

Create a device group

Published: 2022-05-21


You can create both dynamic and static device groups. Dynamic groups automatically add all devices that match specified criteria to the group, while static groups require you to manually add each device.

Create a dynamic device group

You can create dynamic device groups with complex filters, which enable you to specify multiple criteria and create nested groups of criteria.



Tip: You can quickly create a dynamic device group from a filtered list of devices on the Devices page. Click **Create Dynamic Group** from the upper right corner.

You can also create a dynamic device group from a built-in device group. From the Devices page, click a role or protocol, update the filter criteria, and then click the Save  icon from the upper right corner.

1. Log in to the ExtraHop system through `https://<extrahop-hostname-or-IP-address>`.
2. From the top menu, click **Assets** and then click **Device Groups** in the left pane.
3. Click **Create Device Group**.
4. In the **Group Name** field, type a descriptive name to identify the group
5. Optional: In the **Description** field, add information about this device group.
6. In the Group Type section, click **Dynamic**.
7. In the Filter Criteria section, click **Match All** and then select one of the following match operators from the drop-down list:

FILTER CRITERIA



| Option | Description |
|------------|------------------------------------------------------------------|
| Match All | Filters only devices that match all of the specified criteria. |
| Match Any | Filters devices that matches any of the specified criteria. |
| Match None | Filters devices that do not match any of the specified criteria. |

8. Click **Name** and select one of the following categories from the drop-down list:

FILTER CRITERIA



| Option | Description |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name | Filters devices by the discovered device name. For example, a discovered device name can include the IP address or hostname. |
| MAC Address | Filters devices by the device MAC address. |
| IP Address | Filters devices by IP address in IPv4, IPv6, or CIDR block formats. |
| Site | Filters devices associated with a connected site. Console only. |
| Discovery Time | Filters devices automatically discovered by the ExtraHop system within the specified time interval. For more information, see Create a device group based on discovery time . |
| Analysis Level | Filters devices by analysis level, which determines what data and metrics are collected for a device. You cannot create a dynamic device group for devices filtered by analysis level. |
| Model | Filters devices by make and model name. The following tips can help you find the device model you want: <ul style="list-style-type: none"> • Select the exact match operator (=) to view a drop-down list of existing models and model sets. • Select the exact match operator (=) and then select Custom Models to filter all devices assigned to a custom model set. |
| Activity | Filters devices by protocol activity associated with the device. For example, selecting HTTP Server returns devices with HTTP server metrics, and any other device with a device role set to HTTP Server. Also filters devices that accepted or initiated an external connection, which can help you |

| Option | Description |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | determine whether devices are engaged in suspicious activity. |
| Cloud Account | Filters devices by the cloud service account associated with the device. |
| Cloud Instance ID | Filters devices by the cloud instance ID associated with the device. |
| Cloud Instance Type | Filters devices by the cloud instance type associated with the device. |
| High Value | Filters devices that are considered high value because they provide authentication services, support essential services on your network, or are user-specified as high value. |
| Currently Active | Filters devices by activity observed on a device in the last 30 minutes. |
| Role | Filters devices by the assigned device role, such as gateway, firewall, load balancer, and DNS Server. |
| Software | Filters devices by operating system software detected on the device. |
| Subnet | Filters devices by the subnet associated with the device. |
| Tag | Filters devices by user-defined device tags. |
| Vendor | Filters devices by the device vendor name, as determined by the Organizationally Unique Identifier (OUI) lookup. |
| Virtual Private Cloud | Filters devices by the VPC associated with the device. |
| VLAN | Filters devices by the device VLAN tag. VLAN information is extracted from VLAN tags, if the traffic mirroring process preserves them on the mirror port. Only available if the <code>devices_accross_vlans</code> setting is set to <code>False</code> in the Running Config file. |
| CDP Name | Filters devices by the CDP name assigned to the device. |
| Cloud Instance Name | Filters devices by the cloud instance name assigned to the device. |
| Custom Name | Filters devices by the custom name assigned to the device. |
| DHCP Name | Filters devices by the DHCP name assigned to the device. |
| DNS Name | Filters devices by any DNS name assigned to the device. |

| Option | Description |
|--------------|-------------------------------------------------------------|
| NetBIOS Name | Filters devices by the NetBIOS name assigned to the device. |

- Select one of the following operators from the drop-down list; the operators available are based on the selected category:



| Option | Description |
|----------------|------------------------------------------------------------------------------------------|
| = | Filters devices that are an exact match of the search field for the selected category. |
| ≠ | Filters devices that do not exactly match the search field. |
| ≈ | Filters devices that include the value of the search field for the selected category. |
| ≈/ | Filters devices that exclude the value of the search field for the selected category. |
| starts with | Filters devices that start with the value of the search field for the selected category. |
| exists | Filters devices that have a value for the selected category. |
| does not exist | Filters devices that do not have a value for the selected category. |

- In the search field, type the string to be matched, or select a value from the drop-down list. The input type is determined by the selected category.

For example, if you want to find devices based on Name, type the string to be matched in the search field. If you want to find devices based on Role, select from the drop-down list of roles.

FILTER CRITERIA

Match All ▾

Name ▾ ≈ ▾ accounting-.* ✕

Add Filter Add Filter Group

FILTER CRITERIA

Match All ▾

Role ▾ = ▾ Select an item... ✕

Add Filter Filter...

- Database
- DHCP Server
- DNS Server

Tip: Depending on the selected category, you can click the RegEx icon in the text field to enable matching by regular expression.

FILTER CRITERIA

Match All ▾

Name ▾ = ▾ ✕

Add Filter Add Filter Group

Type regular expression

- Optional: Click **Add Filter** to add more filter criteria.
- Optional: Click **Add Filter Group** to add filter criteria to the results of the original filter.
For example, if you filter for devices names that start with "acct", you can add a new group of criteria that filters for a certain role or tag within the group of devices that start with "acct".
- Click **Save**.

You can change the criteria by clicking the group you want to modify from the Device Groups page, and then clicking **Properties**.

Create a static device group

- Log in to the ExtraHop system through `https://<extrahop-hostname-or-IP-address>`.
- Click **Assets** and then click **Device Groups**.
- Click **Create Device Group**.
- In the **Name** field, type a name for the new group.
- In the Group Type section, select **Static**.
- Optional: In the **Description** field, add information about this device group.

7. Click **Save**.
Your device group is now created.
8. Add devices to your group.
 - a) Click **Devices** in the left pane.
 - b) [Find a device](#) and then select the checkbox next to the devices you want to add to your group.
 - c) At the top of the device table, click **Assign to Group**.
 - d) Select a device group from the Group drop-down list.
 - e) Click **Add to Group**.

Next steps

Remove devices from a group by selecting the checkbox next to the device name and clicking **Remove from Group** in the upper right corner.