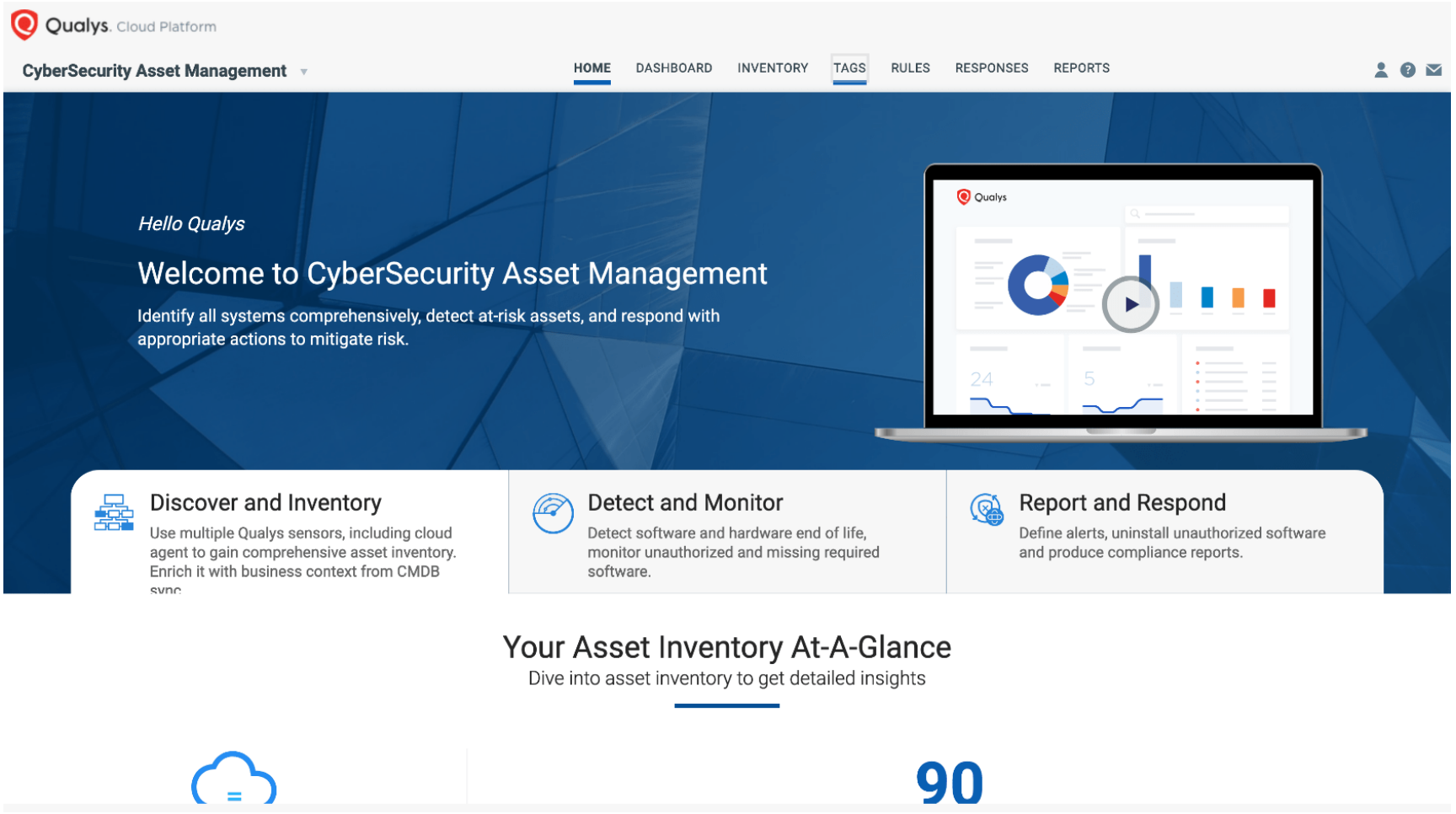
003 - Dynamic Rule-Based Tags

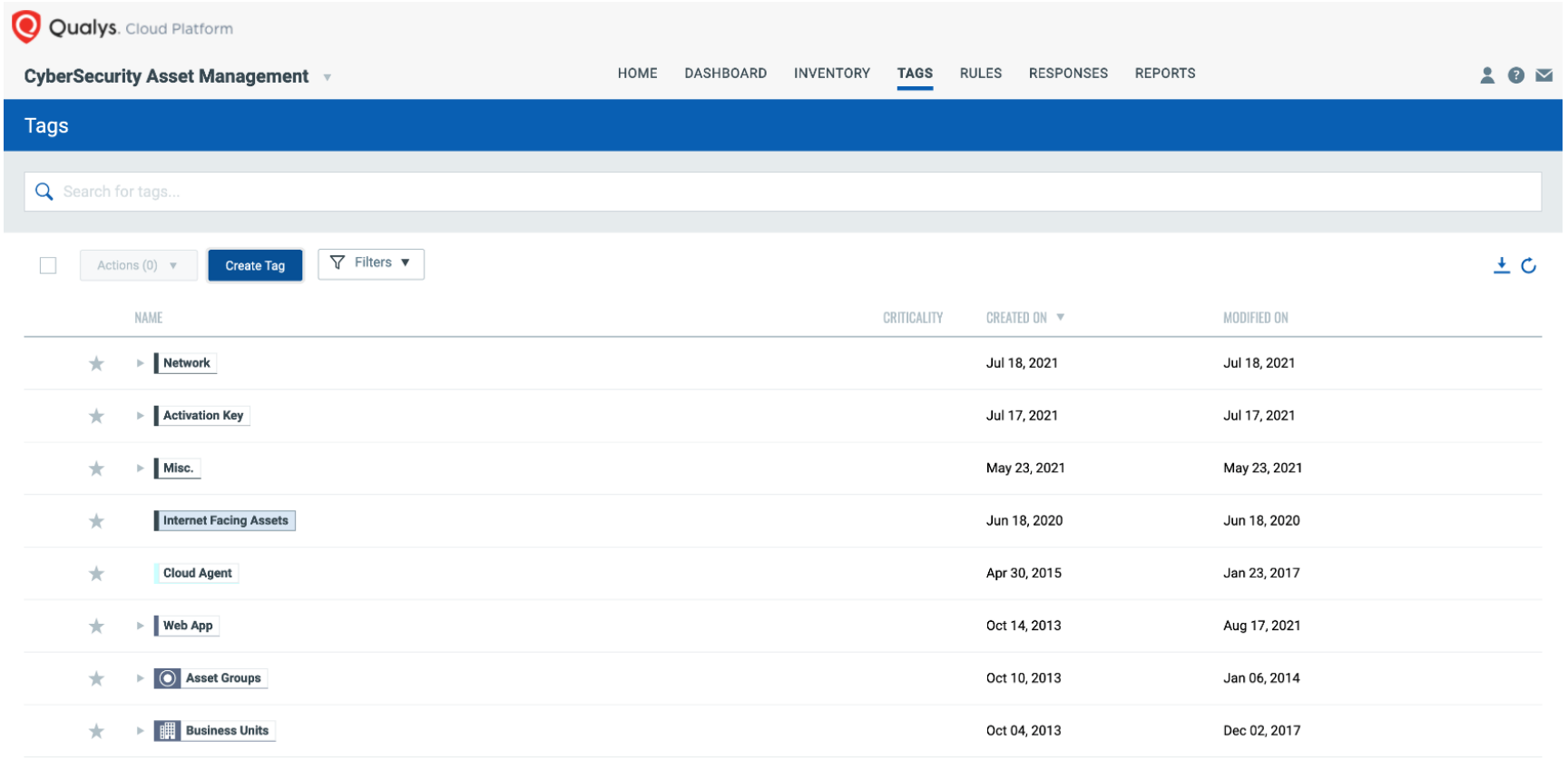
The categorization and asset enrichment data provided by Qualys CyberSecurity Asset Management, can be leveraged to build some very useful Asset Tags. To demonstrate this, click TAGS at the top of the page.

003 - Dynamic Rule-Based Tags



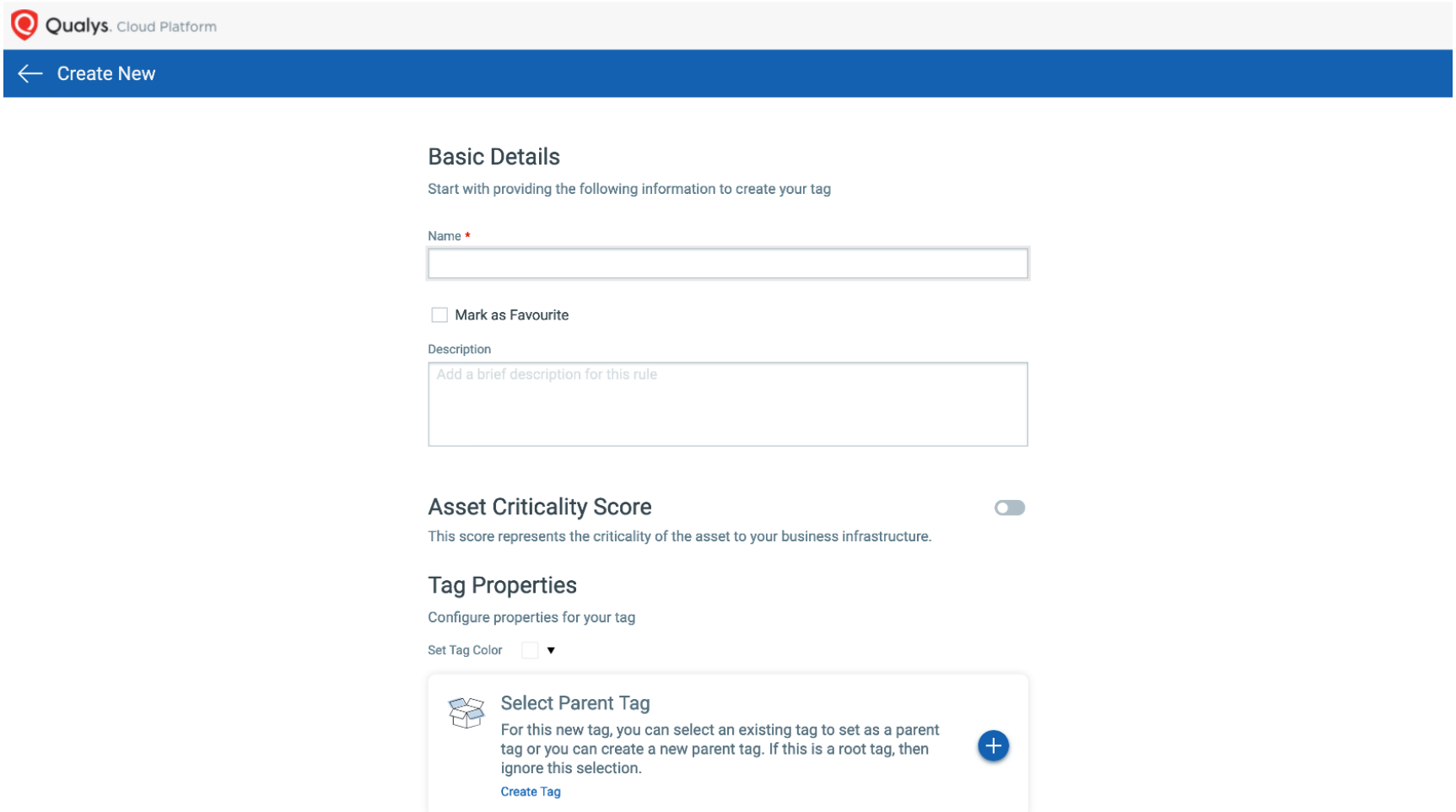
003 - Dynamic Rule-Based Tags

Here, in the TAGS section (just below the "Search" field) click the "Create Tag" button.

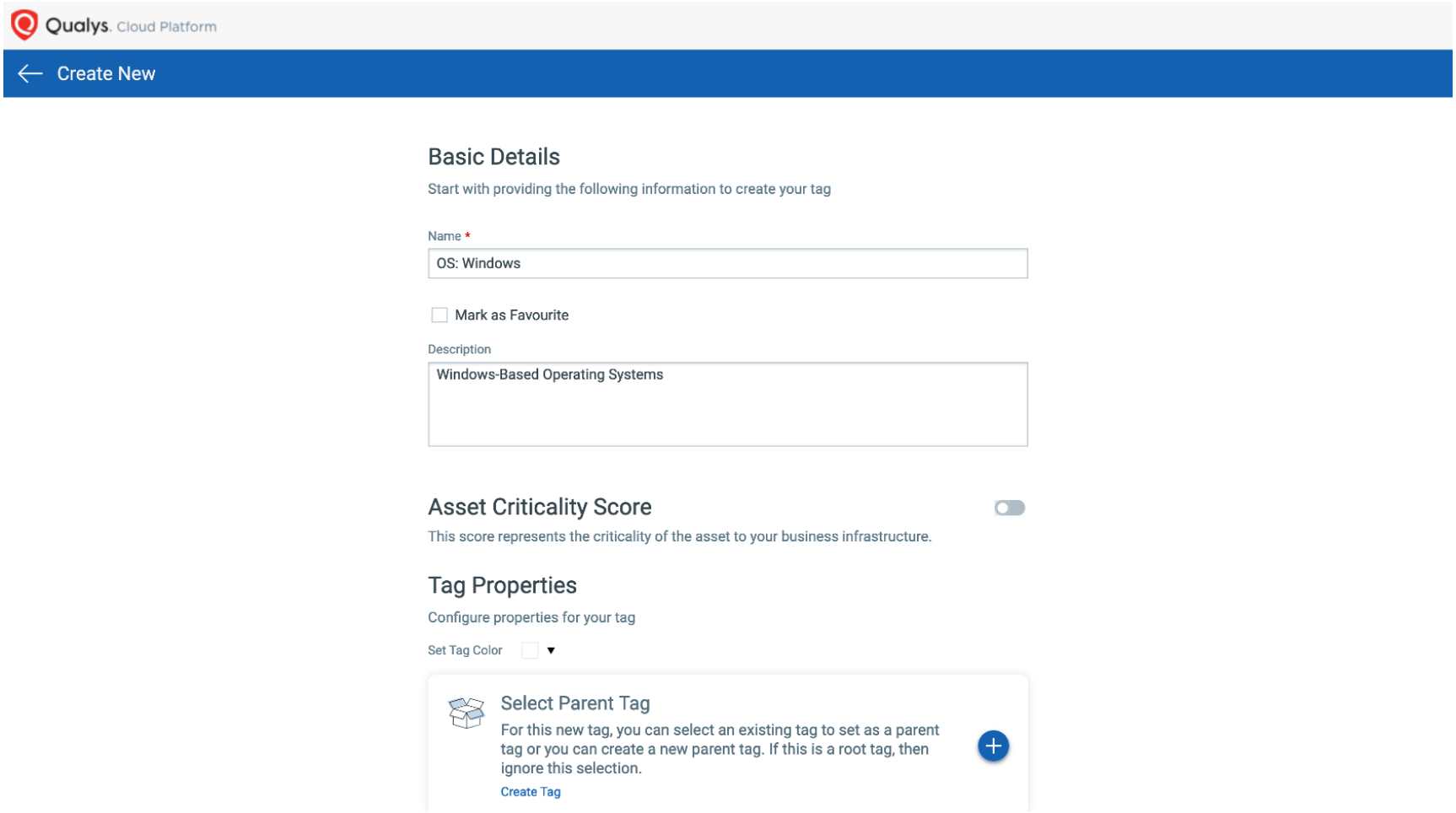


003 - Dynamic Rule-Based Tags

This tag will be used to identify all hosts with Windows-based operating systems. We'll give it an appropriate name and description.

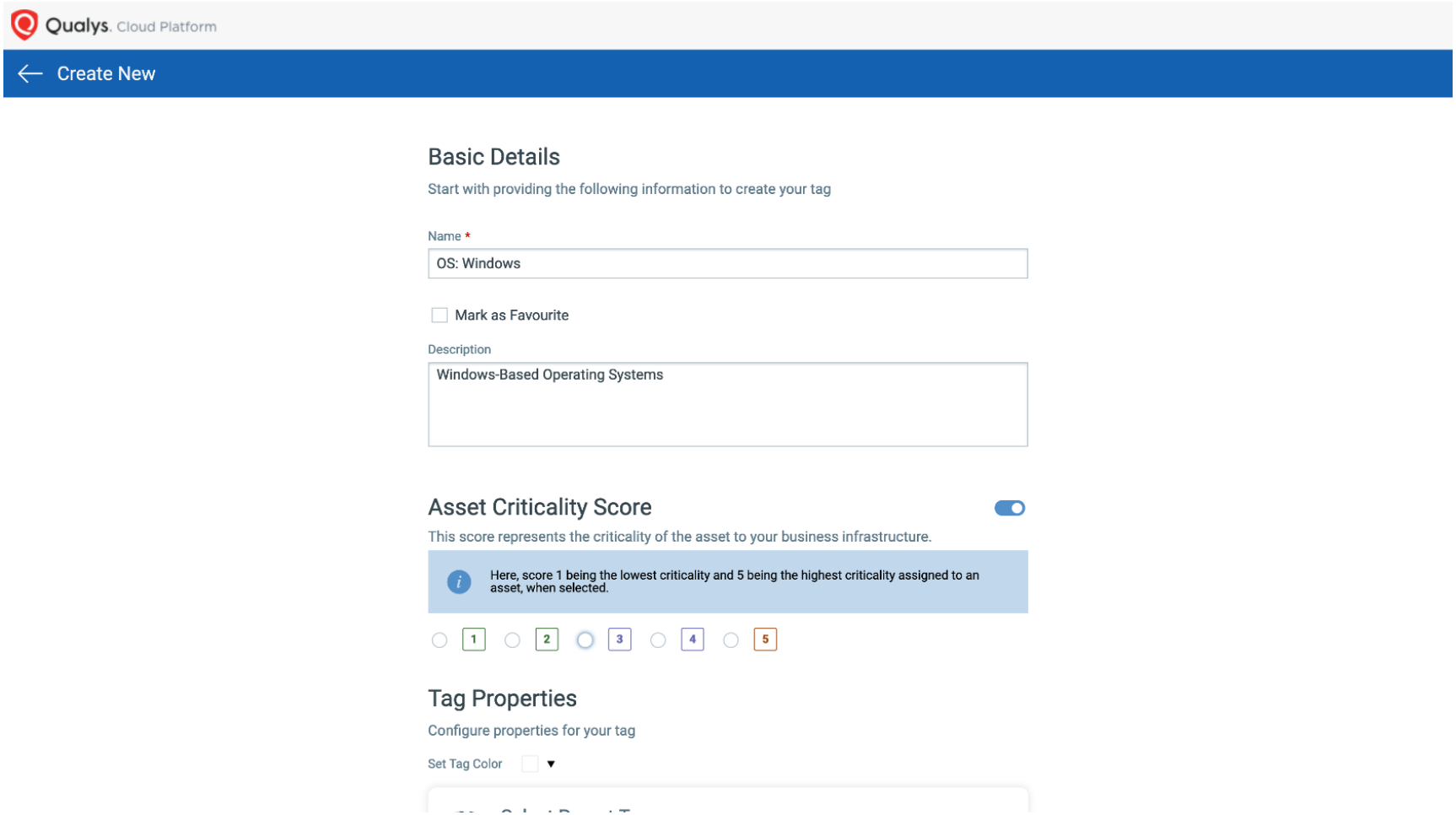


Just below the "Description" field, click the toggle switch to enable the Asset Criticality Score.

