



- ⓘ In this tutorial you will learn to create custom rules to detect the installation of authorized and unauthorized software. Here, from within Qualys CyberSecurity Asset Management, click **RULES** at the top of the page.



## 005 - Software Authorization

The screenshot shows the Qualys Cloud Platform interface for CyberSecurity Asset Management. At the top, there's a navigation bar with links for HOME, DASHBOARD, INVENTORY, TAGS, RULES (which is currently selected), RESPONSES, and REPORTS. On the far right of the header are icons for user profile, help, and email. The main content area has a blue background with a dark blue sidebar on the left. The sidebar features the text "Hello Qualys" and "Welcome to CyberSecurity Asset Management". Below this, it says "Identify all systems comprehensively, detect at-risk assets, and respond with appropriate actions to mitigate risk." To the right of the sidebar is a large monitor icon displaying a dashboard with various charts and data points. Below the sidebar are three cards: "Discover and Inventory" (with a server icon), "Detect and Monitor" (with a circular progress icon), and "Report and Respond" (with a gear and shield icon). Each card has a brief description. At the bottom of the main content area, there's a section titled "Your Asset Inventory At-A-Glance" with a sub-instruction "Dive into asset inventory to get detailed insights".



## 005 - Software Authorization

- ⓘ Here, in the RULES section you can edit the rules you have already created. To create a new rule, click the "Create Rule" button.

ORDER NUMBER	RULE	STATUS	SOFTWARE	TAGS
1	<a href="#">EOS Linux Agents</a> Review all Linux agents less than version 2.6.	Enabled	1	Cloud Agent <a href="#">1 more...</a>
2	<a href="#">EOS Windows Agents</a> Review Windows agent versions less than 3.0.	Enabled	1	Cloud Agent <a href="#">1 more...</a>
3	<a href="#">Potentially Malicious Software</a> Packet sniffers and scanning software in unauthoriz...	Enabled	2	Cloud Agent <a href="#">1 more...</a>
4	<a href="#">High-Risk Software for Data Center Assets</a> List of software products that elevate Cybersecurity ...	Enabled	5	Cloud Agent <a href="#">1 more...</a>



## 005 - Software Authorization

- ⓘ For this first example, we'll build a rule to authorize the use of Firefox, on Windows desktop and laptop computers.

Qualys Cloud Platform

### Create New Rule

← Create New Rule

STEPS 1/4

1 Basic Information

2 Select Assets

3 Select Software

4 Review and Confirm

#### Basic Information

Provide a unique name for the rule with a description

Rule Name \*

Rule Description

250/250 characters remaining

---

[Cancel](#) [Next](#)



## 005 - Software Authorization

- ⓘ We have provided a name and description for this rule. To proceed, click the "Next" button.

Qualys Cloud Platform

← Create New Rule

STEPS 1/4

1 Basic Information

2 Select Assets

3 Select Software

4 Review and Confirm

**Basic Information**

Provide a unique name for the rule with a description

Rule Name \*

Firefox Authorized for Windows Desktops and Laptops

Rule Description

Firefox browser is authorized for Windows client hosts (laptops, desktops, etc...)

168/250 characters remaining

---

[Cancel](#) [Next](#)



## 005 - Software Authorization

- ⓘ To select the assets this rule will impact, click the "plus sign" icon.

The screenshot shows the 'Create New Rule' wizard in the Qualys Cloud Platform. The title bar says '← Create New Rule'. On the left, a sidebar lists 'STEPS 2/4': 1 Basic Information (step 1), 2 Select Assets (step 2, currently active), 3 Select Software, and 4 Review and Confirm. The main area is titled 'Select Assets' with the sub-instruction 'Include or exclude assets with the tags selected'. A large callout box contains the rule 'Include hosts having the selected tags: Any' with a dropdown arrow, followed by the explanatory text 'Any host that has even one of selected tags associated with it, will be included.' and a blue circular 'plus sign' button. Below this is an unchecked checkbox labeled 'Exclude hosts for the tags'. At the bottom are 'Cancel', 'Previous', and 'Next' buttons.



## 005 - Software Authorization

- ⓘ Select the check box for the "OS: Windows Client" Asset Tag...

The screenshot shows the 'Select Tags' dialog box from the Qualys Cloud Platform. The dialog has a search bar at the top labeled 'Search for Tags...'. Below it is a list of tags categorized under 'OS: Windows'. The 'OS: Windows Client' tag is highlighted with a yellow selection bar and is the only tag currently selected. Other visible tags include 'Default Dashboard Access Tag', 'Internet Facing Assets', 'Misc.', 'Network', 'OS: Linux', 'OS: Windows Server', and 'Web App'. The background shows the 'Create New Rule' interface with steps 1 through 4 listed on the left.



## 005 - Software Authorization

i

...and click the "Add Tag" button.

The screenshot shows the Qualys Cloud Platform interface for creating a new rule. The main window is titled 'Create New Rule' and is at 'STEPS 2/4'. Step 2, 'Select Assets', is currently active. The user has selected the 'Include' option under 'Any hosts matching the following criteria' and has checked the 'Exclude hosts' checkbox. A modal window titled 'Select Tags' is open, displaying a search bar and a tree view of available tags. The tree structure includes 'All Tags (13)' which branches into 'Default Dashboard Access Tag', 'Internet Facing Assets' (which is highlighted), 'Misc.', 'Network', 'OS' (which branches into 'OS: Linux' and 'OS: Windows'), 'OS: Windows Client' (which is checked and highlighted), 'OS: Windows Server', and 'Web App'. At the bottom of the modal are 'Cancel' and 'Add Tag (1)' buttons, with 'Add Tag (1)' being the active button.



## 005 - Software Authorization

- ⓘ With the "Windows Client" tag included, click the "Next" button.

The screenshot shows the 'Create New Rule' wizard in the Qualys Cloud Platform. The title bar says '← Create New Rule'. The left sidebar lists 'STEPS 2/4': 1 Basic Information (step 1), 2 Select Assets (step 2, currently selected and highlighted in blue), 3 Select Software, and 4 Review and Confirm. The main content area is titled 'Select Assets' with the sub-instruction 'Include or exclude assets with the tags selected'. It shows a configuration section: 'Include hosts having the selected tags: Any' with a dropdown menu, a 'Remove All' button, and a '+' button. A single tag 'OS: Windows Client' is listed with a delete 'X' button. Below this is a checkbox for 'Exclude hosts for the tags'. At the bottom are 'Cancel', 'Previous', and 'Next' buttons, with 'Next' being the active button.



