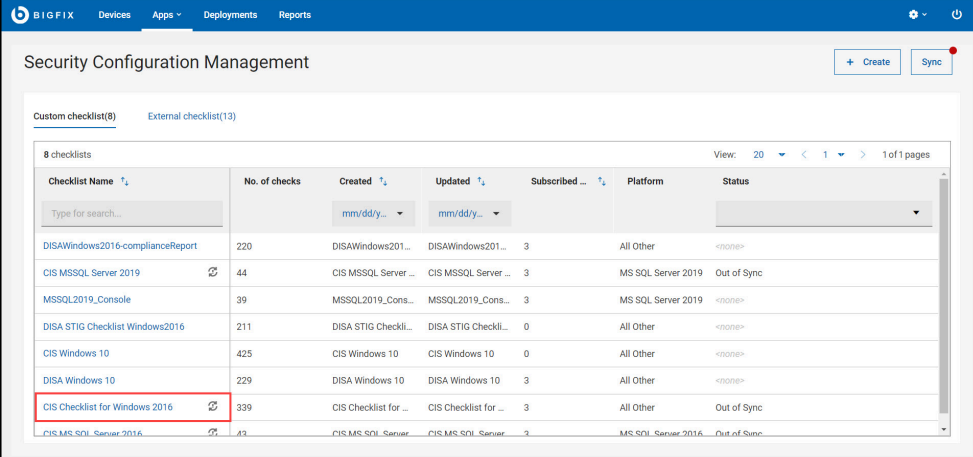
Understand how to delete a custom copy of a check or the checks which are created and added to the custom checklist. You can delete multiple custom checks or an individual custom check from the custom checklist details page.



Important: Ensure that you have **Read** or **None** permission to the checklist to delete a checks.

Perform the following steps to delete multiple custom checks:

1. Navigate to the SCM App landing page and click the **Custom checklist**.



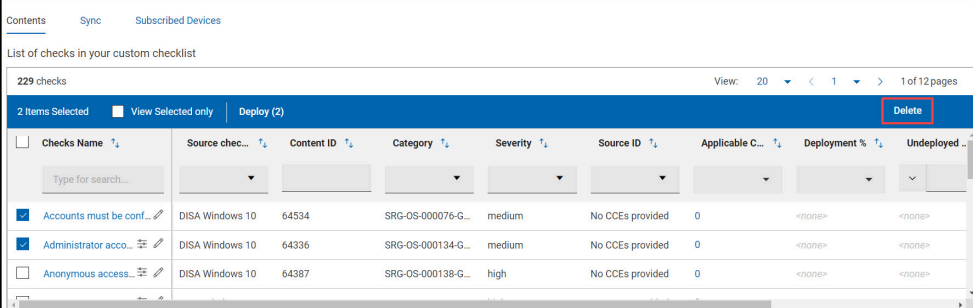
Security Configuration Management

Custom checklist(8) External checklist(13)

8 checklists

Checklist Name	No. of checks	Created	Updated	Subscribed	Platform	Status
DISAWindows2016-complianceReport	220	DISAWindows201...	DISAWindows201...	3	All Other	<none>
CIS MSSQL Server 2019	44	CIS MSSQL Server ...	CIS MSSQL Server ...	3	MS SQL Server 2019	Out of Sync
MSSQL2019_Console	39	MSSQL2019_Cons...	MSSQL2019_Cons...	3	MS SQL Server 2019	<none>
DISA STIG Checklist Windows2016	211	DISA STIG Checkli...	DISA STIG Checkli...	0	All Other	<none>
CIS Windows 10	425	CIS Windows 10	CIS Windows 10	0	All Other	<none>
DISA Windows 10	229	DISA Windows 10	DISA Windows 10	3	All Other	<none>
CIS Checklist for Windows 2016	339	CIS Checklist for ...	CIS Checklist for ...	3	All Other	Out of Sync
CIS MSSQL Server 2016	43	CIS MSSQL Server ...	CIS MSSQL Server ...	3	MS SQL Server 2016	Out of Sync