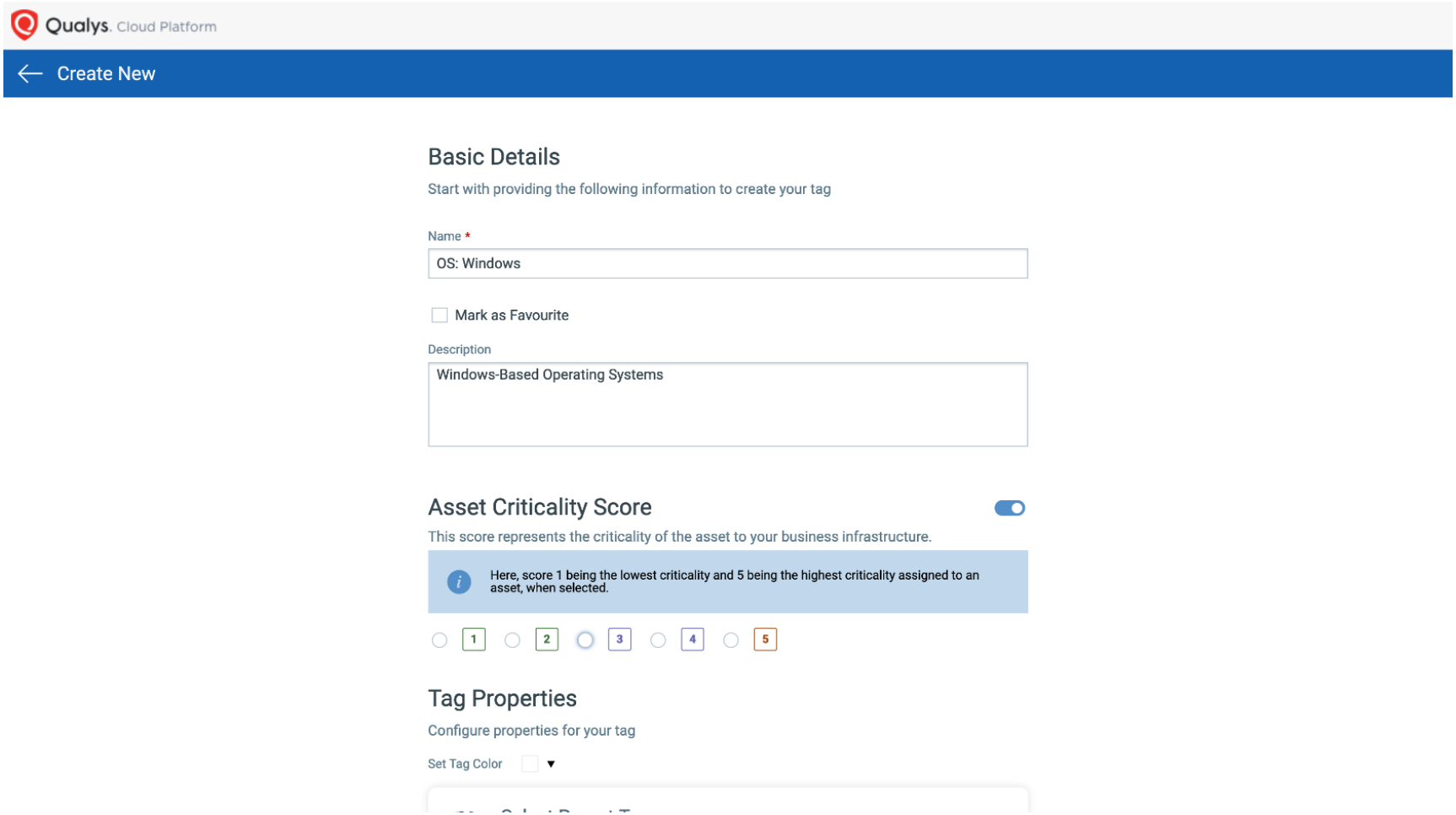


003 - Dynamic Rule-Based Tags

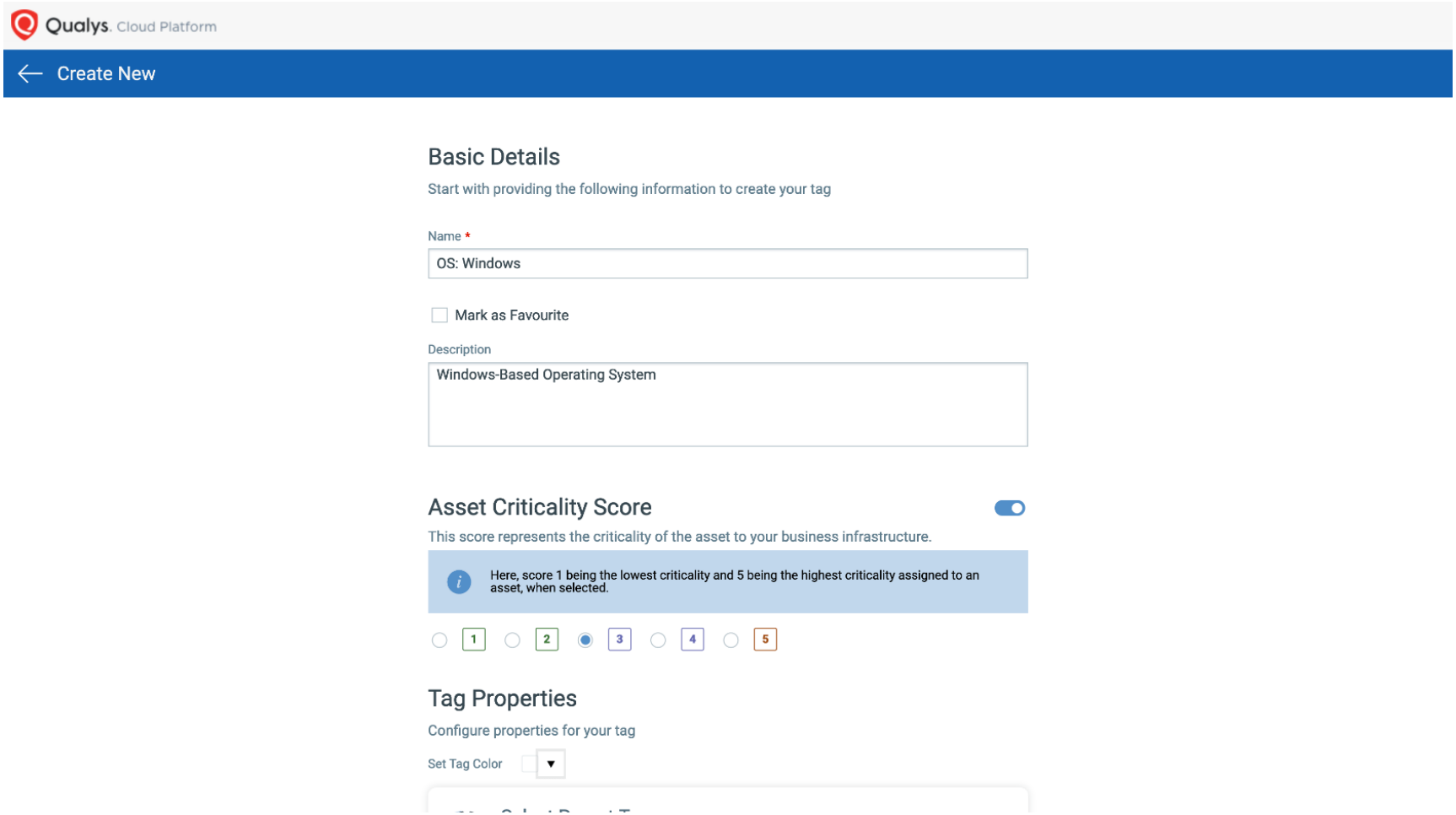
Asset Criticality Score, provides a way to rank the criticality of assets this tag will label. One is the least critical score, while five is the most critical.



For this example, select three.

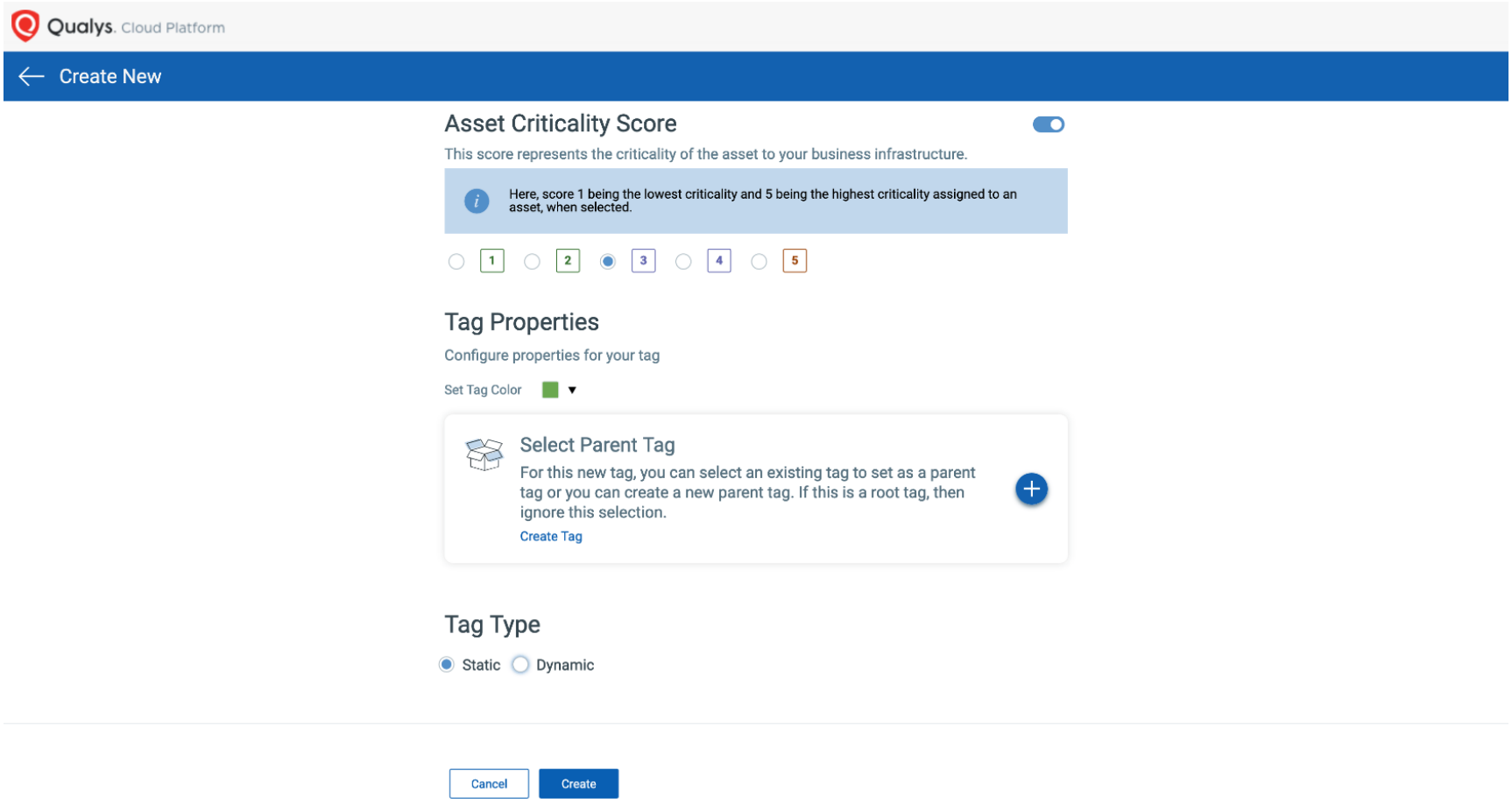


We'll now scroll-down to the bottom of the "Create New Tag" wizard.



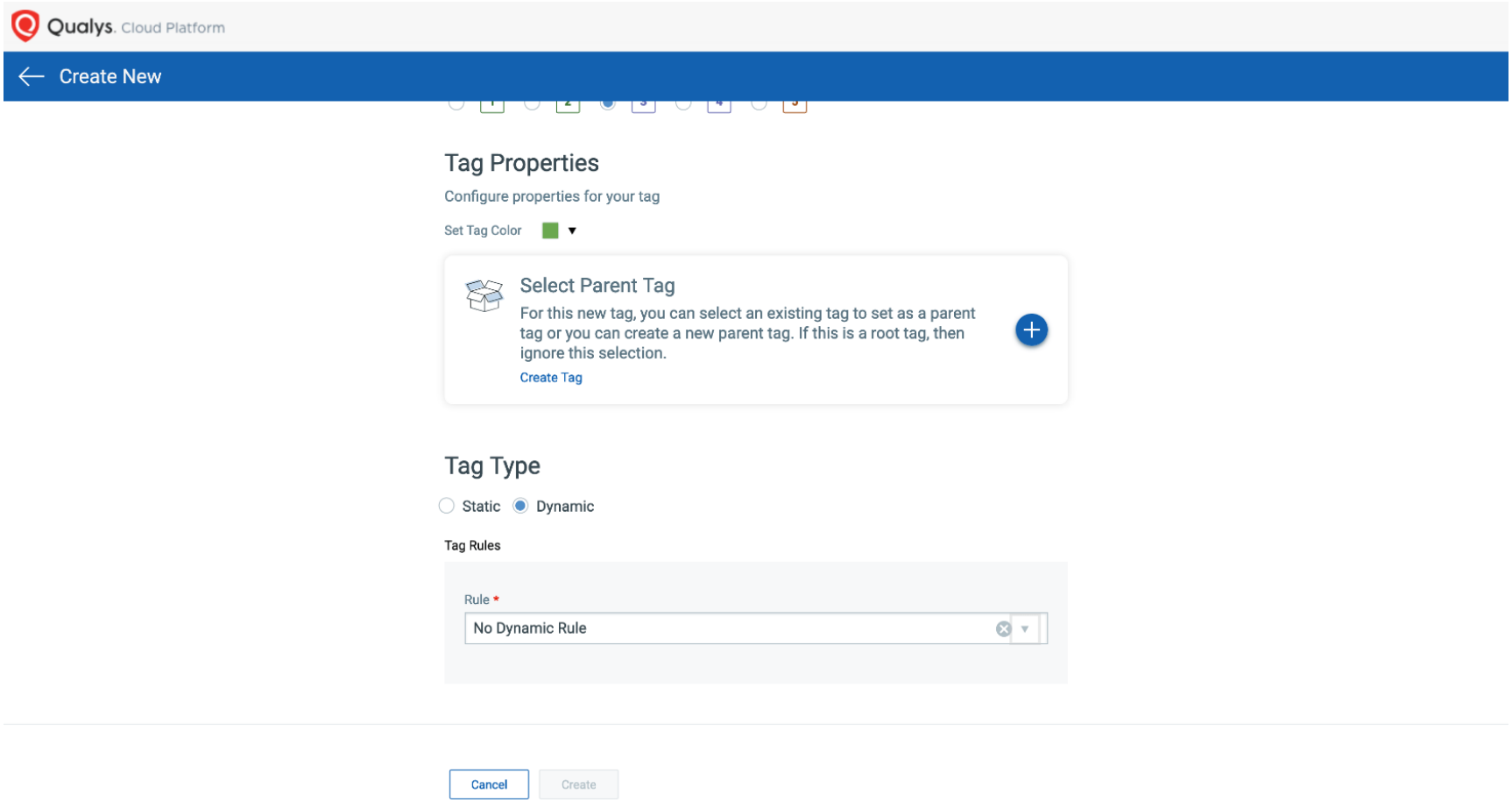
003 - Dynamic Rule-Based Tags

Under Tag Type, select the "Dynamic" radio button.



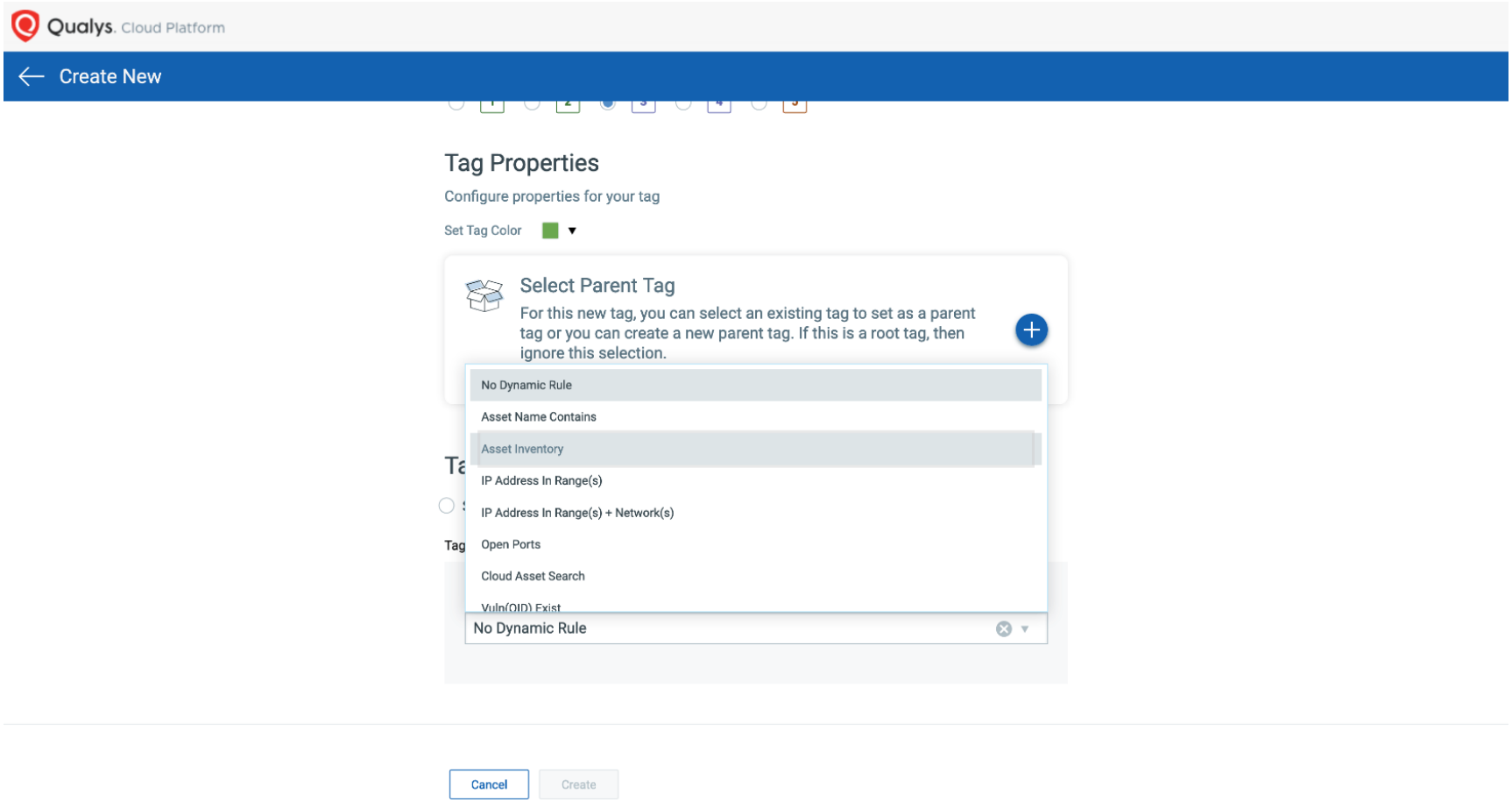
003 - Dynamic Rule-Based Tags

Under Tag Rules, click to open the "Rule" drop-down menu...



