

# Create a custom device

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To collect metrics for a segment of traffic across multiple IP addresses and ports, you can create a custom device on a Discover or Command appliance. Custom devices are useful for monitoring traffic outside of your local broadcast domain, such as branch offices, stores, or clinics.


Here are some important considerations about custom devices:

- Full system or full write privileges are required to create a custom device.
- Custom devices only appear in the ExtraHop system after traffic that matches your specified criteria is observed.
- Avoid creating multiple custom devices for the same IP addresses or ports. Custom devices that are configured with overlapping criteria might degrade system performance.
- Avoid creating a custom device for a broad range of IP addresses or ports, which might degrade system performance.
- A single custom device counts as one device towards your licensed capacity for Advanced Analysis and Standard Analysis.



**Note:** You can also [automate this task through the REST API](#).

The following steps show you how to create a custom device:

1. Log into the Web UI of the Command or Discover appliance.
2. Click the System Settings icon  and then click **Custom Devices**.
3. Click **Create Custom Device**.
4. In the **Name** field, type a unique name for the custom device.
5. In the **Discovery ID** field, type a unique identifier.  
If this field is left blank, a Discovery ID is generated from the custom device name. The Discovery ID cannot contain spaces and cannot be changed after the custom device is saved.
6. Optional: Click the **Custom Device Enabled** checkbox to specify whether the custom device is enabled or disabled.
7. Optional: In the **Description** field, add information about the custom device.
8. (Command appliance only) From the **Appliance** drop-down list, select the Discover appliance that you want to associate with the custom device.
9. Click **Add Criteria** to specify the IP addresses, port ranges, and VLAN ranges that you want to collect metrics for.  
You can provide a combination of criteria to collect metrics across multiple devices or for a single device. You do not need to complete each field.
  - In the **IP Address** field, type an IP address or a CIDR notation.
  - In the **Destination Port Range** fields, type a minimum and a maximum destination port number.
  - In the **Source Port Range** fields, type a minimum and a maximum source port number.
  - In the **VLAN Range** fields, type a minimum and a maximum VLAN ID.
10. Optional: Click **Add Criteria** to configure an additional IP address, port range, or VLAN range.
11. Click **Save Changes**.



**Tip:** Click **Save All Changes** to save all custom devices that have unsaved configuration changes.

## Next steps

- [Find a device](#)
- [Add a custom device to the watchlist](#)

- [Add a tag to a custom device](#)
- [Migrate pseudo devices to custom devices](#)