2. In the **custom checklist details page**, select the **checks** and click **Delete**.



Contents Sync Subscribed Devices

List of checks in your custom checklist

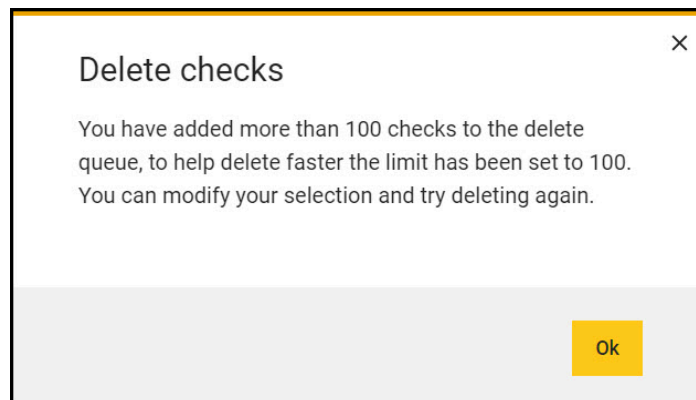
229 checks

2 Items Selected View Selected only Deploy (2) Delete

Checks Name	Source chec...	Content ID	Category	Severity	Source ID	Applicable C...	Deployment %	Undeployed
<input checked="" type="checkbox"/> Accounts must be conf...	DISA Windows 10	64534	SRG-OS-000076-G...	medium	No CCEs provided	0	<none>	<none>
<input checked="" type="checkbox"/> Administrator acco...	DISA Windows 10	64336	SRG-OS-000134-G...	medium	No CCEs provided	0	<none>	<none>
<input type="checkbox"/> Anonymous access...	DISA Windows 10	64387	SRG-OS-000138-G...	high	No CCEs provided	0	<none>	<none>



Important: You can select up to 100 checks at a time to delete. This limitation is to improve the performance of the operation.





3. In the **Delete checks** dialog box, click **Yes**.

Result: A success/failure toast notification appears on the top-right corner.

Perform the following steps to delete an individual custom check:

1. Navigate to the SCM App landing page and click the **Custom checklist**.

Checklist Name	No. of checks	Created	Updated	Subscribed	Platform	Status
DISAWindows2016-complianceReport	220	DISAWindows201...	DISAWindows201...	3	All Other	<none>
CIS MSSQL Server 2019	44	CIS MSSQL Server ...	CIS MSSQL Server ...	3	MS SQL Server 2019	Out of Sync
MSSQL2019_Console	39	MSSQL2019_Cons...	MSSQL2019_Cons...	3	MS SQL Server 2019	<none>
DISA STIG Checklist Windows2016	211	DISA STIG Checkli...	DISA STIG Checkli...	0	All Other	<none>
CIS Windows 10	425	CIS Windows 10	CIS Windows 10	0	All Other	<none>
DISA Windows 10	229	DISA Windows 10	DISA Windows 10	3	All Other	<none>
CIS Checklist for Windows 2016	339	CIS Checklist for ...	CIS Checklist for ...	3	All Other	Out of Sync
CIS MSSQL Server 2016	43	CIS MSSQL Server ...	CIS MSSQL Server ...	3	MS SQL Server 2016	Out of Sync

2. In the **custom checklist details page**, click **Edit**.

Checks Name	Source chec...	Content ID	Category	Severity	Source ID	Applicable C...	Deployment %	Undeployed...
Accounts must be conf...	DISA Windows 10	64534	SRG-OS-000076-G...	medium	No CCEs provided	0	<none>	<none>
Administrator acco...	DISA Windows 10	64336	SRG-OS-000134-G...	medium	No CCEs provided	0	<none>	<none>
Anonymous access...	DISA Windows 10	64387	SRG-OS-000138-G...	high	No CCEs provided	0	<none>	<none>

Compliance check creation wizard appears.

Compliance check creation

> Required information

> Description

> Behavior

Delete Cancel Update

3. Click **Delete**.
4. In the **Delete check** dialog box, click **OK**.

Result: You are navigated to the custom checklist details page when the check is successfully deleted.

External checklist

SCM App in WebUI uses various benchmark checklists to ensure that the device meet the compliance standards. You can use these external checklists to manage devices or create custom checklist as per the requirement. For more information about external checklist, see [Supported Benchmarks \(on page 6\)](#).

Viewing an external checklist

Understand how to view an external checklist and its overview.

Perform the following steps to view an external checklist:

1. Navigate to the SCM App landing page and click the **External checklist** tab.



Note: The **Custom checklist** tab is selected by default.

2. Click an **External checklist** tile to view.

The screenshot shows the 'Security Configuration Management' interface. At the top, there are navigation tabs: 'Devices', 'Apps', 'Deployments', and 'Reports'. Below the navigation, there are two tabs: 'Custom checklist(8)' and 'External checklist(13)'. The 'External checklist(13)' tab is active. A table displays 13 external checklists. The table has columns for Checklist Name, No. of checks, Created, Updated, Benchmark versi..., Platform, Benchmark, and Status. The 'DISA Checklist for Windows 10' row is highlighted with a red box.