003 - Dynamic Rule-Based Tags

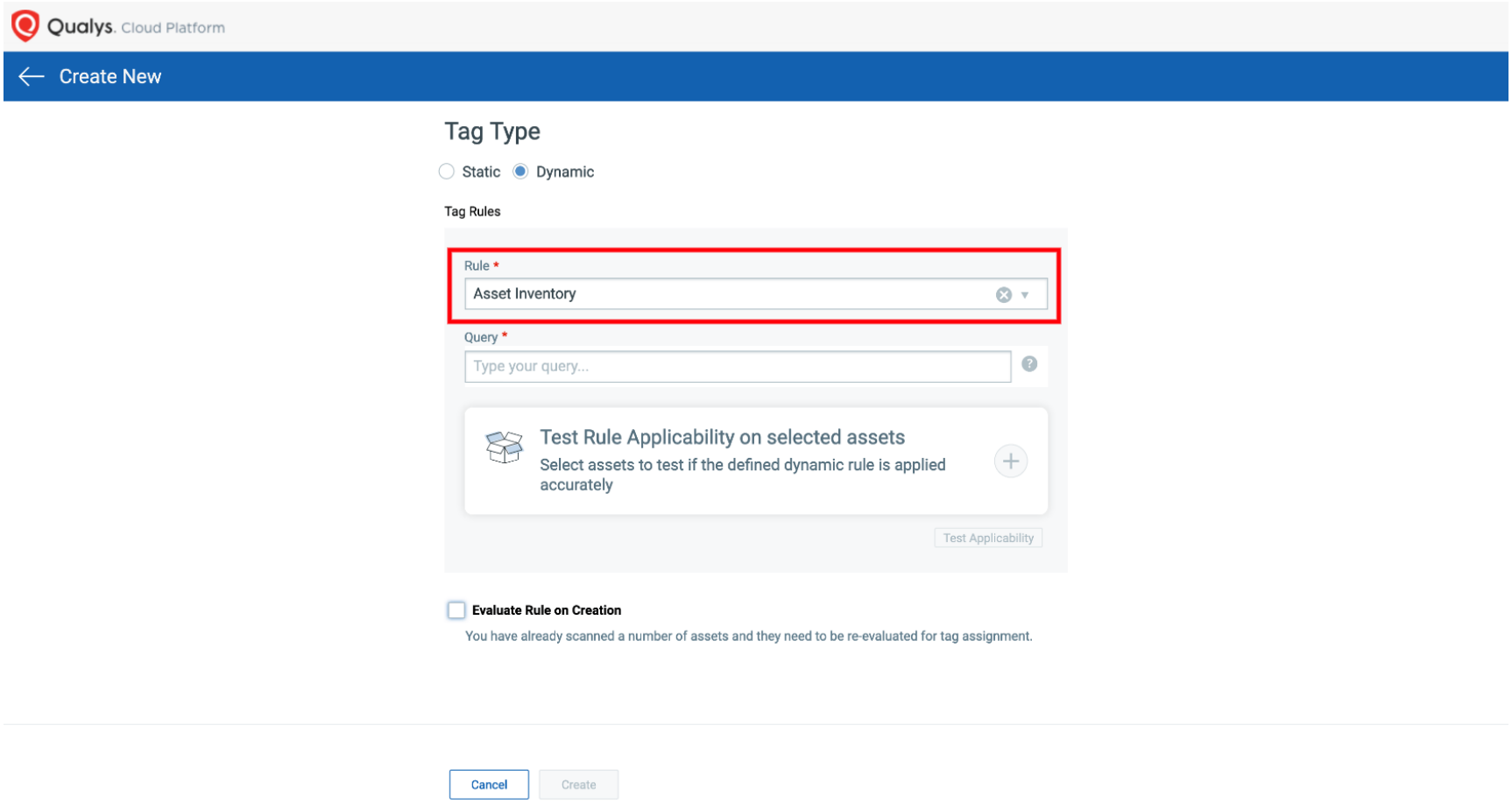
... and select Asset Inventory.



003 - Dynamic Rule-Based Tags

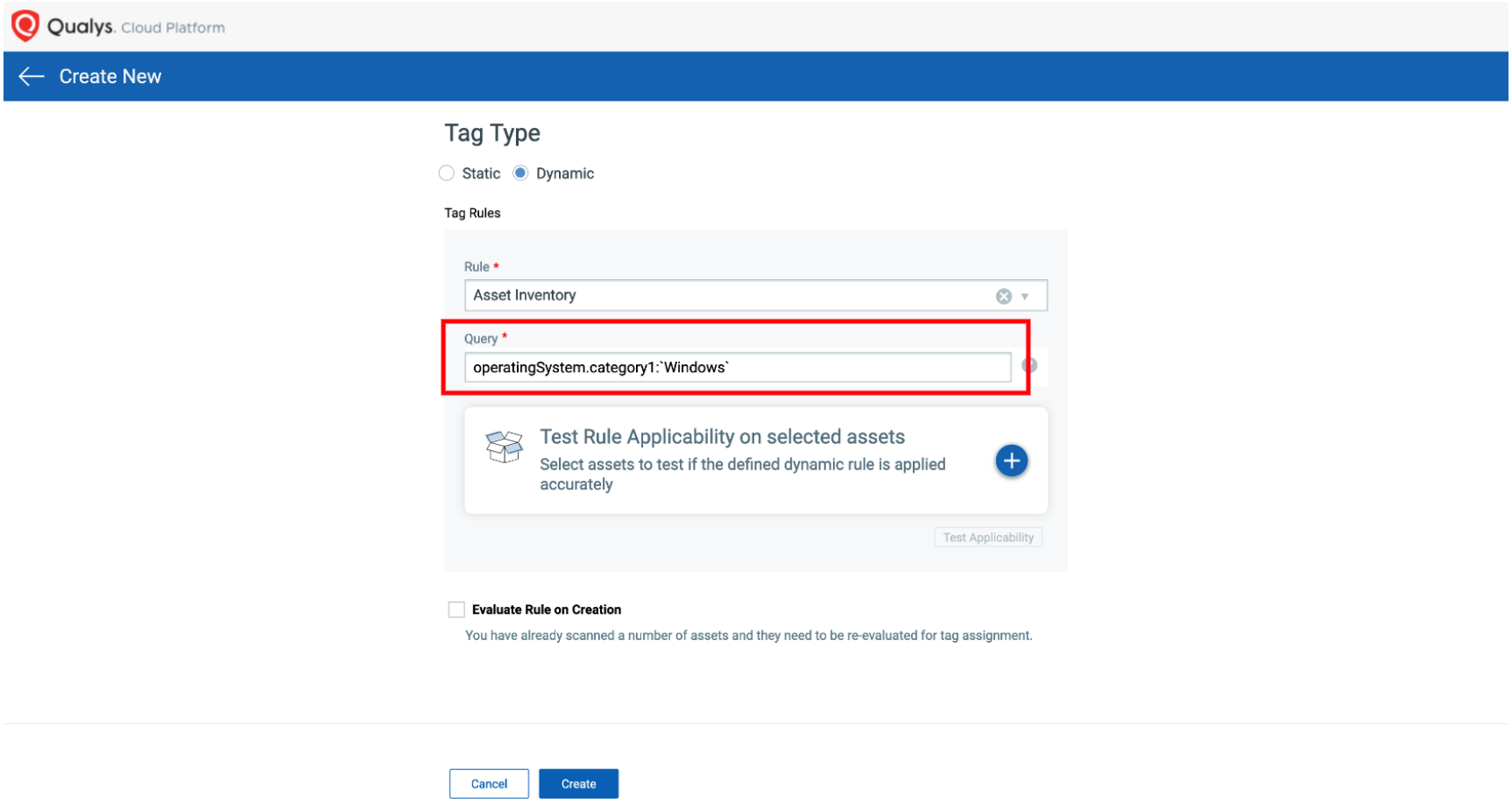
The "Asset Inventory" rule engine supports query tokens for Qualys' Asset Management categories, including Hardware, Operating System, and Software categories. We'll demonstrate with the "Operating System" category.

003 - Dynamic Rule-Based Tags



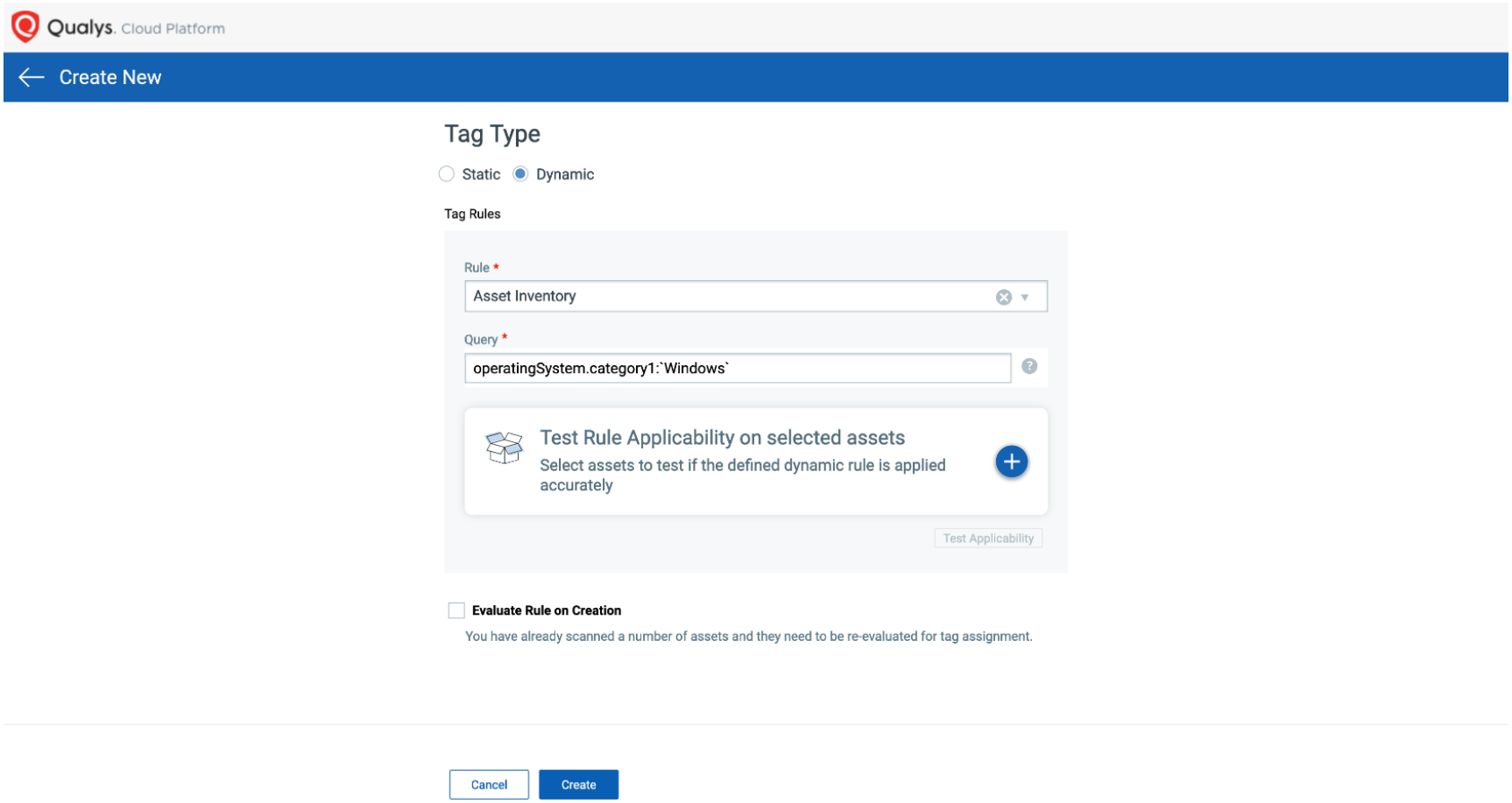
003 - Dynamic Rule-Based Tags

This query uses the Operating System Category 1 token to tag all Windows-based hosts.



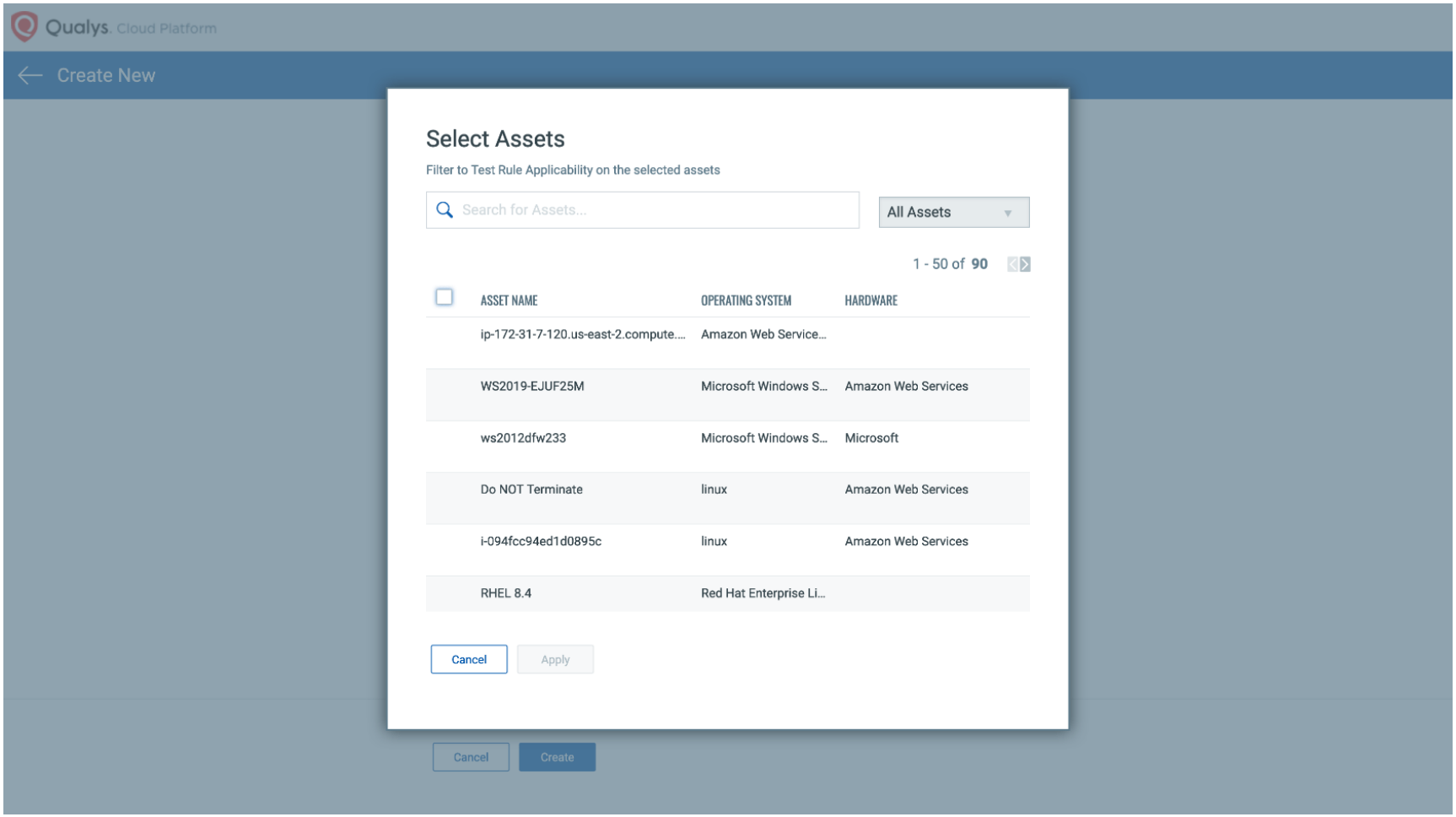
003 - Dynamic Rule-Based Tags

Just below the "Query" field, click the "plus" symbol to apply and test this query against assets already in this account.



