



Specify tuning parameters for detections

Published: 2022-05-09

By providing information about your network environment, you can help improve the quality and accuracy of rules-based detections, which are authored by ExtraHop. Some rules-based detections rely on tuning parameters and these detections are not generated if the tuning parameters are left empty.

If your ExtraHop deployment includes a Command appliance or Reveal(x) 360, we recommend that you share and [manage settings](#) from those systems to all connected ExtraHop systems.

 **Note:** Parameter fields on this page might be added, deleted, or modified over time by ExtraHop.

1. Log in to the ExtraHop system through `https://<extrahop-hostname-or-IP-address>`.
2. Click the System Settings icon  and then click **Tuning Parameters**.
3. Specify values for any of the following parameters available on the page.

| Option | Description |
|---|---|
| Gateway Devices | <p>By default, gateway devices are ignored by rules-based detections because they can result in redundant or frequent detections.</p> <p>Select this option to identify potential issues with gateway devices like your firewalls or routers.</p> |
| Inbound Tor Nodes | <p>By default, inbound connections from known Tor nodes are ignored by rules-based detections because they can result in low-value detections in environments with minimal Tor traffic.</p> <p>Select this option to identify detections on inbound connections from known Tor nodes if your environment observes substantial incoming Tor traffic.</p> |
| Outbound Tor Nodes | <p>By default, outbound connections to known Tor nodes are ignored by rules-based detections because they can result in low-value detections in environments with minimal Tor traffic.</p> <p>Select this option to identify detections on outbound connections to known Tor nodes if your environment observes substantial outgoing Tor traffic.</p> |
| Accelerated Beaconsing Detection | <p>By default, the ExtraHop system detects potential beaconsing events over HTTP and SSL.</p> <p>Select this option to detect beaconsing events faster than the default detection.</p> <p>Note that enabling this option can increase the detection of beaconsing events that are not malicious.</p> |
| Approved Public DNS Servers | <p>Specify public DNS servers allowed in your environment that you want rules-based detections to ignore.</p> <p>Specify a valid IP address or CIDR block.</p> |

| Option | Description |
|--------------------------------------|---|
| Approved Internal DNS Servers | <p>If you do not specify a value for this parameter or for Approved Internal DNS Servers, detections that rely on this parameter might not be generated.</p> <p>Specify internal DNS servers allowed in your environment that you want rules-based detections to ignore.</p> <p>From the drop-down list, start typing the name of the device, and then select a device from the filtered list.</p> <p>If you do not specify a value for this parameter or for Approved Public DNS Servers, detections that rely on this parameter might not be generated.</p> |
| Allowed HTTP CONNECT Targets | <p>Specify URIs that your environment can access through the HTTP CONNECT method.</p> <p>URIs must be formatted as <i><hostname>:<port number></i>. Wildcards and Regex are not supported.</p> <p>If you do not specify a value, detections that rely on this parameter are not generated.</p> |
| Approved HTTP Ports | <p>Specify non-standard server ports in your environment that you want rules-based detections to ignore when HTTP traffic is observed on these ports.</p> <p>Type a single HTTP port number per field.</p> <p>If you do not specify a value, detections that rely on this parameter are not generated.</p> |
| Approved User Agents | <p>Specify HTTP user agents in your environment that you want rules-based detections to ignore.</p> <p>Type a single user agent per field.</p> |

4. Click **Save**.

Next steps

Click **Detections** from the top navigation menu to [view detections](#).