Checklist Name	No. of checks	Created	Updated	Benchmark versi...	Platform	Benchmark	Status
DISA STIG Checklist for Windows 2008 R2 MS	262	04/26/2019	10/25/2019	<none>	All Other	DISA	<none>
DISA STIG Checklist for Windows 2012 MS	284	03/05/2021	06/30/2021	<none>	All Other	DISA	<none>
CIS Checklist for Windows 10	425	07/12/2021	12/24/2021	<none>	All Other	CIS	<none>
DISA Checklist for Windows 10	229	04/08/2022	07/22/2022	<none>	All Other	DISA	<none>
CIS Checklist for CentOS Linux 6	196	01/30/2017	06/22/2020	<none>	All Other	CIS	<none>
CIS Checklist for Mac OS X 10.12	80	11/04/2016	04/24/2019	<none>	OSX 10.12	CIS	<none>
CIS Checklist for Windows 2016 DC	351	07/12/2021	08/12/2022	<none>	All Other	CIS	<none>
CIS Checklist for Windows 2016 MS	354	07/12/2021	08/12/2022	<none>	All Other	CIS	<none>

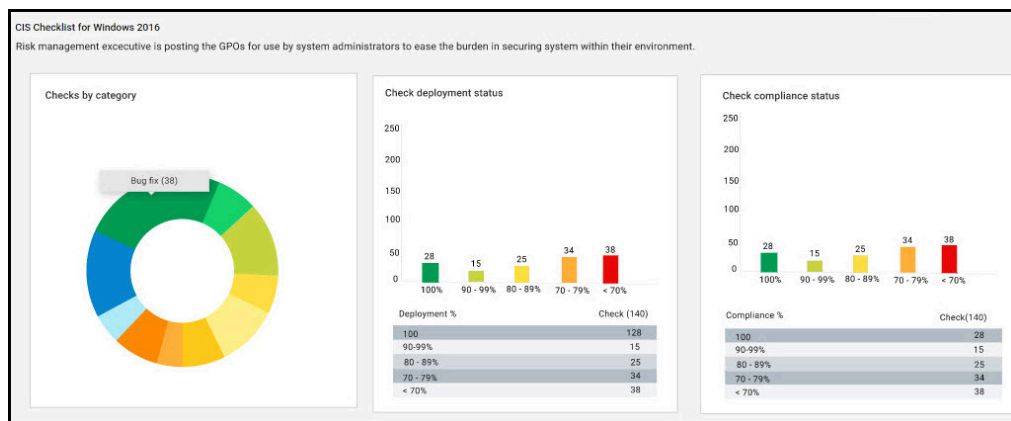
You are directed to the external checklist details page. This page contains **Inline reports**, **Selected external checklist tab** and **Custom Checklists Affected tab** and BigFix site version information.

Figure 4. External checklist details page

Checks Name	Content ID	Category	Severity	Source ID	Applicable C...	Release Date	Deployment %	Undeploye...
Applicability - HKU	150151	<none>	<none>	cpe:/o/microsoft.w...	0	<none>	0	0
Applicability - Microsoft ...	149959	<none>	<none>	cpe:/o/microsoft.w...	0	<none>	0	0
Applicability - Windows S...	149958	<none>	<none>	xccdf_mil.disa.stig...	0	<none>	0	0
Applicability - Windows S...	149957	<none>	<none>	xccdf_mil.disa.stig...	0	<none>	0	0
Applicability - Windows S...	149961	<none>	<none>	xccdf_mil.disa.stig...	0	<none>	0	0
Task - Windows Server 20...	141234	<none>	<none>	<none>	0	<none>	0	0
Task - Windows Server 20...	141077	<none>	<none>	<none>	0	<none>	0	0

The external checklist page contains the following elements:

- **Export:** Use this feature to download reports of an individual custom checklist. For more information, see [Exporting report \(on page 50\)](#).
- **Show/Hide summary:** Use this feature to display or hide the inline reports.
 - **Inline reports:**



Donut chart and bar graphs, such as **checks by category**, **check deployment status**, and **check compliance status** shows the status of the selected custom checklist. These chart and graphs are updated dynamically when you apply filters in contents tab. You can also click on any of the chart or graphs to see information related to specific set of checks.

Inline reports chart and graphs:

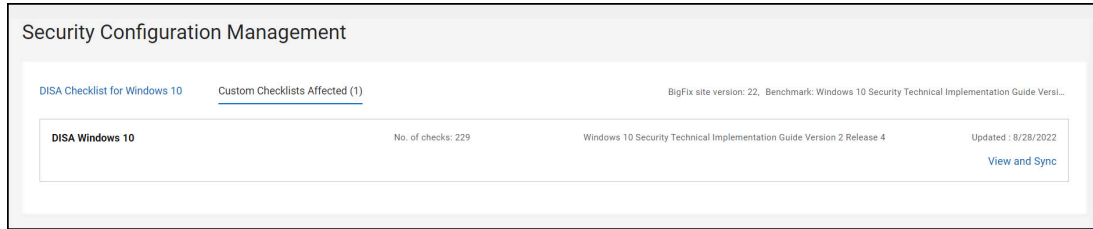
- **Checks by category:** The checks are grouped together based on the custom site they belong to. For example, bug fixes, password policies, auditing and logging are the few category of checks.
- **Check deployment status:** This graph is generated based on the deployment percentage checks.
- **Check compliance status:** This graph is generated based on the compliance percentage of the checks.