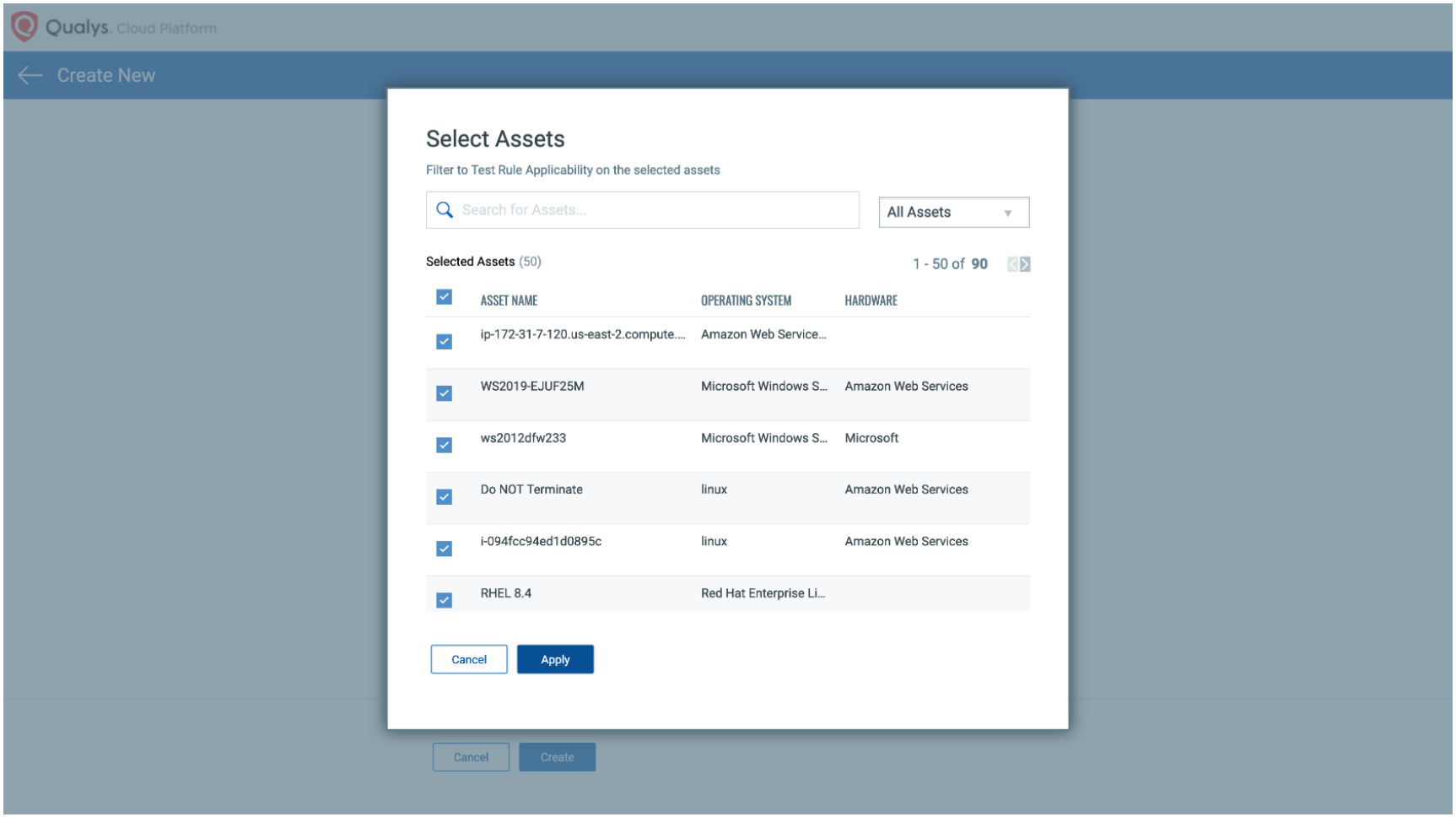
003 - Dynamic Rule-Based Tags

Select the check box near the top of the asset list (just left of ASSET NAME).



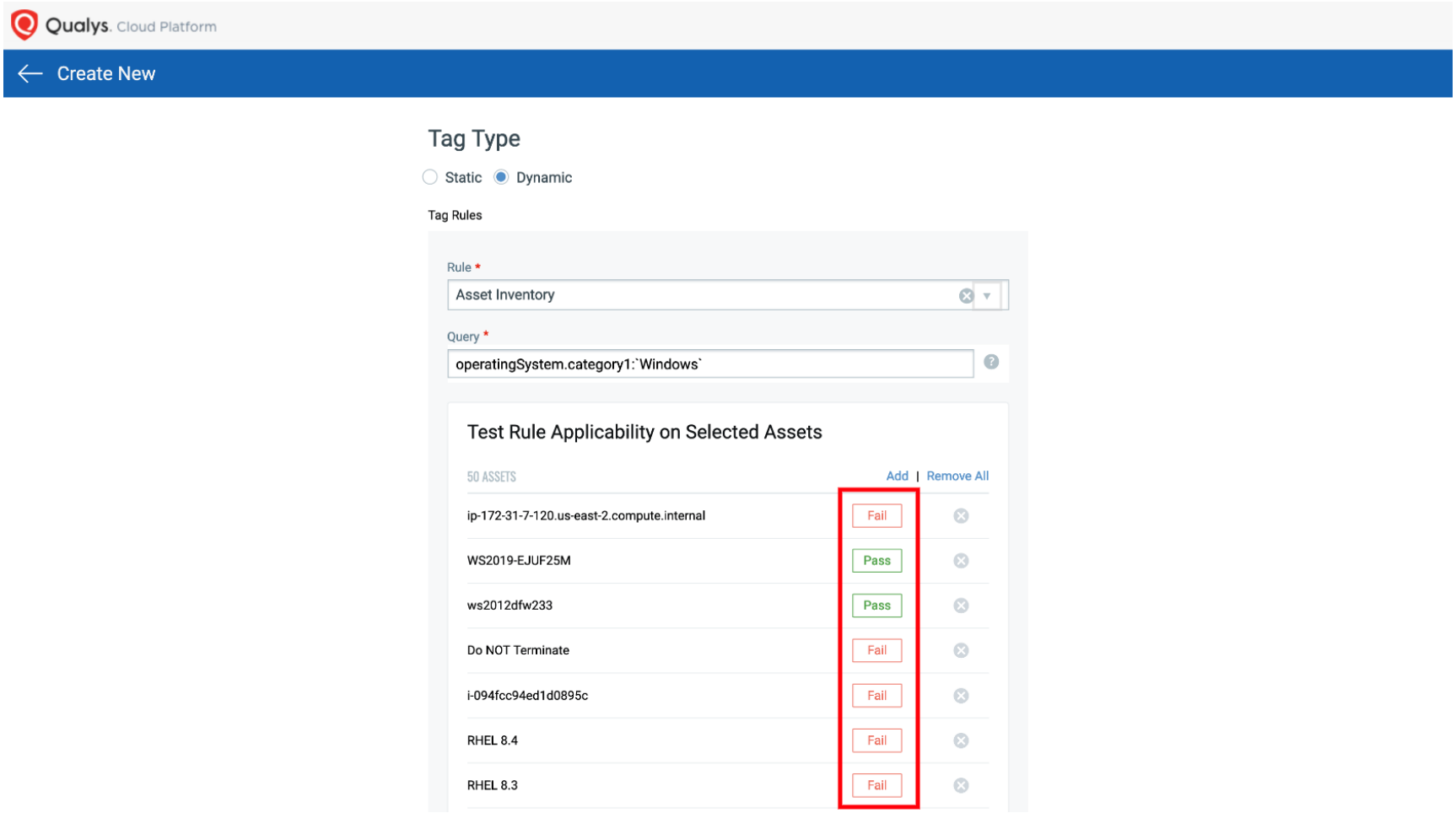
003 - Dynamic Rule-Based Tags

With all assets selected, click the "Apply" button.



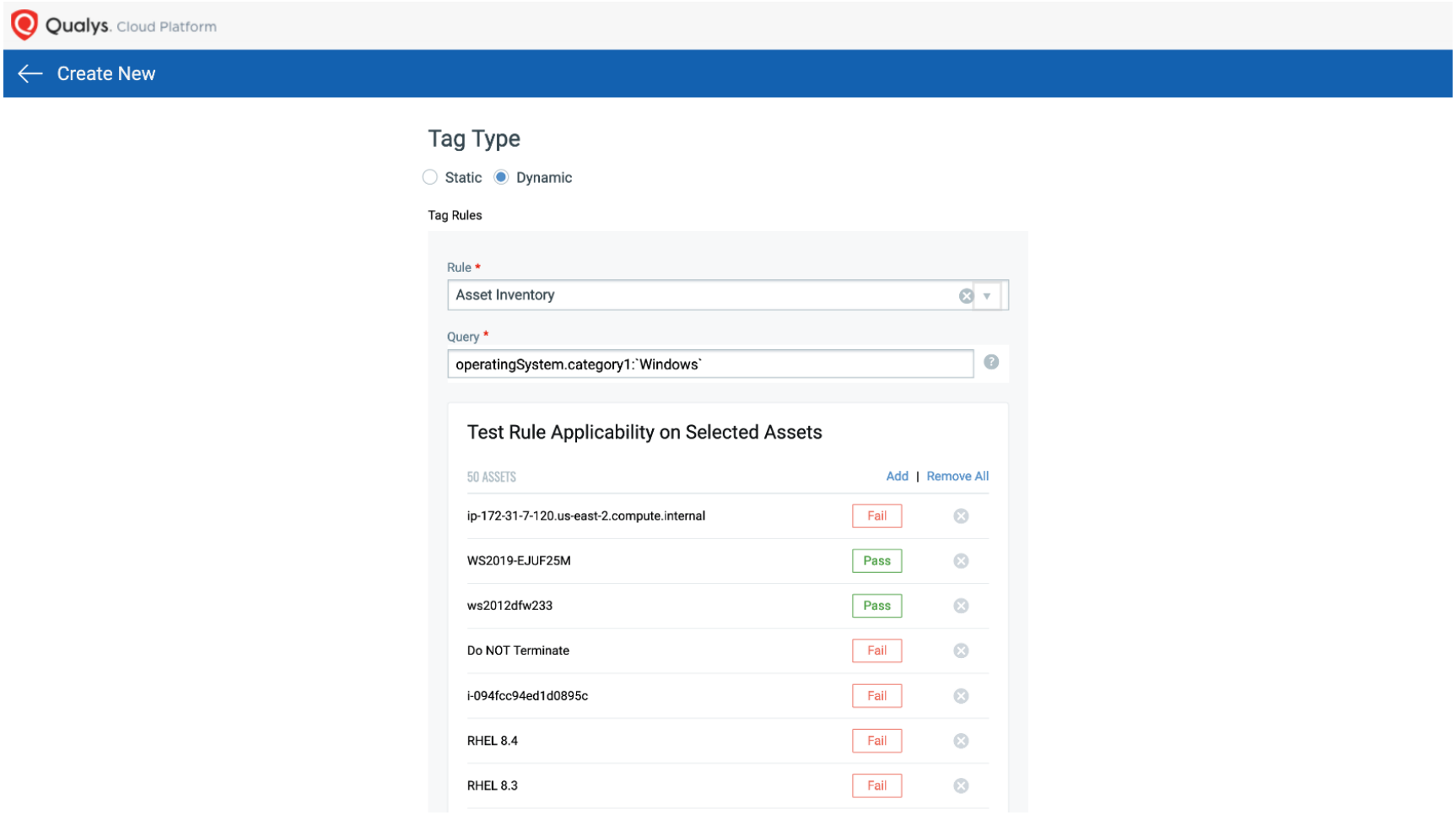
003 - Dynamic Rule-Based Tags

Assets that match the query condition receive a Pass, while those that don't Fail.



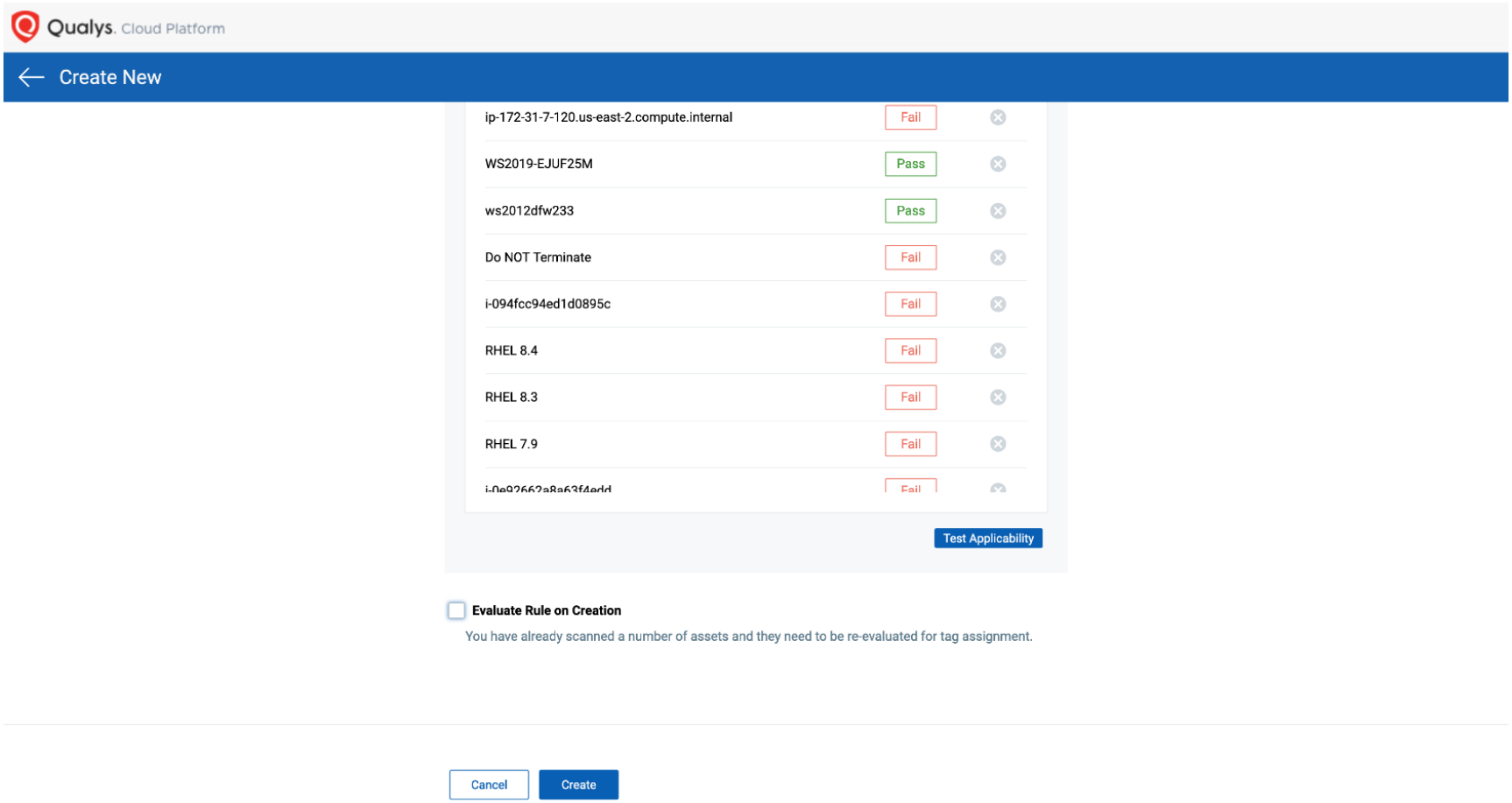
003 - Dynamic Rule-Based Tags

We'll now scroll-down to the bottom of the "Create New Tag" wizard.



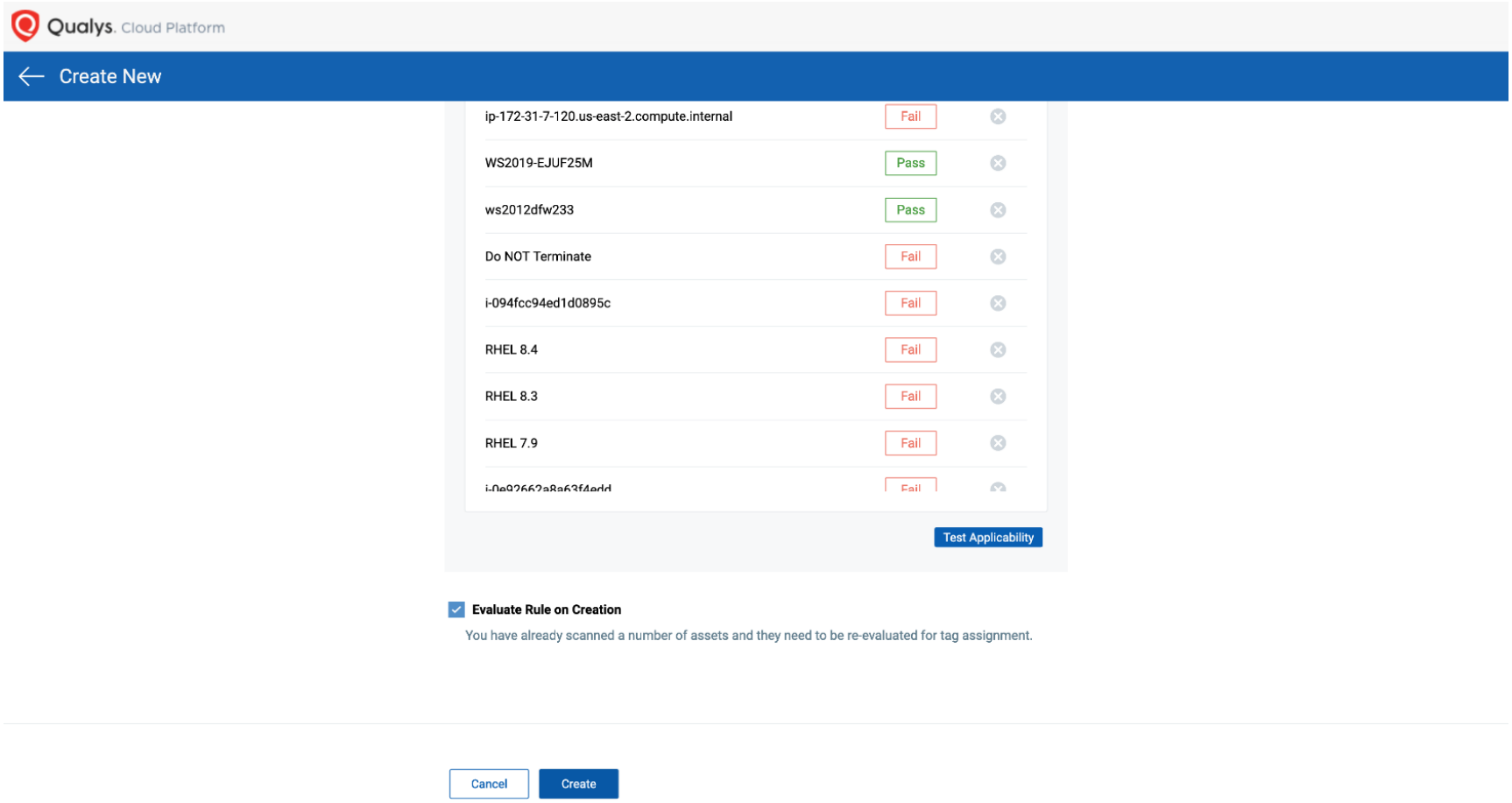
003 - Dynamic Rule-Based Tags

Click the "Evaluate Rule on Creation" check box, to apply this rule to existing hosts (those already in this account).