## 005 - Software Authorization

- ⓘ You can create rules to track and report installations of authorized software...

The screenshot shows the 'Create New Rule' interface in the Qualys Cloud Platform. The top navigation bar says '← Create New Rule'. On the left, a vertical sidebar lists 'STEPS 3/4' with numbered steps: 1 Basic Information (done), 2 Select Assets (done), 3 Select Software (in progress, indicated by a blue circle), and 4 Review and Confirm (not yet started). The main content area is titled 'Select Software' with the sub-instruction 'Select the software to be included in the rule'. It contains three sections: 'Add Authorized Software' (highlighted with a red box), 'Add Unauthorized Software', and 'Needs Review'. Each section has a description and a blue '+' button to add items. At the bottom of the main area are 'Cancel', 'Previous', and 'Next' buttons.



## 005 - Software Authorization



...add rules for unauthorized software...

The screenshot shows the 'Create New Rule' interface in the Qualys Cloud Platform. The title bar says 'Create New Rule'. On the left, a sidebar lists 'STEPS 3/4': 1 Basic Information (step 1), 2 Select Assets (step 2), 3 Select Software (step 3, currently selected), and 4 Review and Confirm (step 4). The main area is titled 'Select Software' with the sub-instruction 'Select the software to be included in the rule'. It contains three sections: 'Add Authorized Software' (with a green checkmark icon and a '+' button), 'Add Unauthorized Software' (with a red X icon and a '+' button, this section is highlighted with a red box), and 'Needs Review' (with a question mark icon and a '+' button).



## 005 - Software Authorization

...and rules for software that needs to be reviewed.

The screenshot shows the 'Create New Rule' interface in Qualys Cloud Platform, specifically the 'Select Software' step (Step 3 of 4). The left sidebar lists the steps: 1. Basic Information, 2. Select Assets, 3. Select Software (which is currently active), and 4. Review and Confirm. The main area is titled 'Select Software' and instructs the user to 'Select the software to be included in the rule'. It contains three sections: 'Add Authorized Software' (with a green checkmark icon), 'Add Unauthorized Software' (with a red X icon), and 'Needs Review' (with a yellow question mark icon). The 'Needs Review' section is highlighted with a red border. Each section has a blue '+' button to add items. At the bottom of the screen are 'Cancel', 'Previous', and 'Next' buttons.



- ⓘ Click the "plus sign" icon to **Add Authorized Software**.

The screenshot shows the 'Create New Rule' process in the Qualys Cloud Platform. The left sidebar indicates 'STEPS 3/4' with steps 1 through 4: Basic Information, Select Assets, Select Software (which is currently selected), and Review and Confirm. The main content area is titled 'Select Software' and instructs the user to 'Select the software to be included in the rule'. It lists three categories, each with a blue '+' button to add items:

- Add Authorized Software**: Select applications, releases, publishers or categories that are explicitly authorized in this environment.
- Add Unauthorized Software**: Select applications, releases, publishers or categories that are explicitly unauthorized in this environment.
- Needs Review**: Select applications, releases, publishers or categories that needs to be reviewed before marking as Authorized or Unauthorized.

At the bottom of the screen are 'Cancel', 'Previous', and 'Next' buttons.



## 005 - Software Authorization

- From the "Software Selector" page, you can use the "Search" field (at the top) or the faceted search pane (on the left) to help you locate installed software applications.

The screenshot shows the Qualys Cloud Platform Software Selector interface. On the left, there's a sidebar with filters for License (Open Source: 151, Commercial: 72), Platform (64-Bit: 40, 32-Bit: 1), Lifecycle (Beta: 1, GA: 36, EOL: 19, EOL/EOS: 109, OS Dependent: 4, 2 more), End of Life (EOL within 3 months: 4, EOL 3 to 6 months: 5, EOL 6 to 9 months: 1), and Authorization (Needs Review: 11). The main area displays a table of software products with columns for Product, Publisher, and Category. The first few rows include Firefox (Mozilla, Network Application, Internet Browser), Mtools (GNU Project, Auxiliary Software, File Management), Emacs (Free Software Foundation, Productivity, Word Processor), Wireshark (Wireshark, Networking, Network Performance Monitoring and Diagnostics (NPMD)), Abstract Machine Test Utility (AMTU) (debora,ksimon,Emily Ratliff, Auxiliary Software, Diagnostic and Optimization), Pam Smb (Airlie, Koriordan, Security, Authentication), LFTP (Alexander V. Lukyanov, Network Application, File Transfer and Sharing), OpenJade (OpenJade Project, Application Development, Development Tool), udftools (Pali Rohár, Auxiliary Software, Other), and Zisofs Tools (H. Peter Anvin, Auxiliary Software).

PRODUCT	PUBLISHER	CATEGORY
Firefox	Mozilla	Network Application Internet Browser
Mtools	GNU Project	Auxiliary Software File Management
Emacs	Free Software Foundation	Productivity Word Processor
Wireshark	Wireshark	Networking Network Performance Monitoring and Diagnostics (NPMD)
Abstract Machine Test Utility (AMTU)	debora,ksimon,Emily Ratliff	Auxiliary Software Diagnostic and Optimization
Pam Smb	Airlie, Koriordan	Security Authentication
LFTP	Alexander V. Lukyanov	Network Application File Transfer and Sharing
OpenJade	OpenJade Project	Application Development Development Tool
udftools	Pali Rohár	Auxiliary Software Other
Zisofs Tools	H. Peter Anvin	Auxiliary Software



## 005 - Software Authorization

- ⓘ Select the check box for **Firefox**, at the top of the software list...