• **Selected External checklist:**

The checks in this tab are represented in a data grid format. Each column has a search or filter feature, which you can use to find checks by entering text or a keyword. The pagination allows you to navigate between pages. Use the checkbox in each row to select the required checks or select all the checks using the checkbox available in header section of **Checks Name** column. To view only the checks that you have selected, use **View Selected only**. To know more about data grid, see [Grid view](#).

You can select the checks and deploy them to the target devices by clicking **deploy**. For more information deploying external content, see [Deploying a custom checklist \(on page 20\)](#).

- **Custom Checklists Affected:** This tab contains the list of custom checklist that are to be synchronized with their source checklist (external checklist).



By default, a custom checklist is created by using one or more external checklists. When an external checklist is updated and the created custom checklists are not synchronized with an external checklist, those checklists are listed in custom checklist affected tab. The number in parentheses indicates the number of custom checklists that are affected by the selected external checklist.

Each list contains checklist name, number of checks, benchmark name and version, and creation date.

Deploying an external checklist

Use this task to deploy an external checklist to one or more targets.

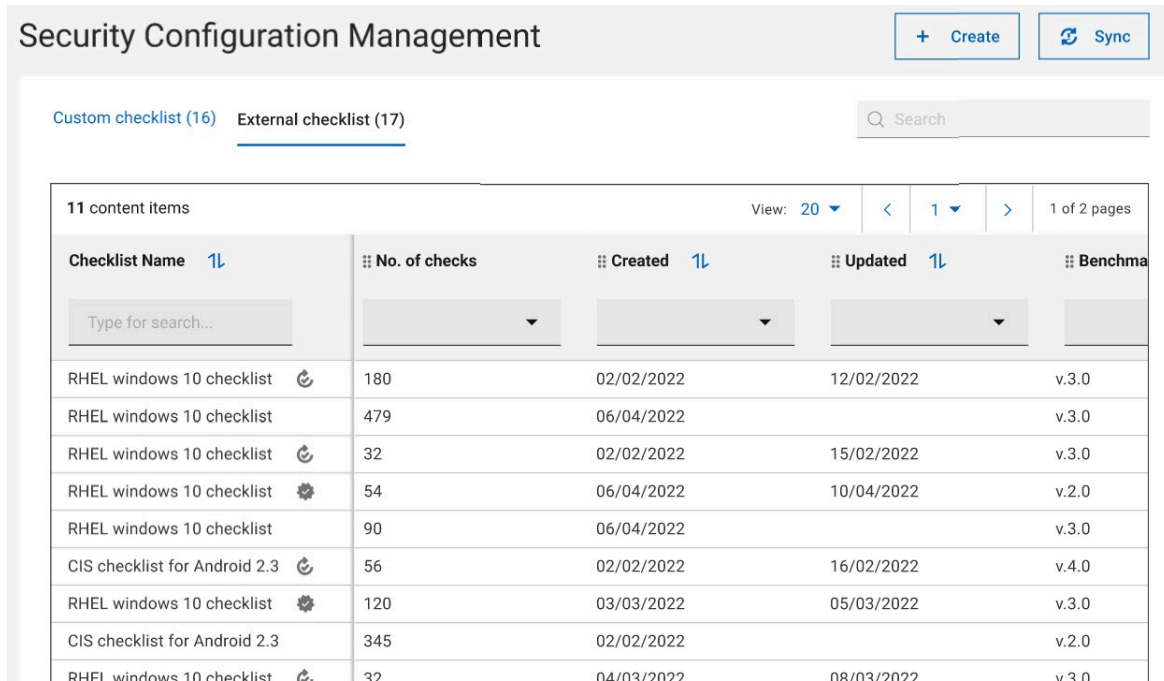
Perform the following steps to deploy an external checklist:

1. Navigate to the SCM App landing page and click the **External checklist** tab.

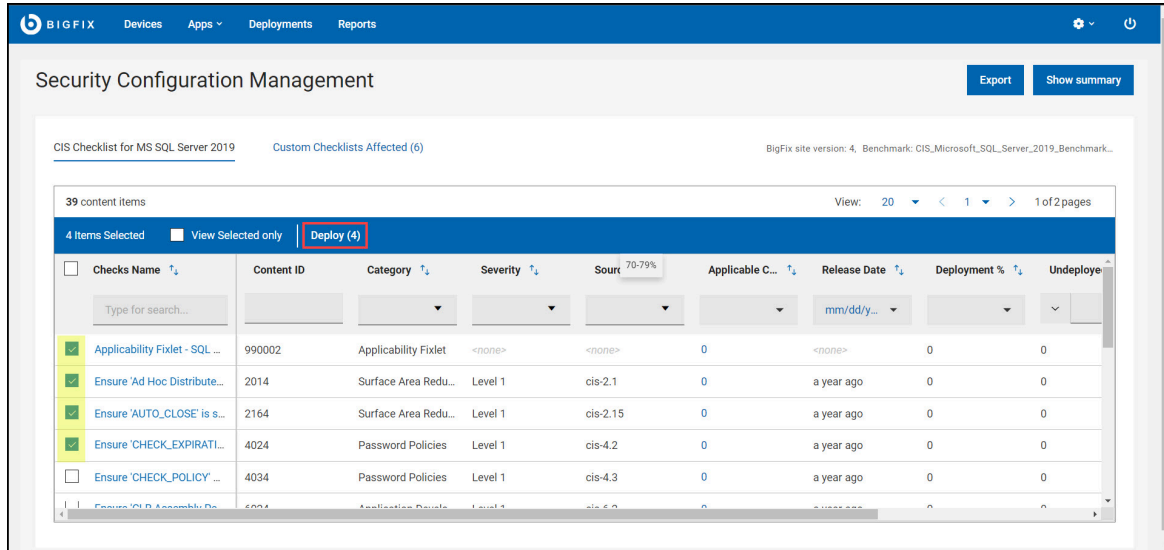


Note: The **Custom checklist** tab is selected by default.

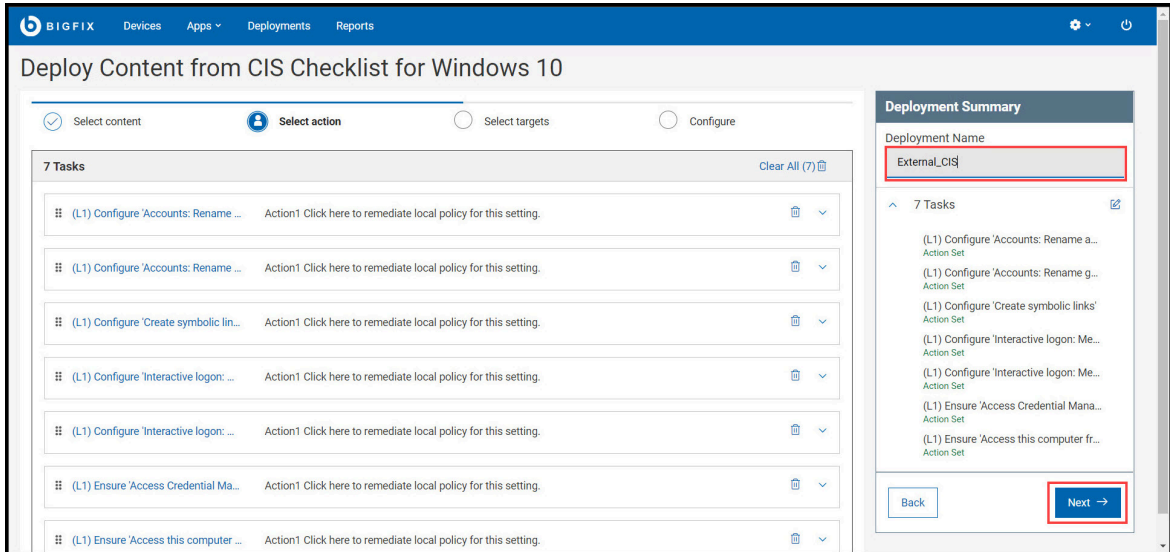
2. Click an **External checklist** tile to deploy.



3. Select the **Checks** and click **deploy**.




4. Review the available tasks and click **Next**.

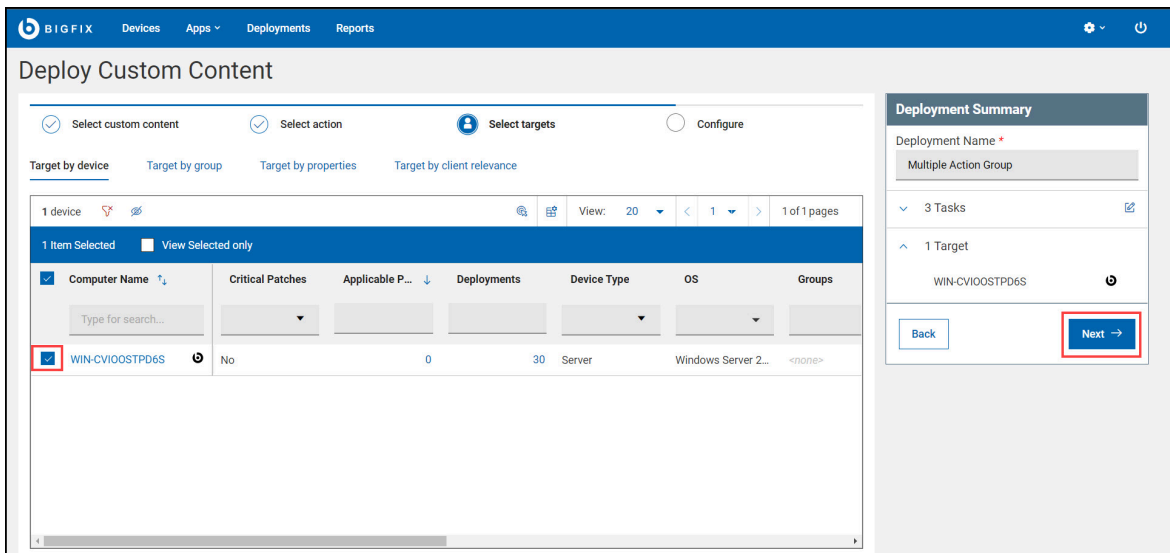


Note:

- You can also rename the **Deployment Name** in **Deployment Summary** panel.