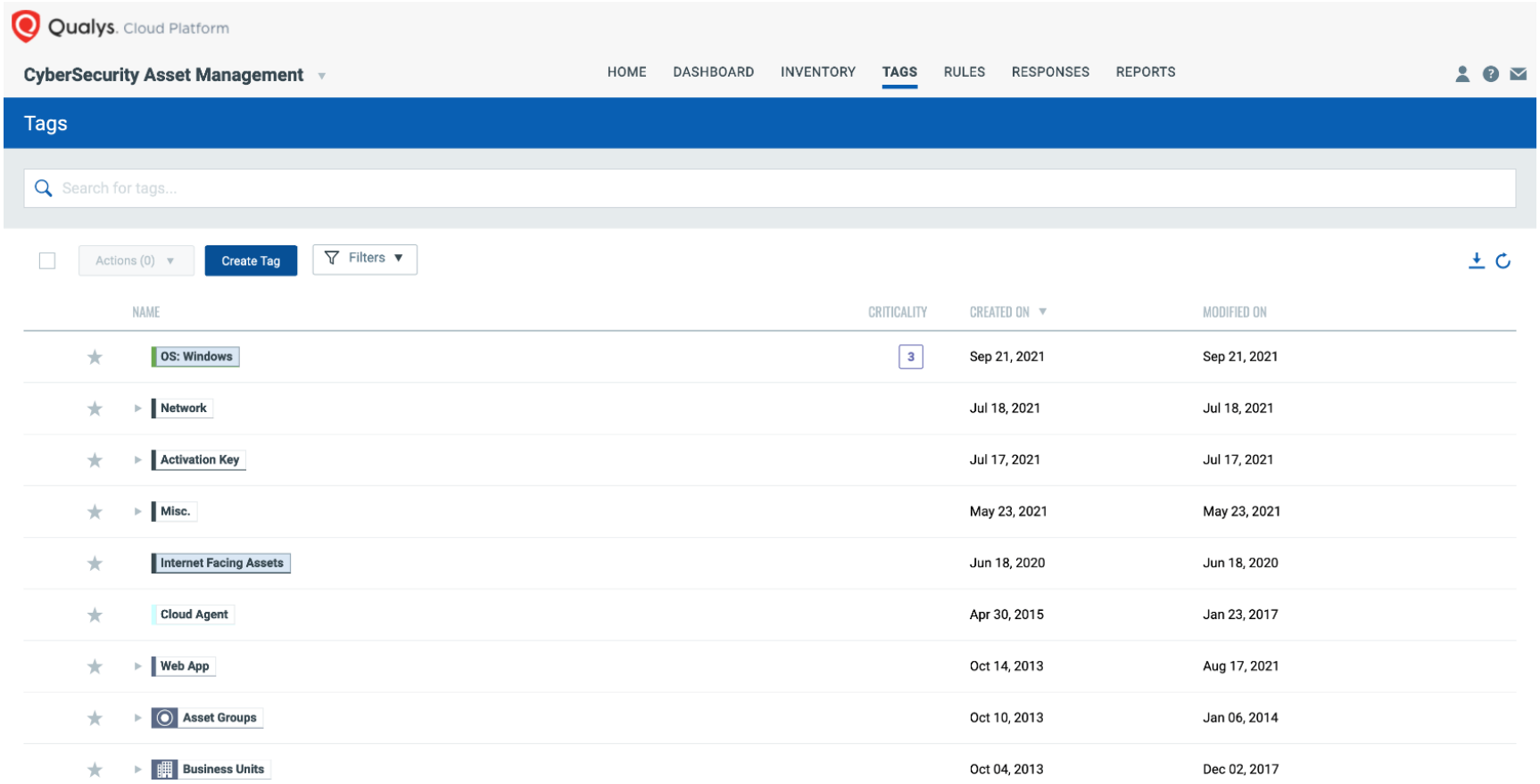
003 - Dynamic Rule-Based Tags

Click the "Create" button.



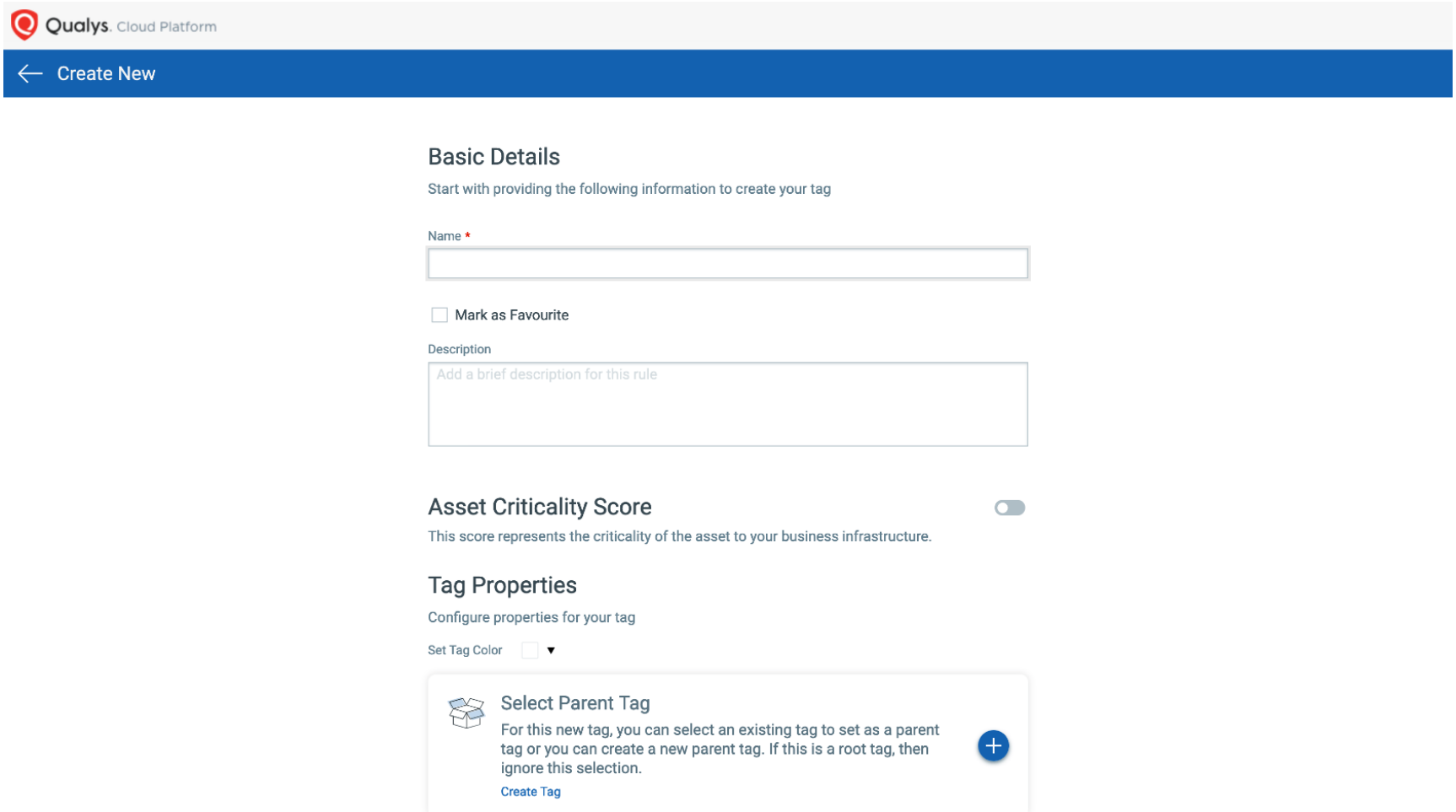
003 - Dynamic Rule-Based Tags

The "Windows" tag has been successfully created. We'll now repeat the same steps for Linux-based hosts. Once again, click the "Create Tag" button.

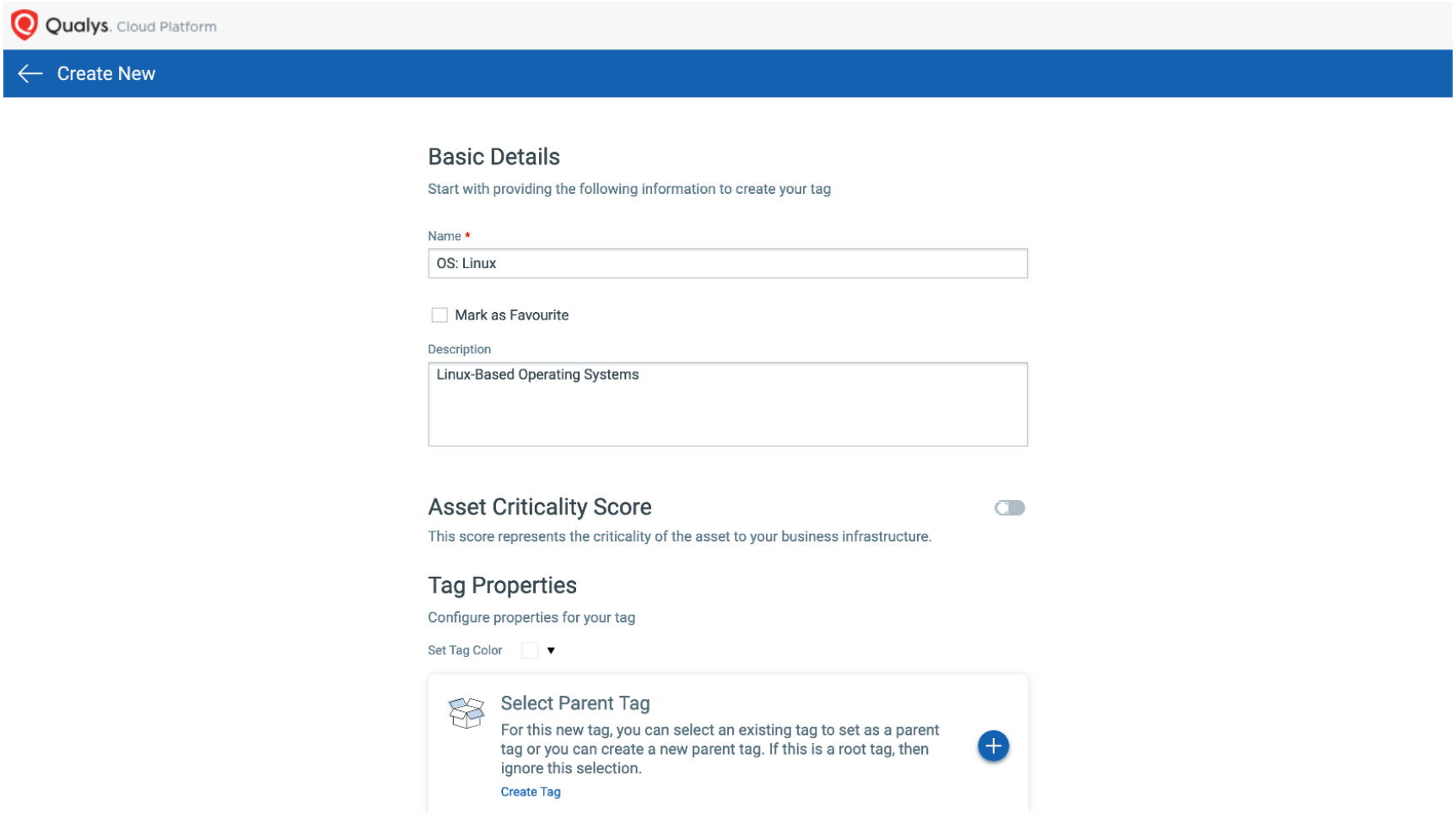


003 - Dynamic Rule-Based Tags

This tag will be used to identify all hosts with Linux-based operating systems. We'll give it an appropriate name and description.

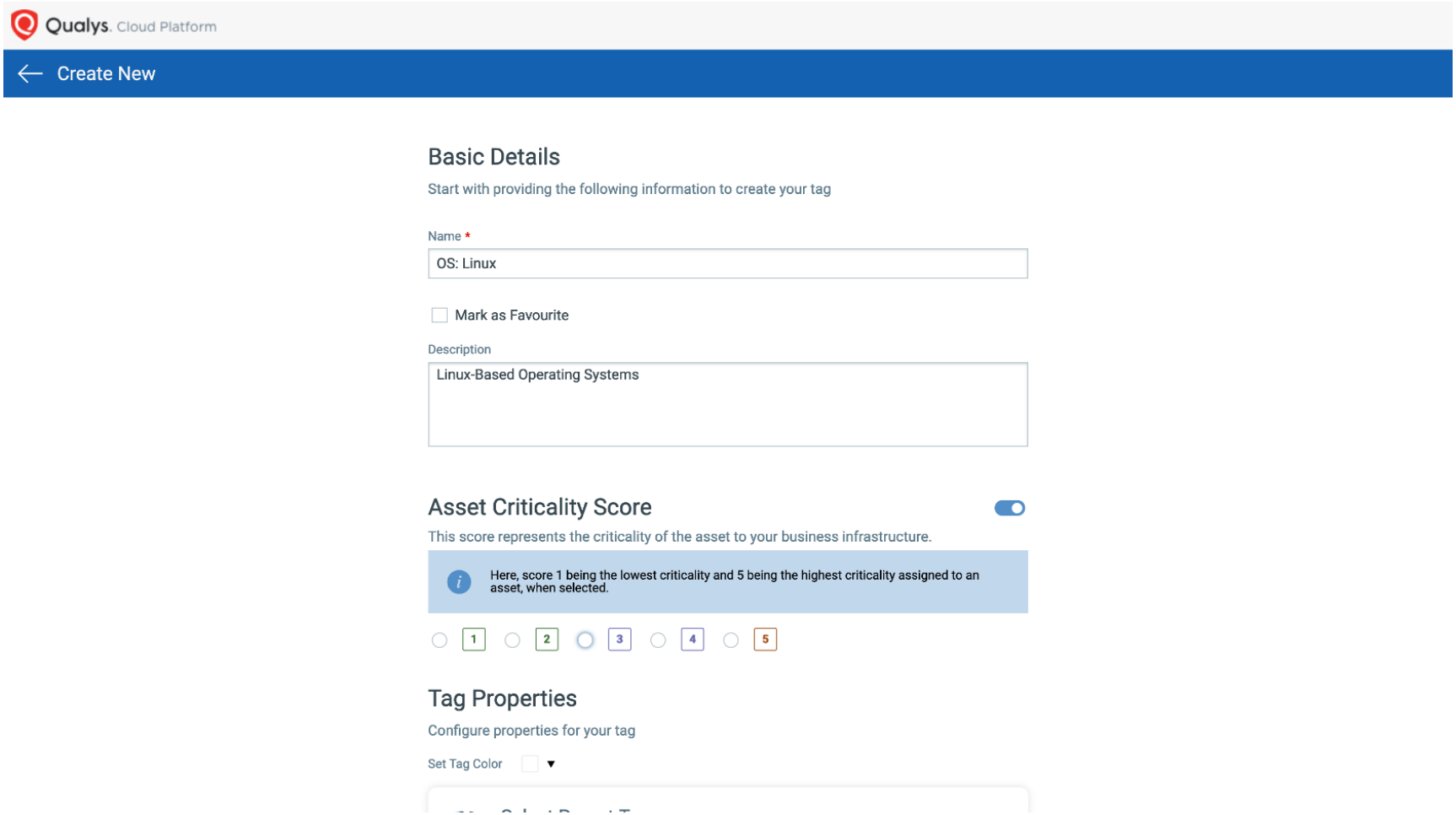


Just below the "Description" field, click the toggle switch to enable the Asset Criticality Score...



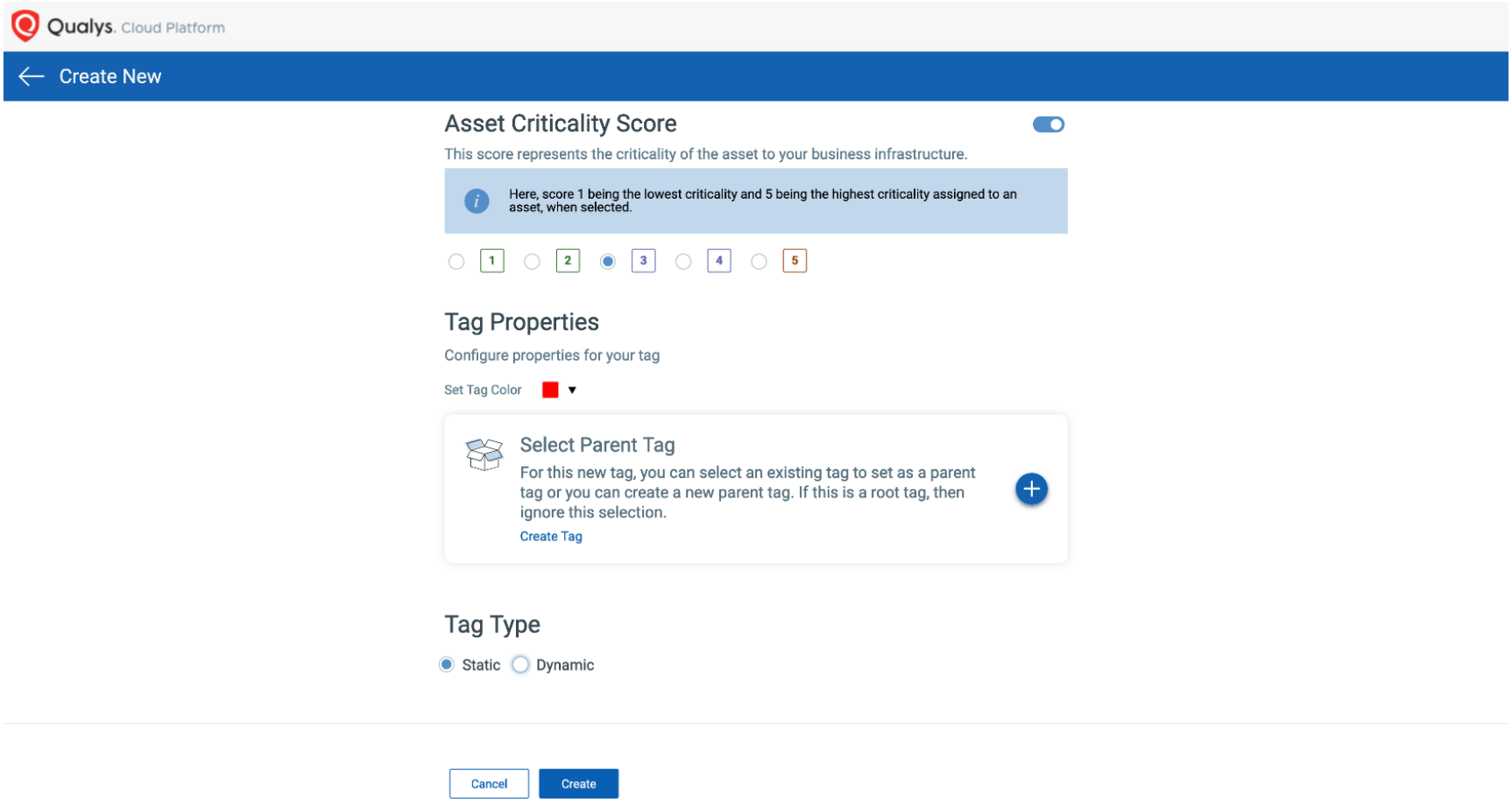
003 - Dynamic Rule-Based Tags

...and select three.