Qualys Cloud Platform

← Software Selector

230 Total Products

LICENSE

Open Source	151
Commercial	72

PLATFORM

64-Bit	40
32-Bit	1

LIFECYCLE

Beta	1
GA	36
EOL	19
EOL/EOS	109
OS Dependent	4
2 more	▼

END OF LIFE

EOL within 3 mon...	4
EOL 3 to 6 months	5
EOL 6 to 9 months	1

AUTHORIZATION

Needs Review	11
--------------	----

Search for software... ? ≡

Add To Rule

1 - 50 of 75 ◀ ▶ ⟳ ⚙️

PRODUCT	PUBLISHER	CATEGORY
<input type="checkbox"/> Firefox	Mozilla	Network Application Internet Browser
Mtools	GNU Project	Auxiliary Software File Management
Emacs	Free Software Foundation	Productivity Word Processor
Wireshark	Wireshark	Networking Network Performance Monitoring and Diagnostics (NPMD)
Abstract Machine Test Utility (AMTU)	debora,ksimon,Emily Ratliff	Auxiliary Software Diagnostic and Optimization
Pam Smb	Airlied, Koriordan	Security Authentication
LFTP	Alexander V. Lukyanov	Network Application File Transfer and Sharing
OpenJade	OpenJade Project	Application Development Development Tool
udftools	Pali Rohár	Auxiliary Software Other
Zisofs Tools	H. Peter Anvin	Auxiliary Software



## 005 - Software Authorization

...and click the "Add To Rule" button.

The screenshot shows the Qualys Cloud Platform Software Selector interface. On the left, there's a sidebar with statistics: 230 Total Products, categorized by License (Open Source: 151, Commercial: 72), Platform (64-Bit: 40, 32-Bit: 1), Lifecycle (Beta: 1, GA: 36, EOL: 19, EOL/EOS: 109, OS Dependent: 4), End of Life (EOL within 3 mon...: 4, EOL 3 to 6 months: 5, EOL 6 to 9 months: 1), and Authorization (Needs Review: 11). The main area is titled "Software Selector" and contains a search bar and a table of software products. The table has columns: PRODUCT, PUBLISHER, and CATEGORY. The first product listed is Firefox, selected with a checkbox, followed by Mtools, Emacs, Wireshark, Abstract Machine Test Utility (AMTU), Pam Smb, LFTP, OpenJade, udftools, and Zisofs Tools. The interface includes navigation buttons for page 1-50 of 75 and various settings icons.

PRODUCT	PUBLISHER	CATEGORY
Firefox	Mozilla	Network Application Internet Browser
Mtools	GNU Project	Auxiliary Software File Management
Emacs	Free Software Foundation	Productivity Word Processor
Wireshark	Wireshark	Networking Network Performance Monitoring and Diagnostics (NPMD)
Abstract Machine Test Utility (AMTU)	debora,ksimon,Emily Ratliff	Auxiliary Software Diagnostic and Optimization
Pam Smb	Airlied, Koriordan	Security Authentication
LFTP	Alexander V. Lukyanov	Network Application File Transfer and Sharing
OpenJade	OpenJade Project	Application Development Development Tool
udftools	Pali Rohár	Auxiliary Software Other
Zisofs Tools	H. Peter Anvin	Auxiliary Software



## 005 - Software Authorization

- ⓘ Initially, this software rule is configured to authorize any version of Firefox.

Qualys. Cloud Platform

← Create New Rule

STEPS 3/4

1 Basic Information  
2 Select Assets  
3 Select Software  
4 Review and Confirm

Select Software

Select the software to be included in the rule

Add Authorized Software

Remove Selected

<input type="checkbox"/>	PRODUCT	PUBLISHER	CATEGORY	CRITERIA	VERSIONS/UPDATES
	Firefox	Mozilla	Network Application / Internet...	ANY - Version	ANY

Add Unauthorized Software

Select applications, releases, publishers or categories that are explicitly unauthorized in this environment.

Needs Review

Select applications, releases, publishers or categories that needs to be reviewed before marking as Authorized or Unauthorized.

Cancel Previous Next



## 005 - Software Authorization

- ⓘ Alternatively, you could click the "Modify" link, to provide specific product version numbers.

The screenshot shows the 'Create New Rule' interface in Qualys Cloud Platform, specifically the 'Select Software' step (Step 3 of 4). The left sidebar displays the steps: 1. Basic Information, 2. Select Assets, 3. Select Software (which is currently active), and 4. Review and Confirm.

**Select Software**  
Select the software to be included in the rule

**Add Authorized Software**

<input type="checkbox"/>	PRODUCT	PUBLISHER	CATEGORY	CRITERIA	VERSIONS/UPDATES
	Firefox	Mozilla	Network Application / Internet...	ANY - Version <a href="#">Modify</a>	ANY

**Add Unauthorized Software**  
Select applications, releases, publishers or categories that are explicitly unauthorized in this environment.

**Needs Review**  
Select applications, releases, publishers or categories that needs to be reviewed before marking as Authorized or Unauthorized.

Buttons at the bottom: Cancel, Previous, Next



## 005 - Software Authorization

- ⓘ Click the "Next" button to continue...

Qualys Cloud Platform

← Create New Rule

STEPS 3/4

- 1 Basic Information
- 2 Select Assets
- 3 Select Software
- 4 Review and Confirm

Select Software

Select the software to be included in the rule

Add Authorized Software

Remove Selected

<input type="checkbox"/>	PRODUCT	PUBLISHER	CATEGORY	CRITERIA	VERSIONS/UPDATES
	Firefox	Mozilla	Network Application / Internet...	ANY - Version	ANY

Add Unauthorized Software

Select applications, releases, publishers or categories that are explicitly unauthorized in this environment.

Needs Review

Select applications, releases, publishers or categories that needs to be reviewed before marking as Authorized or Unauthorized.

Cancel Previous Next



## 005 - Software Authorization



...and then click the "Finish" button.

The screenshot shows the 'Create New Rule' wizard in the Qualys Cloud Platform. The current step is 'Basic Information'. The left sidebar shows the four-step process: Step 1 (Basic Information) is completed, Step 2 (Select Assets), Step 3 (Select Software), and Step 4 (Review and Confirm) are pending. The main area displays the rule configuration:

**Basic Information**

Name: Firefox Authorized for Windows Desktops and Laptops  
Description: Firefox browser is authorized for Windows client hosts (laptops, desktops, etc...)