- A warning icon  indicates that the task is not associated with the action.

5. Select the **Target** and click **Next**.



6. Configure your deployment and click **Deploy**.

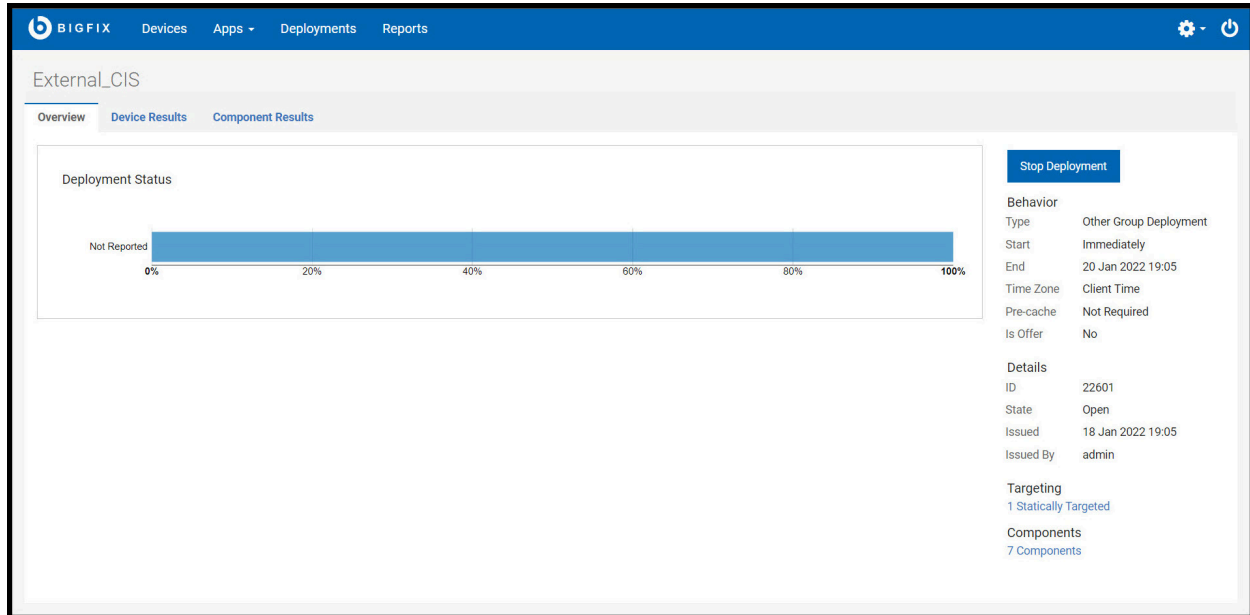
The screenshot displays the 'Deploy Content from CIS Checklist for Windows 10' configuration page in the BIGFIX web interface. The page is divided into a main configuration area and a 'Deployment Summary' sidebar. The main area includes sections for 'Time Zone' (set to Client Time), 'Start' (Immediately), 'End' (01/20/2022 07:06 PM), 'Run between hours' (07:06 AM to 09:06 AM), and 'Run on selected' days (MON, TUE, WED, THU, FRI, SAT, SUN). A checkbox for 'Run all the member actions' is checked. The 'Deployment Summary' sidebar shows 7 tasks and 1 target, and includes a 'Deploy' button highlighted with a red box.



Note:

- Use the **Edit** icon in the subtabs (Run, Users, Messages, Offer, and Post-Action) on the left panel to further fine-tune the deployment. For more information on the subtabs, see [Configuration Options](#).
- Use the **Edit** icon in the Deployment Summary panel to modify tasks and targets.

The Deployment page displays details such as overview, device, and component results. You can also stop the deployment any time by clicking **Stop Deployment**.



- **Overview:** Detailed description of the selected deployment status, behavior, targeting, and more.
- **Device Results:** Target status, which is - the state of the deployment on each endpoint.
- **Component Results:** For content with multiple actions: the deployment status of each component on targeted devices is expressed as a percentage of completion.

You can also view the status of the current or previous deployments in WebUI by clicking **Deployments** in the navigation bar. For more information on deployments, see [The Deployment List](#).