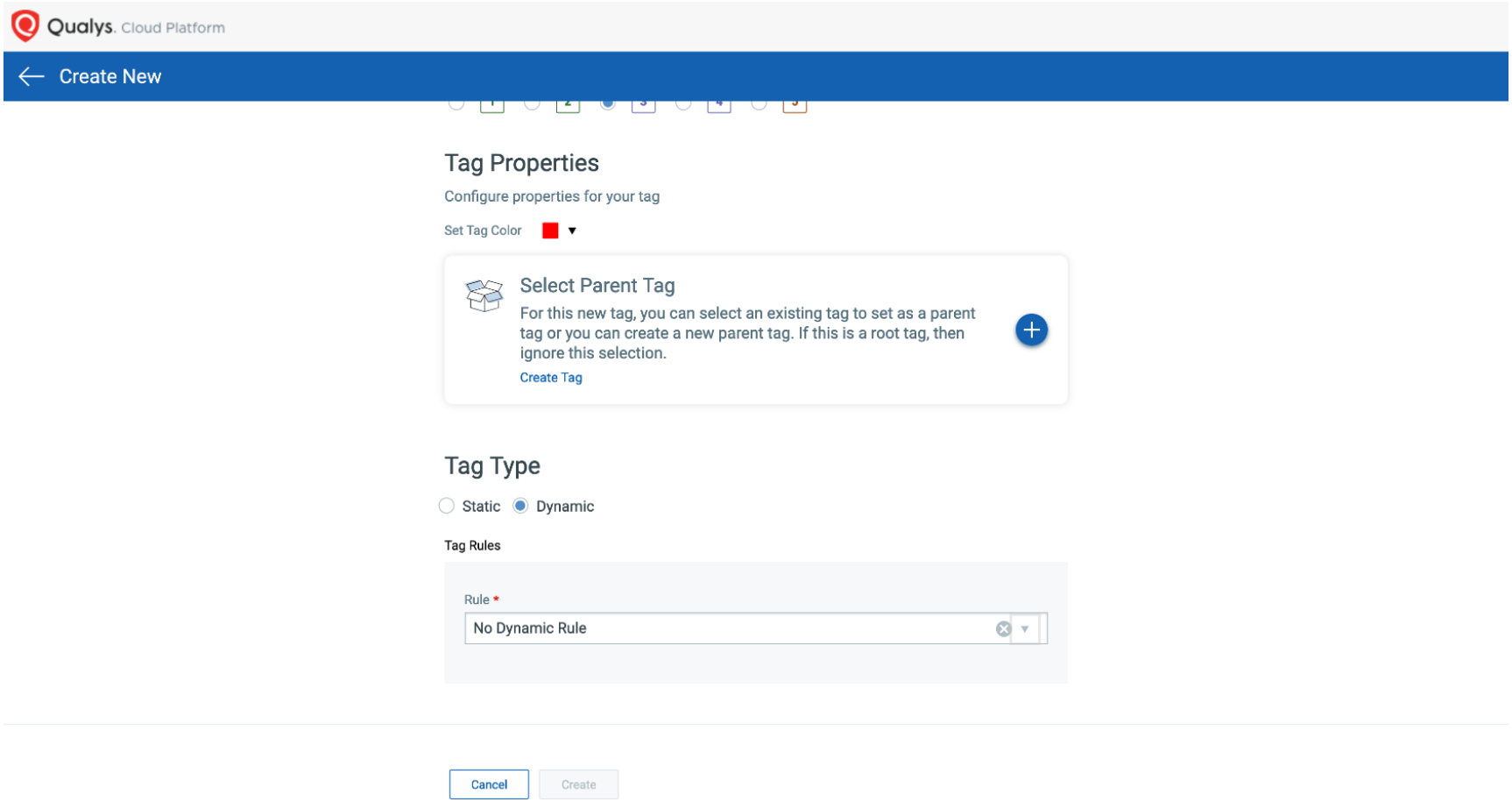
003 - Dynamic Rule-Based Tags

Under Tag Type, select the "Dynamic" radio button.



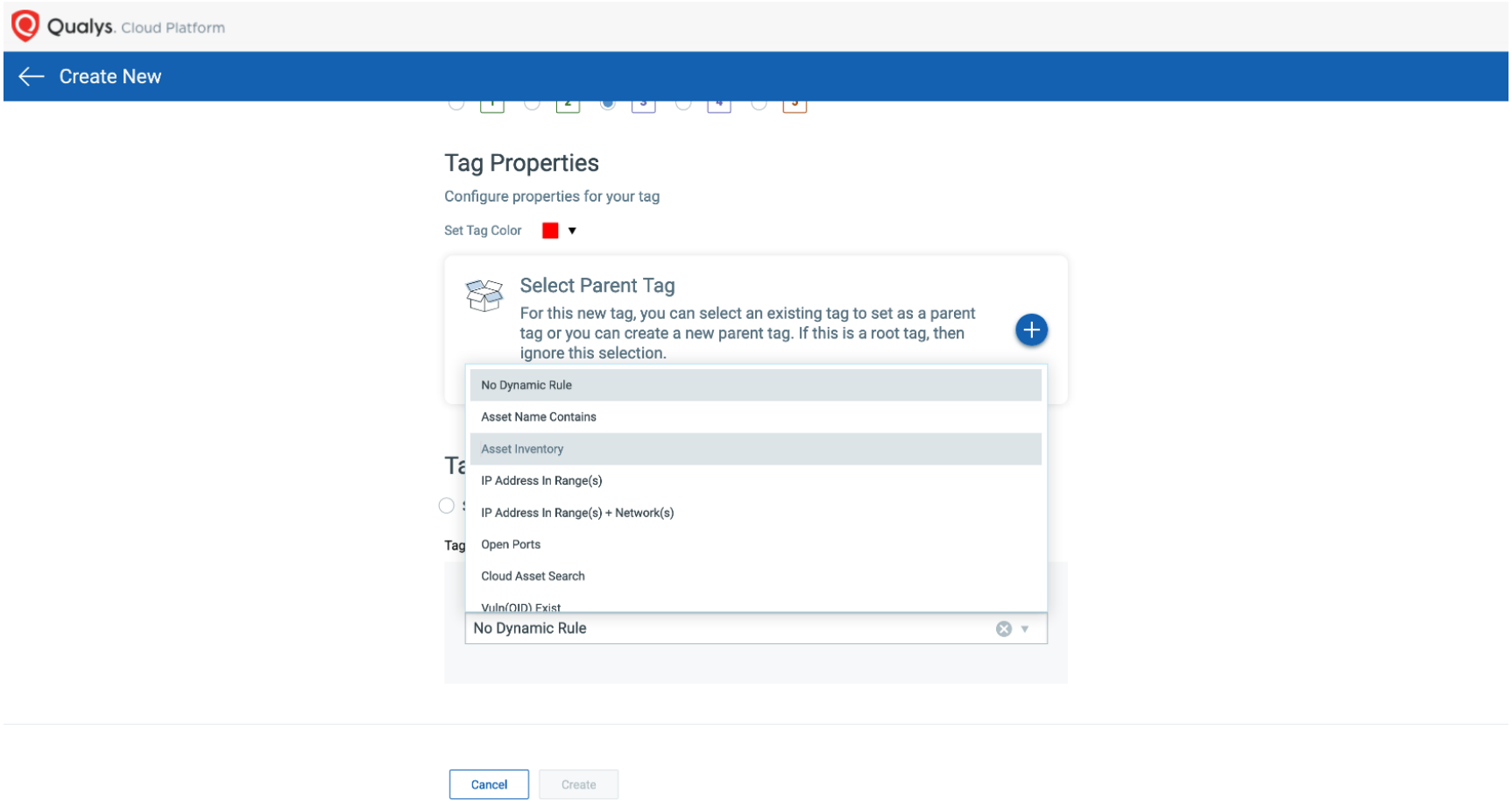
003 - Dynamic Rule-Based Tags

Under Tag Rules, click to open the "Rule" drop-down menu...



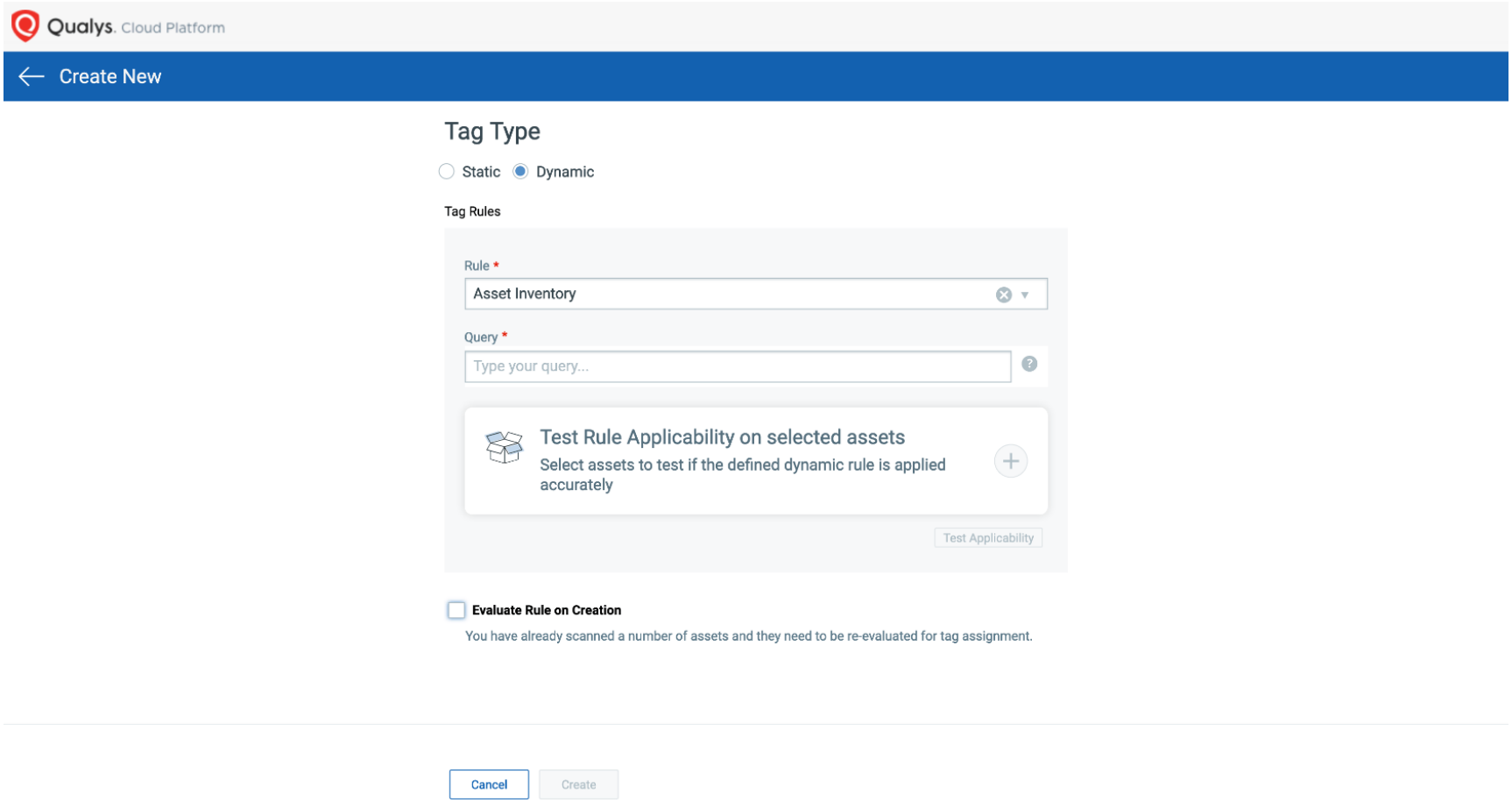
003 - Dynamic Rule-Based Tags

... and select Asset Inventory.



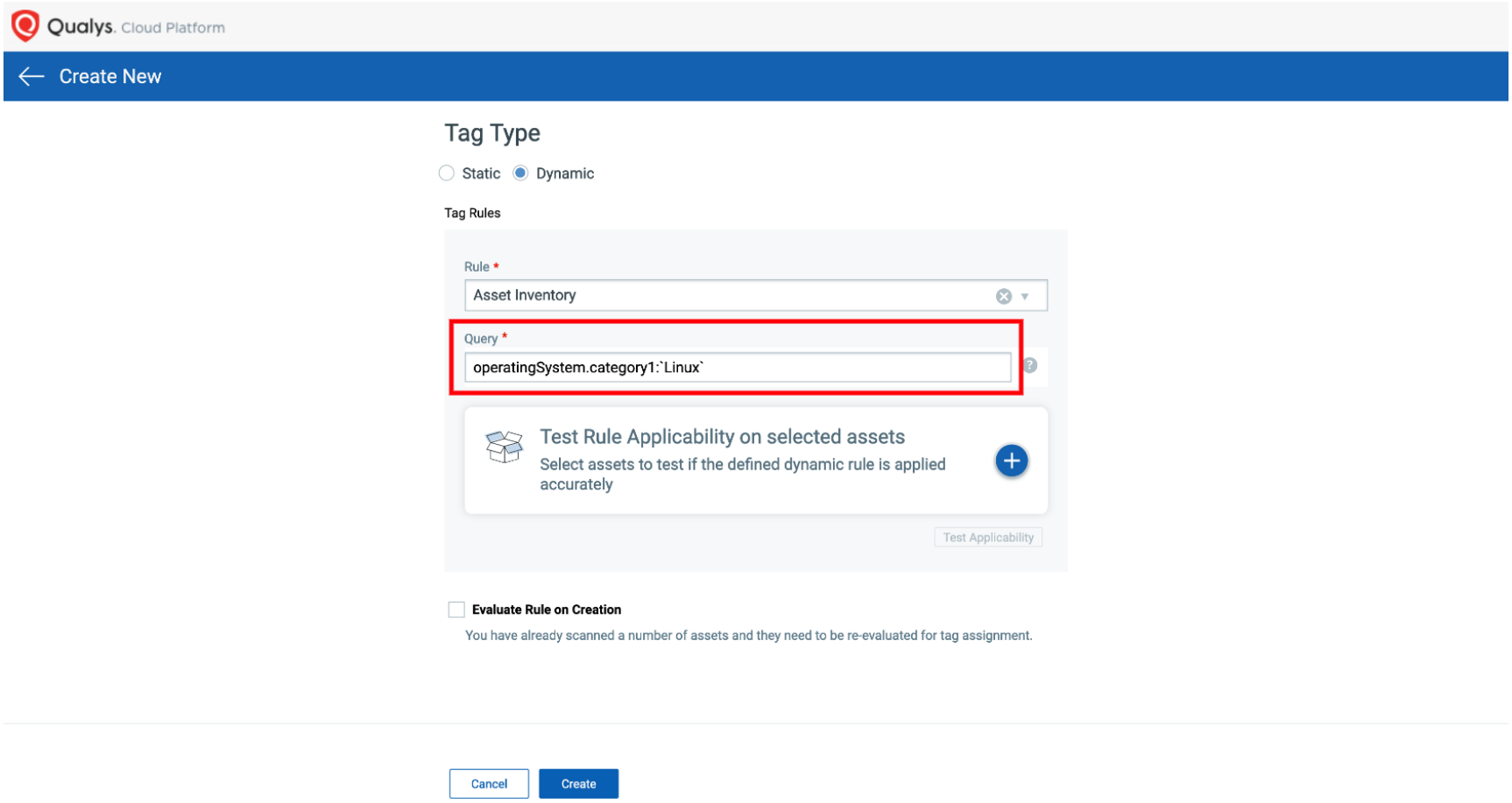
003 - Dynamic Rule-Based Tags

This time we'll apply the "Asset Inventory" rule engine to Linux-based hosts.



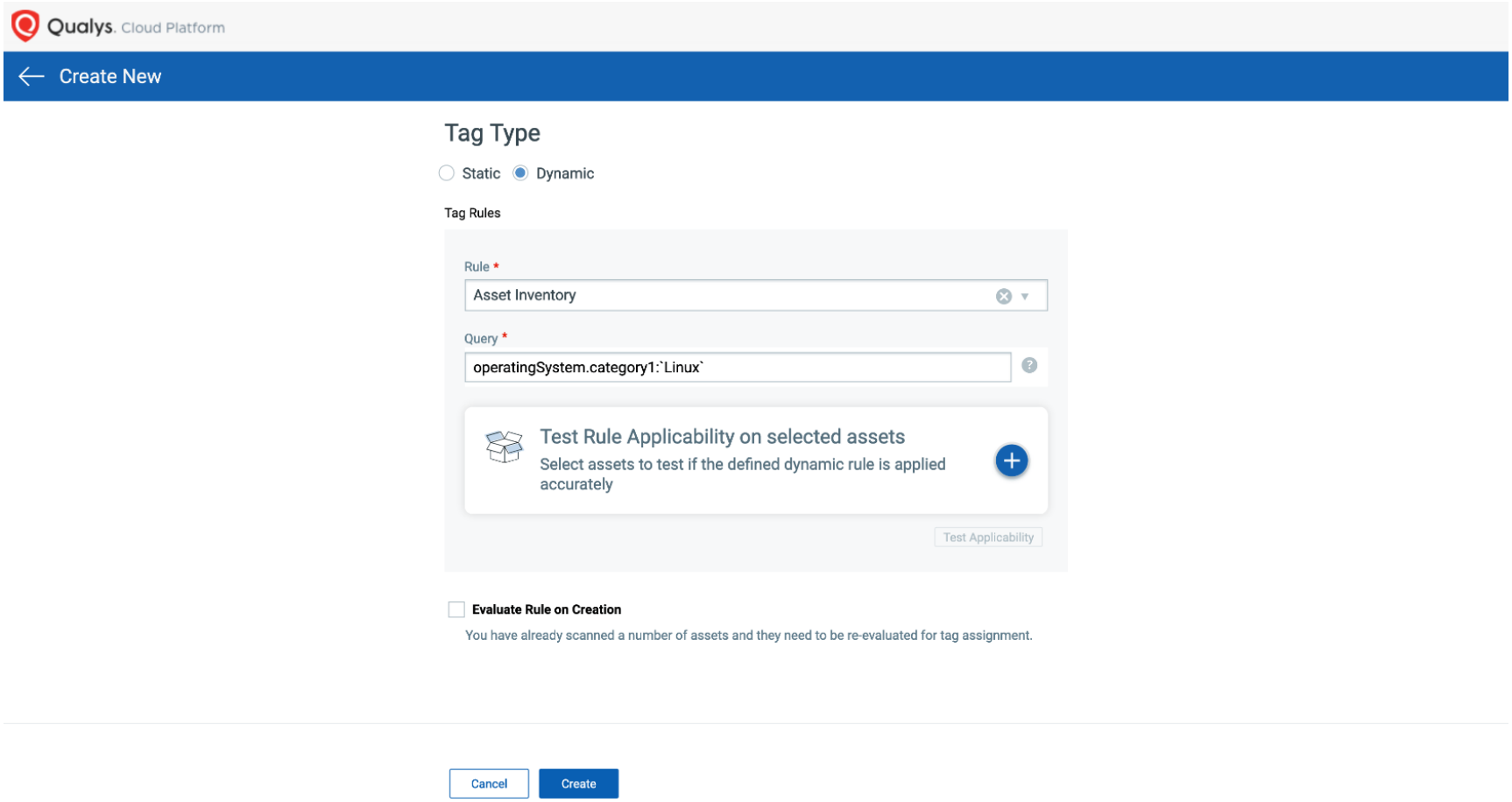
003 - Dynamic Rule-Based Tags

This query uses the Operating System Category 1 token to tag all Linux-based hosts.