**Select Assets**

Include hosts that have Any of the tags below  
OS: Windows Client

**Select Software**

**Authorized Software**

PRODUCT	PUBLISHER	CATEGORY	CRITERIA	VERSIONS/UPDATES
Firefox	Mozilla	Network Application / Internet Browser	ANY - Version	ANY

At the bottom are 'Cancel', 'Previous', and a prominent blue 'Finish' button.



## 005 - Software Authorization

- ⓘ The new software rule is added to the bottom of the list and its present STATUS is Disabled.

The screenshot shows the 'Software Rules' section of the Qualys Cloud Platform. There are five rules listed:

ORDER NUMBER	RULE	STATUS	SOFTWARE	TAGS
1	<b>EOS Linux Agents</b> Review all Linux agents less than version 2.6.	Enabled	1	Cloud Agent 1 more...
2	<b>EOS Windows Agents</b> Review Windows agent versions less than 3.0.	Enabled	1	Cloud Agent 1 more...
3	<b>Potentially Malicious Software</b> Packet sniffers and scanning software in unauthorized...	Enabled	2	Cloud Agent 1 more...
4	<b>High-Risk Software for Data Center Assets</b> List of software products that elevate Cybersecurity ...	Enabled	5	Cloud Agent 1 more...
5	Firefox Authorized for Windows Desktops and ... Firefox browser is authorized for Windows client hos...	Disabled	1	OS: Windows Client



## 005 - Software Authorization

⌚ Click to open the "Quick Actions" menu for this rule...

The screenshot shows the Qualys Cloud Platform interface for CyberSecurity Asset Management. The top navigation bar includes links for HOME, DASHBOARD, INVENTORY, TAGS, RULES (which is currently selected), RESPONSES, and REPORTS. The user profile icon is also present in the top right.

The main content area is titled "Software Rules". Below the title, there are several buttons: a checkbox labeled "Actions (0)", "Reorder", "Create Rule", "Rules", and "Software".

A table lists five software rules:

ORDER NUMBER	RULE	STATUS	SOFTWARE	TAGS
1	<b>EOS Linux Agents</b> Review all Linux agents less than version 2.6.	Enabled	1	Cloud Agent 1 more...
2	<b>EOS Windows Agents</b> Review Windows agent versions less than 3.0.	Enabled	1	Cloud Agent 1 more...
3	<b>Potentially Malicious Software</b> Packet sniffers and scanning software in unauthorized...	Enabled	2	Cloud Agent 1 more...
4	<b>High-Risk Software for Data Center Assets</b> List of software products that elevate Cybersecurity ...	Enabled	5	Cloud Agent 1 more...
5	Firefox Authorized for Windows Desktops and ... Firefox browser is authorized for Windows client hos...	Disabled	1	OS: Windows Client



## 005 - Software Authorization



...and select **Enable**.

The screenshot shows the Qualys Cloud Platform interface for CyberSecurity Asset Management. The top navigation bar includes links for HOME, DASHBOARD, INVENTORY, TAGS, RULES (which is underlined), RESPONSES, and REPORTS. The RULES section is currently active. Below the navigation is a blue header bar labeled "Software Rules". The main content area displays a table of software rules:

ORDER NUMBER	RULE	STATUS	SOFTWARE	TAGS
1	<b>EOS Linux Agents</b> Review all Linux agents less than version 2.6.	Enabled	1	Cloud Agent 1 more...
2	<b>EOS Windows Agents</b> Review Windows agent versions less than 3.0.	Enabled	1	Cloud Agent 1 more...
3	<b>Potentially Malicious Software</b> Packet sniffers and scanning software in unauthorized...	Enabled	2	Cloud Agent 1 more...
4	<b>High-Risk Software for Data Center Assets</b> List of software products that elevate Cybersecurity ...	Enabled	5	Cloud Agent 1 more...
5	Firefox Authorized for Windows Desktop Firefox browser is authorized for Windows cli...	Disabled	1	OS: Windows Client

A context menu is open over the fifth row (rule 5), specifically over the "Quick Actions" dropdown. The menu items are: Quick Actions ▾, View, Edit, Delete, and Enable. The "Enable" option is highlighted with a gray background, indicating it is the selected action.



## 005 - Software Authorization



The rule to authorize Firefox for Windows clients has been successfully enabled. We'll now create a rule for Windows Servers.

The screenshot shows the Qualys Cloud Platform interface for CyberSecurity Asset Management. The top navigation bar includes links for HOME, DASHBOARD, INVENTORY, TAGS, RULES (which is underlined in blue), RESPONSES, and REPORTS. On the far right are user icons for profile, help, and email. The main content area is titled "Software Rules". Below the title are buttons for Actions (0), Reorder, Create Rule, Rules, and Software. A table lists five software rules:

ORDER NUMBER	RULE	STATUS	SOFTWARE	TAGS
1	<a href="#">EOS Linux Agents</a> Review all Linux agents less than version 2.6.	Enabled	1	Cloud Agent 1 more...
2	<a href="#">EOS Windows Agents</a> Review Windows agent versions less than 3.0.	Enabled	1	Cloud Agent 1 more...
3	<a href="#">Potentially Malicious Software</a> Packet sniffers and scanning software in unauthoriz...	Enabled	2	Cloud Agent 1 more...
4	<a href="#">High-Risk Software for Data Center Assets</a> List of software products that elevate Cybersecurity ...	Enabled	5	Cloud Agent 1 more...
5	<a href="#">Firefox Authorized for Windows Desktops and...</a> Firefox browser is authorized for Windows client hos...	Enabled	1	OS: Windows Client



## 005 - Software Authorization



Once again, click the "Create Rule" button.