Important:

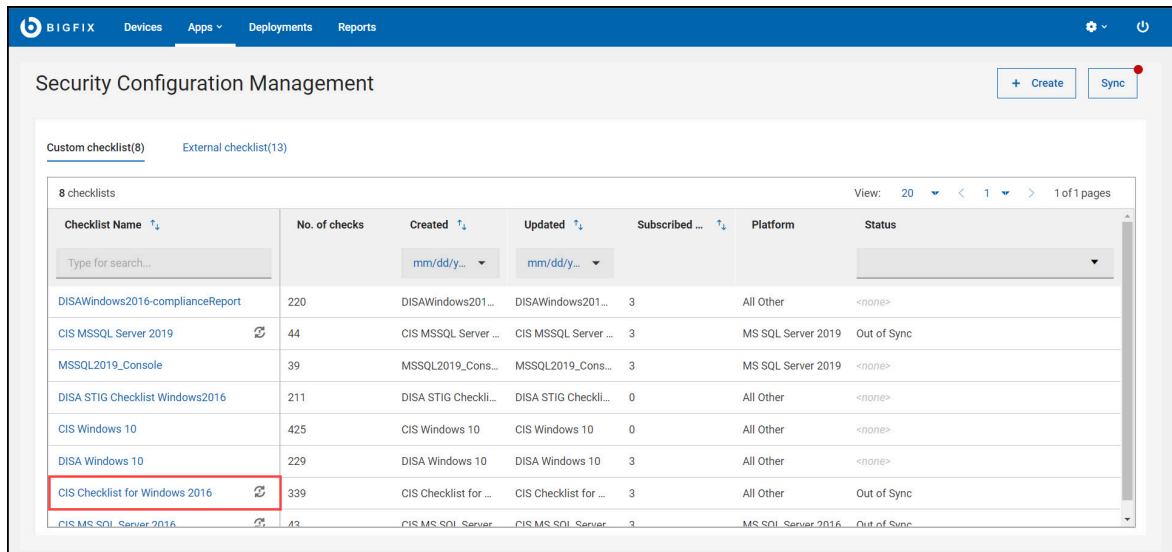
SCM deployments are categorized under the **Other** application type. Use Deployment Name, Issued Date, or other criteria to find deployments.

Exporting report

Use export feature to save report for a particular custom or external checklist.

Perform the following steps to export report of a custom or external checklist:

1. Navigate to the SCM App landing page and click **Custom checklist**.



Security Configuration Management

Custom checklist(8) External checklist(13)

8 checklists

View: 20 < 1 > 1 of 1 pages

Checklist Name	No. of checks	Created	Updated	Subscribed ...	Platform	Status
DISAWindows2016-complianceReport	220	DISAWindows201...	DISAWindows201...	3	All Other	<none>
CIS MSSQL Server 2019	44	CIS MSSQL Server ...	CIS MSSQL Server ...	3	MS SQL Server 2019	Out of Sync
MSSQL2019_Console	39	MSSQL2019_Cons...	MSSQL2019_Cons...	3	MS SQL Server 2019	<none>
DISA STIG Checklist Windows2016	211	DISA STIG Checkli...	DISA STIG Checkli...	0	All Other	<none>
CIS Windows 10	425	CIS Windows 10	CIS Windows 10	0	All Other	<none>
DISA Windows 10	229	DISA Windows 10	DISA Windows 10	3	All Other	<none>
CIS Checklist for Windows 2016	339	CIS Checklist for ...	CIS Checklist for ...	3	All Other	Out of Sync
CIS MS SQL Server 2016	43	CIS MS SQL Server ...	CIS MS SQL Server ...	3	MS SQL Server 2016	Out of Sync

2. In the **custom or external checklist details page**, click **Export**.

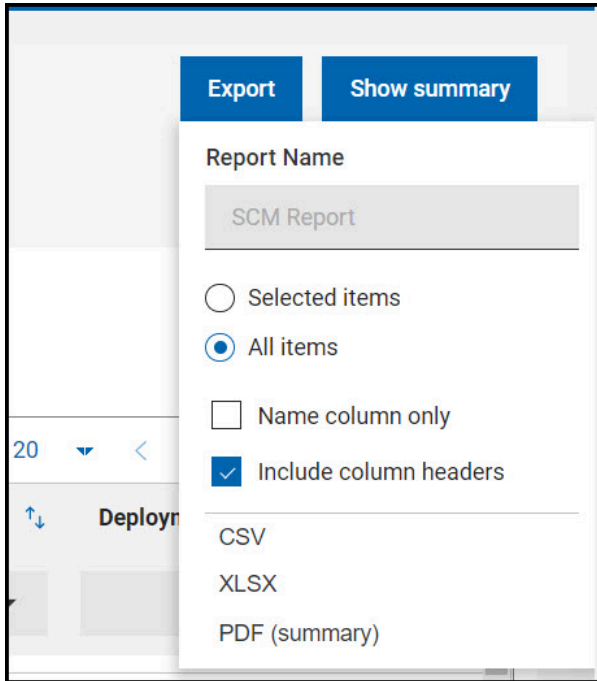


Security Configuration Management

CIS SQL Server 2019 Console

Export Show summary

3. Enter the **Report Name** and click the desired **file format**. (**CSV**, **XLSX**, or **PDF**).



Note: You can use the following options to refine and export the required information:

- Selected items
- All items
- Name column only
- Include column headers

The report is generated and saved in the default download location of your device.