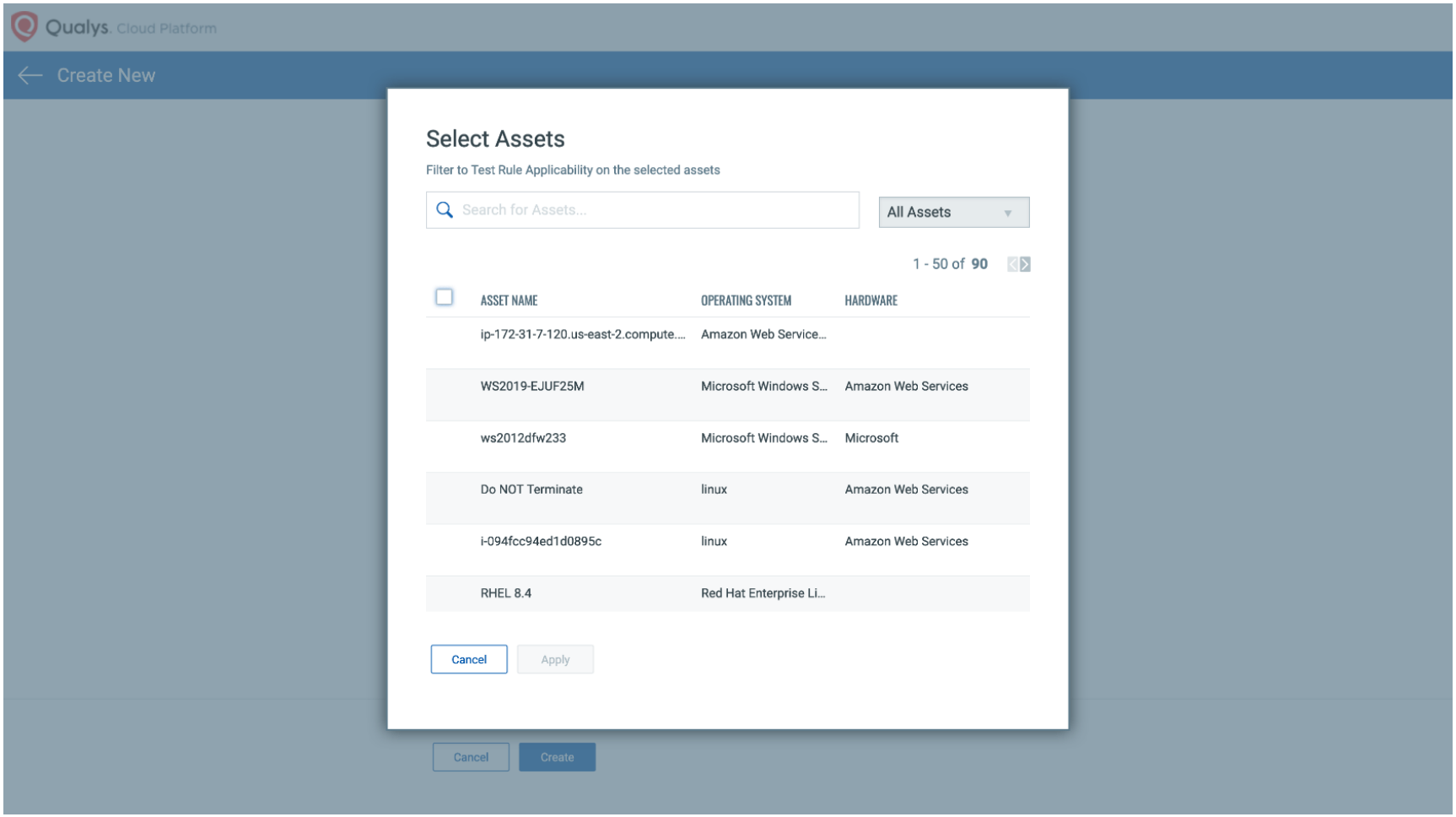
003 - Dynamic Rule-Based Tags

Just below the "Query" field, click the "plus" symbol to apply and test this query against assets already in this account.



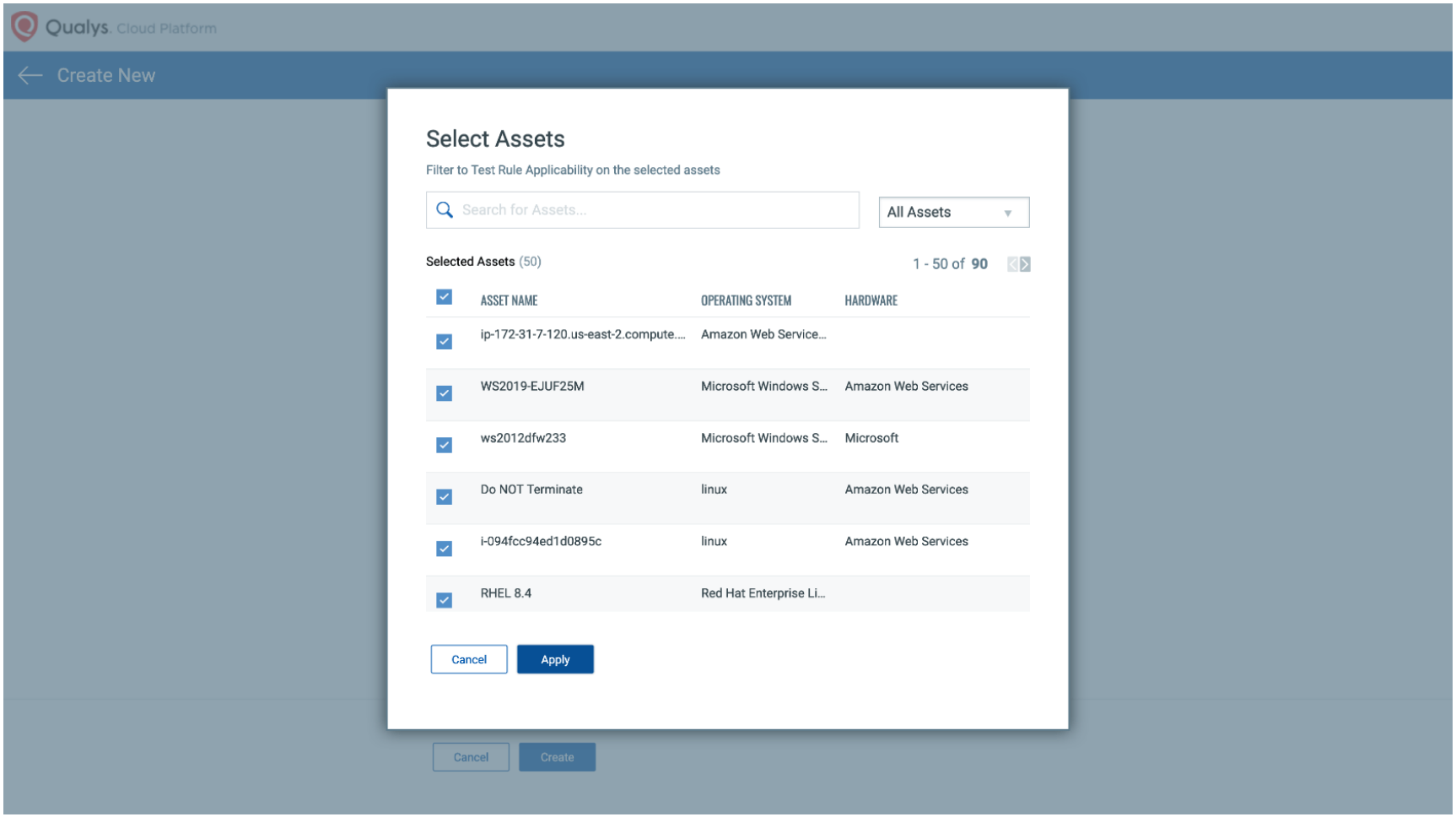
003 - Dynamic Rule-Based Tags

Select the check box near the top of the asset list (just left of ASSET NAME).



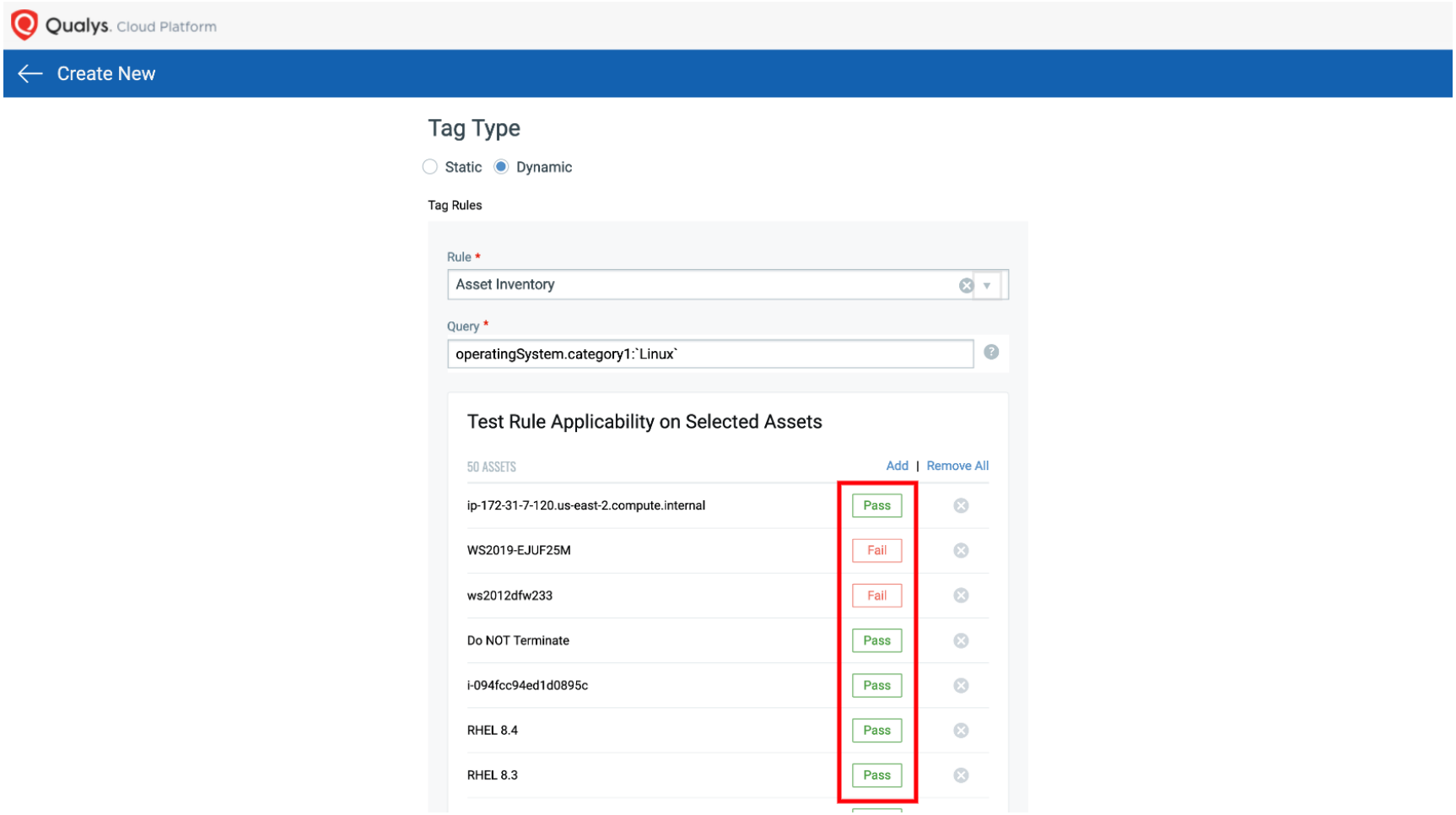
003 - Dynamic Rule-Based Tags

With all assets selected, click the "Apply" button.



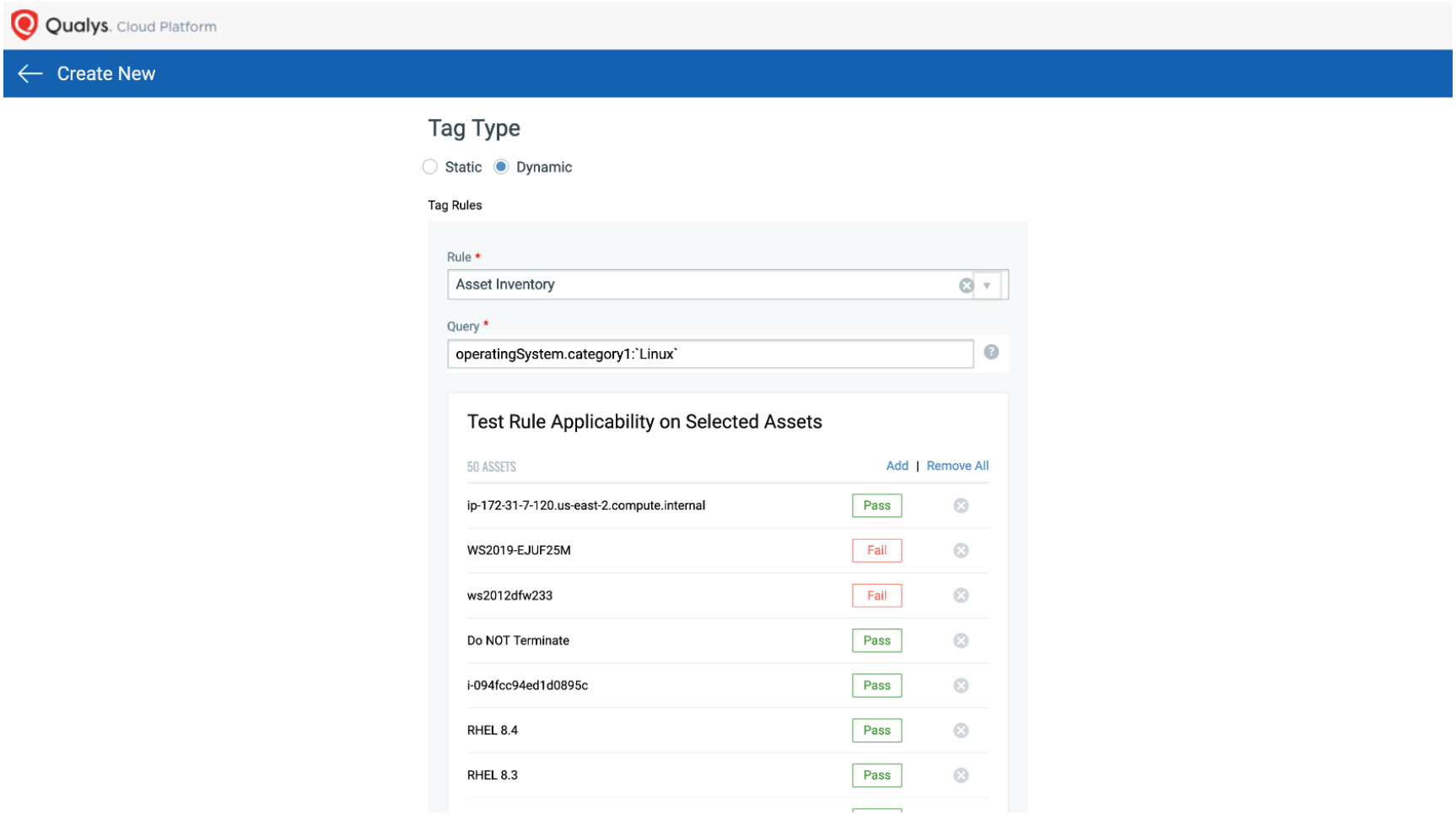
003 - Dynamic Rule-Based Tags

Once again, assets that match the query condition receive a Pass, while those that don't Fail.