The screenshot shows the Qualys Cloud Platform interface for CyberSecurity Asset Management. The top navigation bar includes links for HOME, DASHBOARD, INVENTORY, TAGS, RULES (which is underlined in blue), RESPONSES, and REPORTS. On the far right are icons for user profile, help, and email. The main content area is titled "Software Rules". Below the title is a toolbar with buttons for Actions (0), Reorder, Create Rule (which is highlighted in red), Rules, and Software. A table lists five software rules:

ORDER NUMBER	RULE	STATUS	SOFTWARE	TAGS
1	<b>EOS Linux Agents</b> Review all Linux agents less than version 2.6.	Enabled	1	Cloud Agent 1 more...
2	<b>EOS Windows Agents</b> Review Windows agent versions less than 3.0.	Enabled	1	Cloud Agent 1 more...
3	<b>Potentially Malicious Software</b> Packet sniffers and scanning software in unauthorized...	Enabled	2	Cloud Agent 1 more...
4	<b>High-Risk Software for Data Center Assets</b> List of software products that elevate Cybersecurity ...	Enabled	5	Cloud Agent 1 more...
5	<b>Firefox Authorized for Windows Desktops and...</b> Firefox browser is authorized for Windows client hos...	Enabled	1	OS: Windows Client



## 005 - Software Authorization

- ⓘ For this next example, we'll build a rule to restrict the use of Firefox, on Windows Servers.

Qualys Cloud Platform

← Create New Rule

STEPS 1/4

1 Basic Information

2 Select Assets

3 Select Software

4 Review and Confirm

**Basic Information**

Provide a unique name for the rule with a description

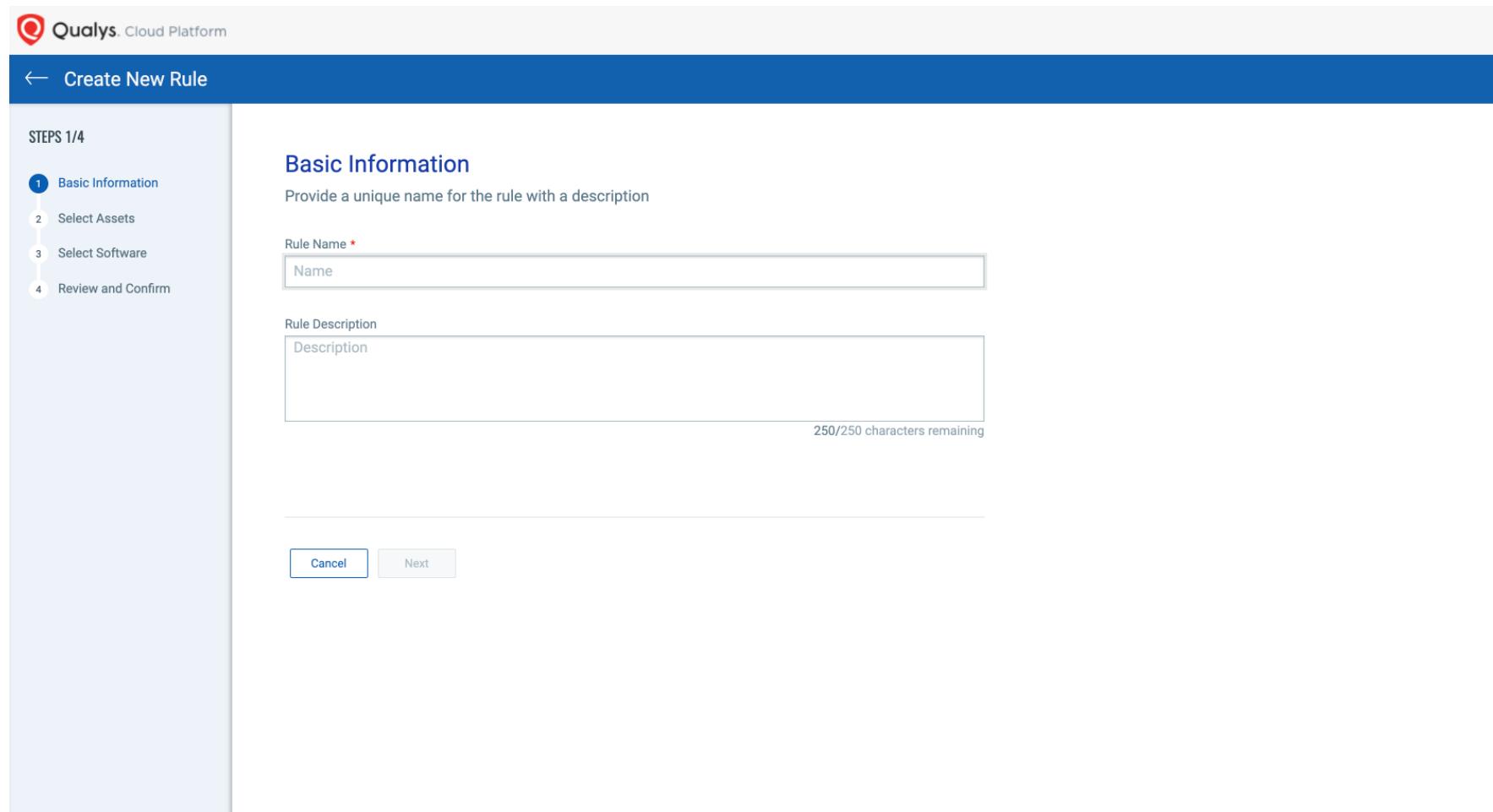
Rule Name \*

Rule Description

250/250 characters remaining

---

[Cancel](#) [Next](#)





## 005 - Software Authorization

- ⓘ We have provided a name and description for this rule. To proceed, click the "Next" button.

Qualys Cloud Platform

← Create New Rule

STEPS 1/4

1 Basic Information

2 Select Assets

3 Select Software

4 Review and Confirm

**Basic Information**

Provide a unique name for the rule with a description

Rule Name \*

Firefox NOT Authorized for Windows Servers

Rule Description

Firefox browser is not authorized for Windows server hosts.

191/250 characters remaining

---

[Cancel](#) [Next](#)



## 005 - Software Authorization

- ⓘ Click the "plus sign" icon to select assets for this rule.

The screenshot shows the 'Create New Rule' interface in Qualys Cloud Platform. The top navigation bar includes the Qualys logo and the title 'Create New Rule'. On the left, a vertical sidebar lists 'STEPS 2/4': 1. Basic Information (step 1), 2. Select Assets (step 2, currently selected), 3. Select Software, and 4. Review and Confirm. The main content area is titled 'Select Assets' with the sub-instruction 'Include or exclude assets with the tags selected'. A central panel contains a 'Hosts' icon and the text 'Include hosts having the selected tags: Any'. A note below states 'Any host that has even one of selected tags associated with it, will be included.' To the right of this panel is a blue circular button with a white '+' sign. Below this panel is a checkbox labeled 'Exclude hosts for the tags'. At the bottom of the page are three buttons: 'Cancel', 'Previous', and 'Next'.