Inline reports

Inline reports provide the status of selected custom or external checklist in the form of chart and graphs which assess the available checks in the selected checklist.

Various status of a check

Inline report consists of **Checks by category**, **Check deployment status**, and **Check compliance status** chart and graphs. To generate these chart and graphs, inline report assesses all the checks and then categorise the checks in the following status:

Deployed

Taking a deployment action on a device. - Deployment on a device.

Success

Deployment on a device and the action is successfully completed (Fixed).

Failed

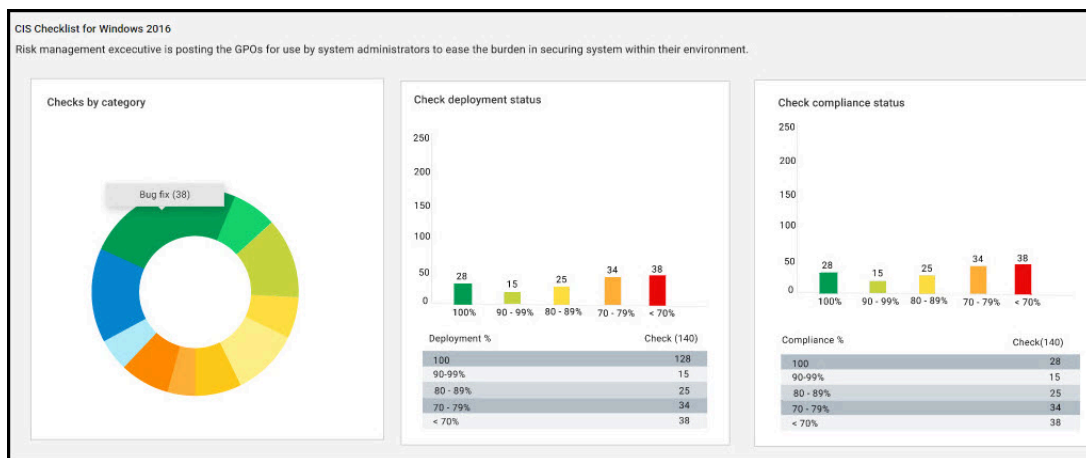
Deployment on a device and the action is unsuccessful (Failed).

Undeployed

Devices on which the deployment has not yet been performed. This does not include the failed checks.

These category helps in calculating the deployment percentage, undeployed device count, compliance percentage, and non-compliant devices count.

Figure 5. Inline reports



To understand how inline reports works, let us consider the following case:

Table 2. Assumptions for Inline reports calculation

Subscribed devices	12
Applicable devices	10 ⁽¹⁾

Table 2. Assumptions for Inline reports calculation (continued)

Deployed devices	8 ⁽²⁾
Undeployed devices	2 ⁽³⁾
Success (Compliant)	5
Failed (Non-compliant)	3

**Note:**

1. The two devices out of 12 subscribed devices are not applicable as they did not pass the relevance check.
2. The deployment to the device must be explicitly done.
3. The check is not deployed on these two devices.

Deployment percentage

The percentage of devices on which the check was deployed (Success or Failed) out of the total number of subscribed devices (12).

Deployment percentage = Number of devices on which check was success or failed divided by the total Number of Subscribed devices for that check

Number of devices on which check was successful or failed is obtained from grouped data, such as **Actions**, **Action Results**, **Computers**, and **Computer sites**.

Deployment percentage = 8/12

Undeployed Devices

The number of devices on which the deployment has not yet been performed.

This data is obtained from the Computer Fixlets table for the check with `isRelevant=1` and excluding the failed ones from result.

Compliance Percentage

The percentage of devices on which the check is compliant (success) or non-relevant out of the total number of subscribed devices (12).

When applicable devices is equal to zero and subscribed count is greater than zero, then the compliance percentage is 100% or else compliance percentage is equal to number of complaint devices (success) divided by the number of subscribed devices.

where,

Number of complaint devices = Subscribed devices - applicable computer count

Compliance percentage = 7/12

Non-compliant Devices

Number of non-compliant devices is equal to the value of applicable computer - count of that check.

Chapter 6. Support

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

- [Knowledge Center](#)
- [BigFix Support Center](#)
- [BigFix Support Portal](#)
- [BigFix Developer](#)
- [BigFix Wiki](#)
- [HCL BigFix Forum](#)

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