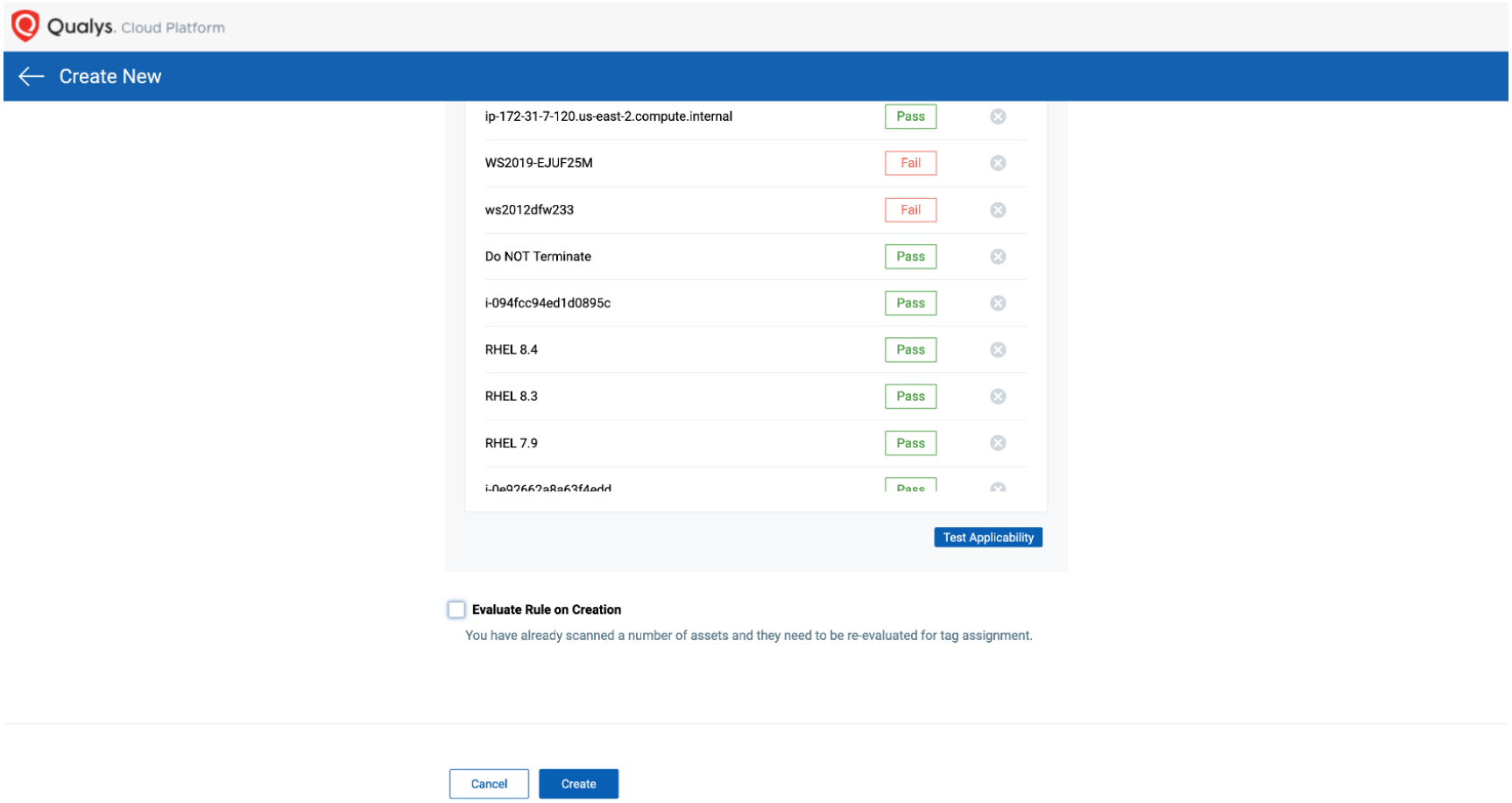
003 - Dynamic Rule-Based Tags

Scrolling-down to the bottom of the "Create New Tag" wizard....



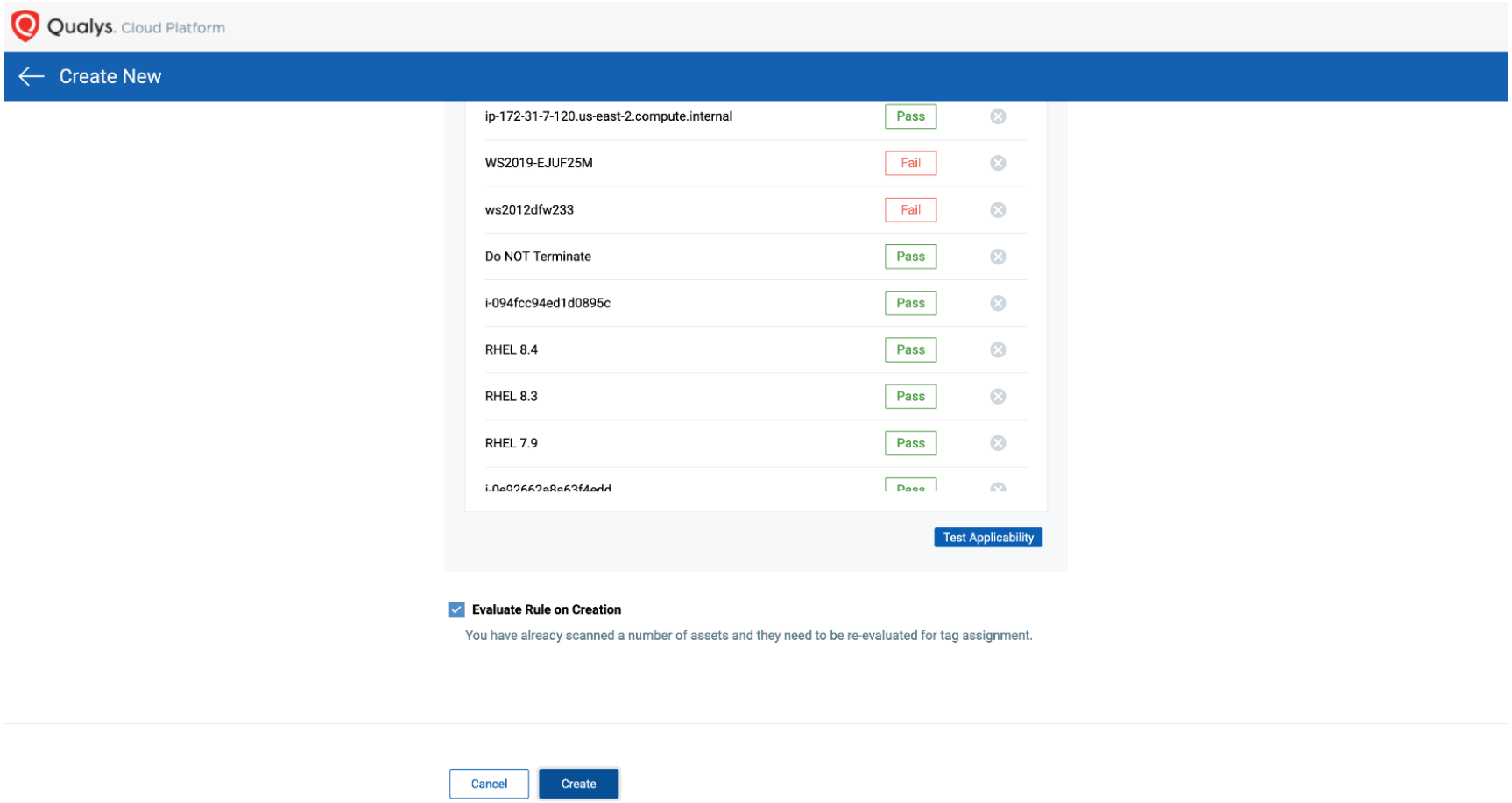
003 - Dynamic Rule-Based Tags

...select the "Evaluate Rule on Creation" check box...



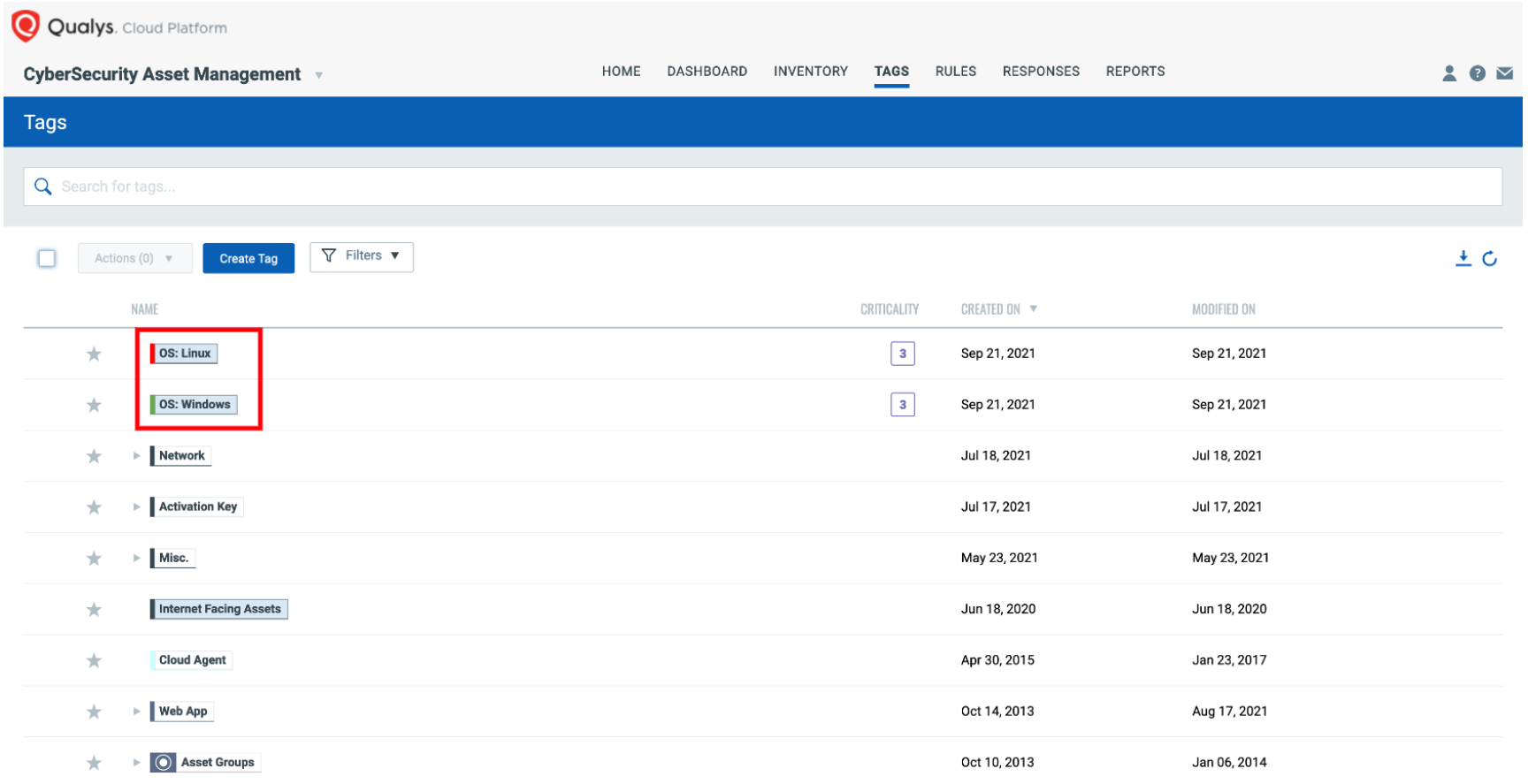
003 - Dynamic Rule-Based Tags

...and click the "Create" button.



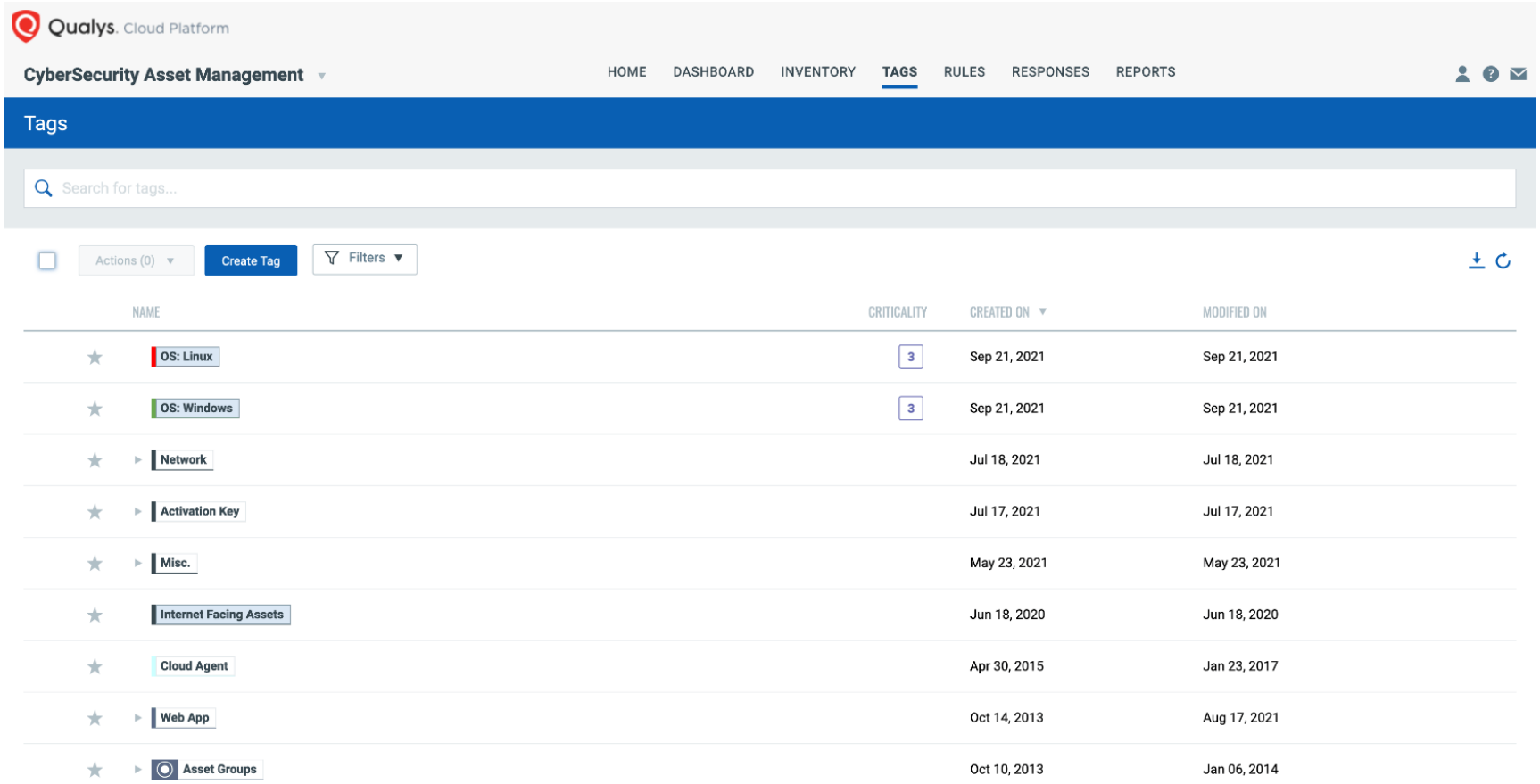
003 - Dynamic Rule-Based Tags

The "Operating System" token was successfully used to create tags for Windows and Linux systems.



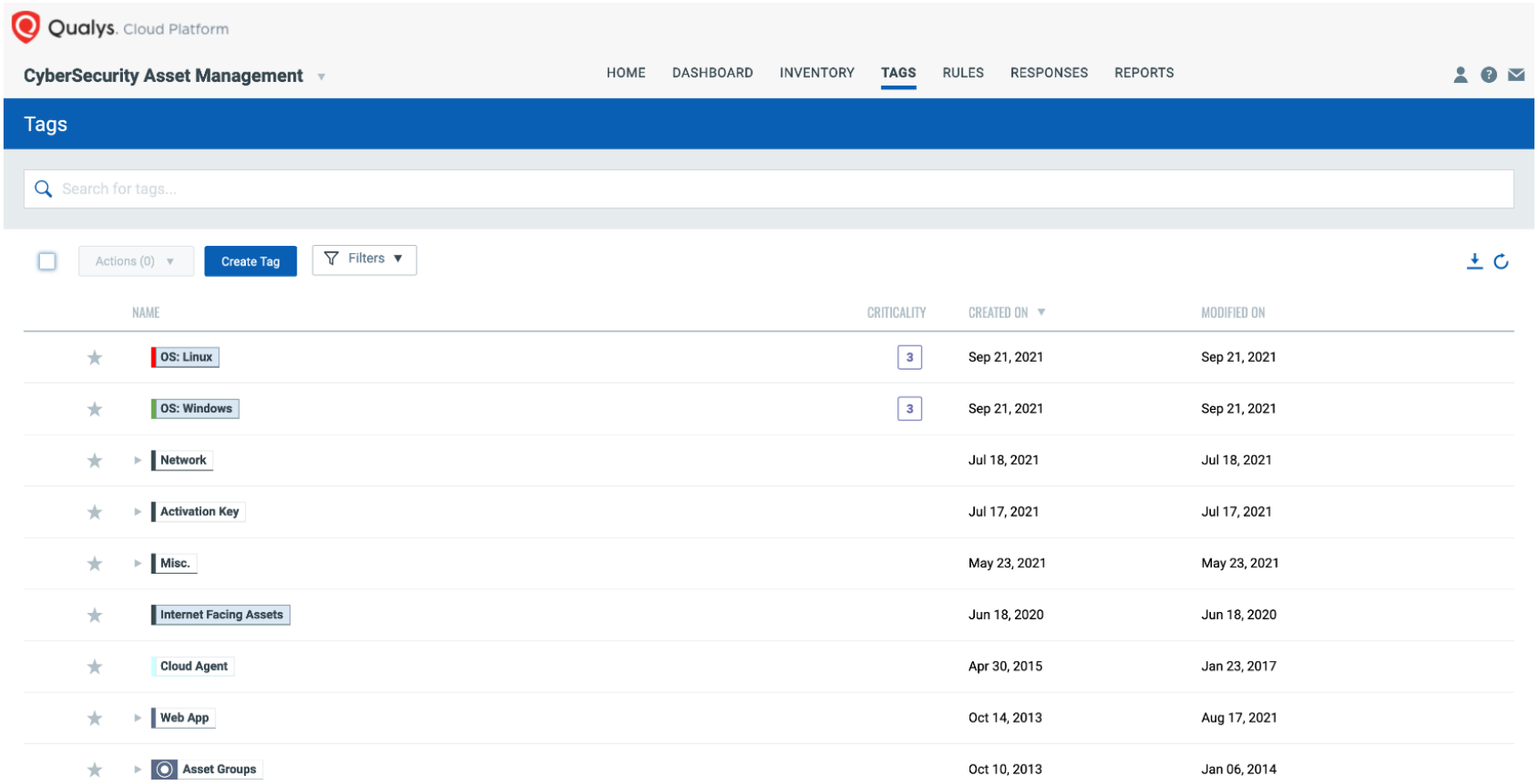
003 - Dynamic Rule-Based Tags

Continue to use the "Asset Inventory" rule engine to build tags that leverage the hardware, operating system, and software categories, provided by Qualys.



003 - Dynamic Rule-Based Tags

This concludes the "Dynamic Rule-Based Tags" tutorial. You may close this window and return to the Lab Tutorial Supplement.



003 - Dynamic Rule-Based Tags

Scan to go to the interactive player