## 005 - Software Authorization

- ⓘ Click the check box for the "Windows Server" Asset Tag...

The screenshot shows the Qualys Cloud Platform interface for creating a new rule. The left sidebar indicates the current step is 'Select Assets' (Step 2 of 4). The main area displays a 'Select Assets' dialog with two sections: 'Include' (selected) and 'Exclude hosts'. The 'Include' section lists 'Any host matching these tags' and includes a search bar 'Search for Tags...'. A modal window titled 'Select Tags' is overlaid on the screen, containing a tree view of asset tags. The path selected is: All Tags (13) > Misc. > Network > OS > OS: Linux > OS: Windows > OS: Windows Client > OS: Windows Server. The 'OS: Windows Server' tag is highlighted with a blue selection bar.



## 005 - Software Authorization

i

...and click the "Add Tag" button.

The screenshot shows the Qualys Cloud Platform interface for creating a new rule. The main window is titled 'Create New Rule' and is on 'STEP 2/4: Select Assets'. It includes tabs for 'Basic Information', 'Select Assets' (which is active), 'Select Software', and 'Review and Confirm'. The 'Select Assets' tab has sections for 'Include hosts' (with a checkbox) and 'Exclude hosts' (with a checkbox). A 'Search for Tags...' input field is present. A modal window titled 'Select Tags' is overlaid, containing a search bar and a tree view of tags. The tree shows 'All Tags (13)' expanded, with 'Default Dashboard Access Tag' and 'Internet Facing Assets' under it. Under 'Misc.', there are 'Network' and 'OS' branches. 'OS' is expanded, showing 'OS: Linux' and 'OS: Windows' branches. 'OS: Windows' is expanded, showing 'OS: Windows Client' and 'OS: Windows Server'. 'OS: Windows Server' is selected and highlighted with a blue border. At the bottom of the modal are 'Cancel' and 'Add Tag (1)' buttons, with 'Add Tag (1)' being highlighted.



## 005 - Software Authorization

- ⓘ With the "Windows Server" tag included, click the "**Next**" button.

The screenshot shows the 'Create New Rule' wizard in the Qualys Cloud Platform. The title bar says 'Create New Rule'. On the left, a sidebar lists 'STEPS 2/4': 1 Basic Information (step 1), 2 Select Assets (step 2, currently active and highlighted in blue), 3 Select Software, and 4 Review and Confirm. The main content area is titled 'Select Assets' and contains the instruction 'Include or exclude assets with the tags selected'. A section titled 'Include hosts having the selected tags:' has a dropdown set to 'Any' and a 'Remove All' button. Below this is a list box containing 'OS: Windows Server' with a delete 'X' icon. There is also an unchecked checkbox for 'Exclude hosts for the tags'. At the bottom are 'Cancel', 'Previous', and 'Next' buttons, with 'Next' being the large, prominent blue button.



## 005 - Software Authorization

- ⓘ Click the "plus sign" icon for the option to **Add Unauthorized Software**.

The screenshot shows the 'Create New Rule' interface in the Qualys Cloud Platform. The title bar says '← Create New Rule'. On the left, a sidebar lists 'STEPS 3/4': 1 Basic Information (step 1), 2 Select Assets (step 2), 3 Select Software (step 3, currently selected), and 4 Review and Confirm (step 4). The main area is titled 'Select Software' with the sub-instruction 'Select the software to be included in the rule'. It contains three sections: 'Add Authorized Software' (with a green checkmark icon and a plus sign button), 'Add Unauthorized Software' (with a red X icon and a plus sign button), and 'Needs Review' (with a yellow question mark icon and a plus sign button).



## 005 - Software Authorization

- ⓘ From the "Software Selector" list, select the check box for **Firefox**...

Qualys Cloud Platform

← Software Selector

230 Total Products

LICENSE

Open Source	151
Commercial	72

PLATFORM

64-Bit	40
32-Bit	1

LIFECYCLE

Beta	1
GA	36
EOL	19
EOL/EOS	109
OS Dependent	4
2 more	▼

END OF LIFE

EOL within 3 mon...	4
EOL 3 to 6 months	5
EOL 6 to 9 months	1

AUTHORIZATION

Needs Review	11
--------------	----

Search for software... ? ≡

Add To Rule

1 - 50 of 75 ◀ ▶ ⟳ ⚙️

PRODUCT	PUBLISHER	CATEGORY
<input type="checkbox"/> Firefox	Mozilla	Network Application Internet Browser
Mtools	GNU Project	Auxiliary Software File Management
Emacs	Free Software Foundation	Productivity Word Processor
Wireshark	Wireshark	Networking Network Performance Monitoring and Diagnostics (NPMD)
Abstract Machine Test Utility (AMTU)	debora,ksimon,Emily Ratliff	Auxiliary Software Diagnostic and Optimization
Pam Smb	Airlie, Koriordan	Security Authentication
LFTP	Alexander V. Lukyanov	Network Application File Transfer and Sharing
OpenJade	OpenJade Project	Application Development Development Tool
udftools	Pali Rohár	Auxiliary Software Other
Zisofs Tools	H. Peter Anvin	Auxiliary Software



## 005 - Software Authorization

...and click the "Add To Rule" button.

The screenshot shows the Qualys Cloud Platform Software Selector interface. On the left, there's a sidebar with statistics: 230 Total Products, categorized by License (Open Source: 151, Commercial: 72), Platform (64-Bit: 40, 32-Bit: 1), Lifecycle (Beta: 1, GA: 36, EOL: 19, EOL/EOS: 109, OS Dependent: 4), and End of Life (EOL within 3 mon...: 4, EOL 3 to 6 months: 5, EOL 6 to 9 months: 1). There's also an Authorization section for 'Needs Review' with 11 items. The main area is titled 'Software Selector' with a search bar and a blue 'Add To Rule' button. It lists 75 software entries in a table format with columns: PRODUCT, PUBLISHER, and CATEGORY. The first entry, 'Firefox', has a checked checkbox next to it. Other entries include Mtools, Emacs, Wireshark, Abstract Machine Test Utility (AMTU), Pam Smb, LFTP, OpenJade, udftools, and Zisofs Tools. The interface includes navigation buttons for page 1-50 of 75 and various settings icons.

