Descriptions of the performance threshold policy pages

OnCommand Unified Manager 9.5

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Descriptions of the performance threshold policy pages

You use the Configuration/Performance Thresholds page to create, edit, clone, delete, and view performance threshold policies.

The topics below display when you click **Help** on the appropriate page.

Configuration/Performance Thresholds page

You can use the Configuration/Performance Thresholds page to view all the currently defined performance threshold policies. This page also provides the functionality to create, clone, edit, and delete threshold policies.

The list of performance threshold policies is sorted alphabetically by policy name. You can click a column header to sort the policies by that column. If you are looking for a specific policy, you can use the filter and search mechanisms to refine the list of threshold policies that appear in the inventory list.

Filter and Search bar

The **Filtering** button enables you to refine the list of threshold policies by displaying only the policies that match certain criteria.

The **Search** button enables you to search for certain policies by entering full or partial policy names to refine the list of threshold policies that appear in the inventory list.

Command buttons

- **Create**

  Creates a new performance threshold policy.

- **Clone**

  Creates a new performance threshold policy based on a copy of the policy that you have selected.

- **Edit**

  Modifies the performance threshold policy that you have selected. All storage objects that are using the policy are updated to use the revised policy.

- **Delete**

  Deletes the performance threshold policy that you have selected. The policy is removed from all storage objects that are using the policy. You can click the item in the Associated Objects column to view the objects that are currently using this policy.

Threshold Policies list

- **Policy Name**

Displays the name of the threshold policy. You can position your cursor over the policy name to view the details of the policy.

- **Description**

  Displays a brief description of the threshold policy.

- **First Condition**

  Displays the primary condition for the threshold policy, including the defined performance counter and the warning trigger values and critical trigger values. You can position your cursor over the condition name to view the details of the condition.

- **Second Condition**

  Displays the secondary threshold policy condition, if defined. You can position your cursor over the condition name to view the details of the condition. If a second condition is not defined, this column is blank.

  When a second condition is defined, an event is generated only when both conditions are breached.

- **Associated Objects**

  Displays the type of storage object to which the threshold policy can be applied, and the number of objects that are using the policy. This field is blank until you assign the policy to at least one object.

  You can click the column heading to sort the policies by object type: volume, LUN, aggregate, and so on. You can click the policy name to display the inventory page populated with the objects that are currently using the threshold policy.

Create or Clone Performance Threshold Policy page

You can use the Create Threshold Policy page or the Clone Threshold Policy page to create a new performance threshold policy.

You can complete the fields on this page and click **Save** to add a performance threshold policy.

- **For Object Type**

  Select the type of storage object for which you want to create a threshold policy.

- **Policy Name**

  Enter the name of the threshold policy. The name appears on other Unified Manager pages and should provide a brief description of the policy.

- **Description**

  (optional) Enter a detailed description of the threshold policy.

- **Threshold Values**

  Define the primary, and optionally the secondary, threshold counter condition. Including a secondary

counter requires that both counters exceed the limit values before the threshold is considered breached.

  - **Select a counter**

    Select the counter on which you want to set a performance threshold.

  - **Warning**

    Enter the limit value for the counter that is considered a warning.

  - **Critical**

    Enter the limit value for the counter that is considered critical.

  Valid threshold values are 0.001 through 10,000,000 for numbers, 0.001-100 for percentages, and 0.001-200 for Performance Capacity Used percentages.

- **Duration**

  Select the number of minutes that the counter value must be greater than the warning or critical limit value. Because Unified Manager collects new performance counter values every five minutes, the menu provides values in multiples of five based on the refresh interval.

Edit Performance Threshold Policy page

You can use the Edit Threshold Policy page to modify an existing performance threshold policy.

You can modify the fields on this page and click **Save** to change a performance threshold policy. All cluster objects that are currently using the threshold policy are automatically updated to use the new policy definition.

- **For Object Type**

  Object type cannot be changed.

- **Policy Name**

  Change the name of the threshold policy.

- **Description**

  Change the detailed description of the threshold policy.

- **Threshold Values**

  Change the primary, and optionally the secondary, threshold counter condition.

  - **Select a counter**

    Change the counter on which you want to set a performance threshold.

  - **Warning**

    Enter the limit value for the counter that is considered a warning.

- **Critical**

  Enter the limit value for the counter that is considered critical.

- **Duration**

  Change the number of minutes that the counter value must be greater than the warning or critical limit value.

Assign Performance Threshold Policy page

You can use the Assign Threshold Policy page to assign a performance threshold policy to one or more storage objects.

The list of policies is populated with only those policies that are valid for the storage object type.

You select the that policy you want to apply to the object or objects, and then you click **Apply Policy**.

There are a few cases where an error message may be returned when you attempt to apply a policy:

- When applying a policy that uses the Performance Capacity Used counter to a node or aggregate that is not installed with ONTAP 9.0, or later, software.

  Versions of ONTAP software prior to 9.0 do not support the performance capacity counters.

- When applying a combination policy to a FlexGroup volume, where the second counter includes either a node or aggregate object.

  Because FlexGroup volumes can be spread across multiple nodes and aggregates, this operation is not allowed.

Clear Performance Threshold Policy page

You can use the Clear Threshold Policy page to remove, or *clear*, a performance threshold policy from one or more storage objects.

The list of policies is populated with only those policies that are being used in the selected object or objects.

You select the policy that you want to remove from the storage object or objects, and then you click **Clear Policy**.

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