PRODUCT	PUBLISHER	CATEGORY
Firefox	Mozilla	Network Application Internet Browser
Mtools	GNU Project	Auxiliary Software File Management
Emacs	Free Software Foundation	Productivity Word Processor
Wireshark	Wireshark	Networking Network Performance Monitoring and Diagnostics (NPMD)
Abstract Machine Test Utility (AMTU)	debora,ksimon,Emily Ratliff	Auxiliary Software Diagnostic and Optimization
Pam Smb	Airlied, Koriordan	Security Authentication
LFTP	Alexander V. Lukyanov	Network Application File Transfer and Sharing
OpenJade	OpenJade Project	Application Development Development Tool
udftools	Pali Rohár	Auxiliary Software Other
Zisofs Tools	H. Peter Anvin	Auxiliary Software



## 005 - Software Authorization

- ⓘ This rule will identify any version of Firefox, running on a Windows Server, as unauthorized.

The screenshot shows the 'Create New Rule' interface in Qualys Cloud Platform, specifically Step 3: Select Software. The left sidebar lists steps 1 through 4: Basic Information, Select Assets, Select Software (which is currently selected), and Review and Confirm. The main area is titled 'Select Software' and instructs the user to 'Select the software to be included in the rule'. It contains three sections: 'Add Authorized Software' (with a note to select explicitly authorized applications), 'Add Unauthorized Software' (with a note to select applications that need review before being marked as authorized or unauthorized), and 'Needs Review' (with a note to select applications that need review before marking as Authorized or Unauthorized). The 'Add Unauthorized Software' section is highlighted with a red box. Inside this box, there is a table with the following data:

<input type="checkbox"/>	PRODUCT	PUBLISHER	CATEGORY	CRITERIA	VERSIONS/UPDATES
	Firefox	Mozilla	Network Application / Internet...	ANY - Version <a href="#">Modify</a>	ANY <a href="#">X</a>

At the bottom of the page are 'Cancel', 'Previous', and 'Next' buttons.



## 005 - Software Authorization

- ⓘ Click the "Next" button to continue...

Qualys Cloud Platform

← Create New Rule

STEPS 3/4

1 Basic Information  
2 Select Assets  
3 Select Software  
4 Review and Confirm

Select Software

Select the software to be included in the rule

Add Authorized Software

Select applications, releases, publishers or categories that are explicitly authorized in this environment.

+ Add Unauthorized Software

Remove Selected +

0 Software selected

<input type="checkbox"/>	PRODUCT	PUBLISHER	CATEGORY	CRITERIA	VERSIONS/UPDATES
	Firefox	Mozilla	Network Application / Internet...	ANY - Version <a href="#">Modify</a>	ANY <a href="#">X</a>

Needs Review

Select applications, releases, publishers or categories that needs to be reviewed before marking as Authorized or Unauthorized.

+ Cancel Previous Next



## 005 - Software Authorization



...and then click the "Finish" button.

The screenshot shows the 'Create New Rule' wizard in the Qualys Cloud Platform. The current step is 'Select Software' (Step 4 of 4). The rule name is 'Firefox NOT Authorized for Windows Servers' and the description is 'Firefox browser is not authorized for Windows server hosts'. Under 'Select Assets', the tag 'OS: Windows Server' is selected. Under 'Select Software', 'Firefox' is listed as unauthorized software. The interface includes 'Cancel', 'Previous', and 'Finish' buttons at the bottom.

Define a rule name and description that uniquely describes the software policy for a given scope of assets.

**Basic Information**

Name: Firefox NOT Authorized for Windows Servers  
Description: Firefox browser is not authorized for Windows server hosts.

**Select Assets**

Include hosts that have Any of the tags below

OS: Windows Server

**Select Software**

**Unauthorized Software**

PRODUCT	PUBLISHER	CATEGORY	CRITERIA	VERSIONS/UPDATES
Firefox	Mozilla	Network Application / Internet Browser	ANY - Version	ANY

Cancel Previous Finish



## 005 - Software Authorization

- ⓘ The new rule has been added to the bottom of the list, in the "Disabled" status.

The screenshot shows the Qualys Cloud Platform interface for CyberSecurity Asset Management. The top navigation bar includes links for HOME, DASHBOARD, INVENTORY, TAGS, RULES (which is currently selected), RESPONSES, and REPORTS. Below the navigation is a blue header bar with the title 'Software Rules'. The main content area displays a table of software rules:

ORDER NUMBER	RULE	STATUS	SOFTWARE	TAGS
1	<b>EOS Linux Agents</b> Review all Linux agents less than version 2.6.	Enabled	1	Cloud Agent 1 more...
2	<b>EOS Windows Agents</b> Review Windows agent versions less than 3.0.	Enabled	1	Cloud Agent 1 more...
3	<b>Potentially Malicious Software</b> Packet sniffers and scanning software in unauthorized...	Enabled	2	Cloud Agent 1 more...
4	<b>High-Risk Software for Data Center Assets</b> List of software products that elevate Cybersecurity ...	Enabled	5	Cloud Agent 1 more...
5	<b>Firefox Authorized for Windows Desktops and...</b> Firefox browser is authorized for Windows client hos...	Enabled	1	OS: Windows Client
6	Firefox NOT Authorized for Windows Servers Firefox browser is not authorized for Windows server...	Disabled	1	OS: Windows Server



## 005 - Software Authorization

⌚ Click to open the "Quick Actions" menu for this rule...

The screenshot shows the Qualys Cloud Platform interface for CyberSecurity Asset Management. The top navigation bar includes links for HOME, DASHBOARD, INVENTORY, TAGS, RULES (which is underlined), RESPONSES, and REPORTS. On the far right are user icons for profile, help, and email.

The main content area is titled "Software Rules". Below it is a table with columns: ORDER NUMBER, RULE, STATUS, SOFTWARE, and TAGS. The table lists six rules:

ORDER NUMBER	RULE	STATUS	SOFTWARE	TAGS
1	<b>EOS Linux Agents</b> Review all Linux agents less than version 2.6.	Enabled	1	Cloud Agent 1 more...
2	<b>EOS Windows Agents</b> Review Windows agent versions less than 3.0.	Enabled	1	Cloud Agent 1 more...
3	<b>Potentially Malicious Software</b> Packet sniffers and scanning software in unauthorized...	Enabled	2	Cloud Agent 1 more...
4	<b>High-Risk Software for Data Center Assets</b> List of software products that elevate Cybersecurity ...	Enabled	5	Cloud Agent 1 more...
5	<b>Firefox Authorized for Windows Desktops and...</b> Firefox browser is authorized for Windows client hos...	Enabled	1	OS: Windows Client
6	Firefox NOT Authorized for Windows Servers Firefox browser is not authorized for Windows server...	Disabled	1	OS: Windows Server

A red box highlights the "Actions (0)" dropdown menu for the last row (rule 6). The "Actions" menu typically contains options like "Edit Rule", "Delete Rule", and "Run Rule".



## 005 - Software Authorization



...and select **Enable**.

The screenshot shows the Qualys Cloud Platform interface for CyberSecurity Asset Management. The top navigation bar includes links for HOME, DASHBOARD, INVENTORY, TAGS, RULES (which is underlined in blue), RESPONSES, and REPORTS. The user is currently viewing the Software Rules section. The main table displays five existing rules and one rule being modified. Rule number 6, titled "Firefox NOT Authorized for Windows Server", has its status changed from "Disabled" to "Enabled". A "Quick Actions" dropdown menu is open next to rule 6, showing options: View, Edit, Delete, and Enable, with "Enable" highlighted.

ORDER NUMBER	RULE	STATUS	SOFTWARE	TAGS
1	<a href="#">EOS Linux Agents</a> Review all Linux agents less than version 2.6.	Enabled	1	Cloud Agent 1 more...
2	<a href="#">EOS Windows Agents</a> Review Windows agent versions less than 3.0.	Enabled	1	Cloud Agent 1 more...
3	<a href="#">Potentially Malicious Software</a> Packet sniffers and scanning software in unauthorized...	Enabled	2	Cloud Agent 1 more...
4	<a href="#">High-Risk Software for Data Center Assets</a> List of software products that elevate Cybersecurity ...	Enabled	5	Cloud Agent 1 more...
5	<a href="#">Firefox Authorized for Windows Desktops and...</a> Firefox browser is authorized for Windows client hos...	Enabled	1	OS: Windows Client
6	<a href="#">Firefox NOT Authorized for Windows Server</a> Firefox browser is not authorized for Window...	Disabled	1	OS: Windows Server



## 005 - Software Authorization



The rule to restrict Firefox on Windows Servers has been successfully enabled. Rules at the top of the list have precedence over the rules below. The "Reorder" button can be used to change the rule order.

The screenshot shows the 'Software Rules' section of the Qualys Cloud Platform. The page header includes the Qualys logo, navigation links for HOME, DASHBOARD, INVENTORY, TAGS, RULES (which is underlined), RESPONSES, and REPORTS, and user icons for profile, help, and email. The main title is 'Software Rules'. Below it is a toolbar with 'Actions (0) ▾', 'Reorder' (button), 'Create Rule' (button), 'Rules' (button), and 'Software' (button). The main content area displays a table with the following data:

ORDER NUMBER	RULE	STATUS	SOFTWARE	TAGS
1	<a href="#">EOS Linux Agents</a> Review all Linux agents less than version 2.6.	Enabled	1	Cloud Agent 1 more...
2	<a href="#">EOS Windows Agents</a> Review Windows agent versions less than 3.0.	Enabled	1	Cloud Agent 1 more...
3	<a href="#">Potentially Malicious Software</a> Packet sniffers and scanning software in unauthoriz...	Enabled	2	Cloud Agent 1 more...
4	<a href="#">High-Risk Software for Data Center Assets</a> List of software products that elevate Cybersecurity ...	Enabled	5	Cloud Agent 1 more...
5	<a href="#">Firefox Authorized for Windows Desktops and...</a> Firefox browser is authorized for Windows client hos...	Enabled	1	OS: Windows Client
6	<a href="#">Firefox NOT Authorized for Windows Servers</a> Firefox browser is not authorized for Windows server...	Enabled	1	OS: Windows Server



## 005 - Software Authorization



This concludes the "Software Authorization Rules" tutorial. You may close this window and return to the Lab Tutorial Supplement.

The screenshot shows the Qualys Cloud Platform interface for CyberSecurity Asset Management. The top navigation bar includes links for HOME, DASHBOARD, INVENTORY, TAGS, RULES (which is underlined), RESPONSES, and REPORTS. The RULES section is currently active. On the left, there's a sidebar with 'Actions (0)', 'Reorder', 'Create Rule' (button), 'Rules' (button), and 'Software' (button). The main content area is titled 'Software Rules'. It displays a table with the following data:

ORDER NUMBER	RULE	STATUS	SOFTWARE	TAGS
1	<a href="#">EOS Linux Agents</a> Review all Linux agents less than version 2.6.	Enabled	1	Cloud Agent [1 more...]
2	<a href="#">EOS Windows Agents</a> Review Windows agent versions less than 3.0.	Enabled	1	Cloud Agent [1 more...]
3	<a href="#">Potentially Malicious Software</a> Packet sniffers and scanning software in unauthorized...	Enabled	2	Cloud Agent [1 more...]
4	<a href="#">High-Risk Software for Data Center Assets</a> List of software products that elevate Cybersecurity ...	Enabled	5	Cloud Agent [1 more...]
5	<a href="#">Firefox Authorized for Windows Desktops and...</a> Firefox browser is authorized for Windows client hos...	Enabled	1	OS: Windows Client
6	<a href="#">Firefox NOT Authorized for Windows Servers</a> Firefox browser is not authorized for Windows server...	Enabled	1	OS: Windows Server



## 005 - Software Authorization



Scan to go to the interactive player