


# Connect to Reveal(x) 360 from self-managed sensors

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This guide provides instructions for connecting Reveal(x) 360 to the self-managed sensors and Trace appliances that are deployed on-premises or in AWS, Azure, and Google Cloud Platform (GCP) cloud service providers.


## Before you begin

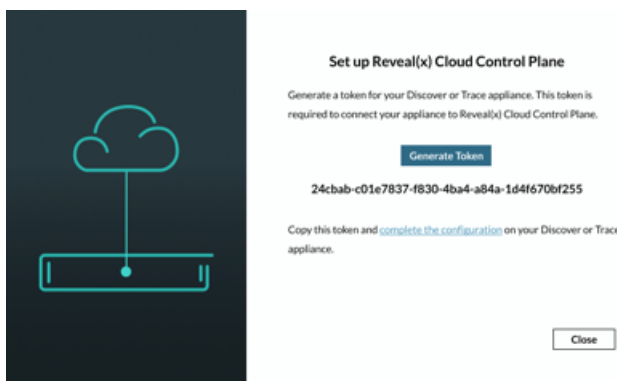
- You must have an Okta user account with OktaAdmin privileges to configure Reveal(x) 360. The details about setting up this account are in the introduction email sent from ExtraHop Networks.
- You must have a Reveal(x) 360 user account with [Unlimited privileges](#).
- Your Discover and Trace appliances must be connected to ExtraHop Cloud Services before connecting to Reveal(x) 360. For more information, see [Connect to ExtraHop Cloud Services](#).
- If you have a firewall, all traffic must be permitted outbound to TCP 443 to connect to ExtraHop Cloud Services and the ExtraHop Cloud Recordstore.


 **Note:** For ExtraHop-managed sensors, see [Deploy Reveal\(x\) 360 sensors for AWS](#).

## Generate a token

Generate a token for each sensor that you want to connect to Reveal(x) 360 Cloud Control Plane.

1. Open a web browser and go to the URL provided in your introduction email.
2. Click **Log in with ExtraHop Okta**. Do not type a username and password. If you are not already signed in to Okta, you are redirected to the Okta sign in page. Type your email address in the Username field, type your password, and then click **Sign In**. The ExtraHop Overview page appears.
3. Click the System Settings icon  at the top right of the page and then click **Administration**.
4. On the Connected Appliance Administration page, click **Generate Token**.
5. Click **Generate Token**.



 **Note:** Each sensor or Trace appliance that you want to connect to Reveal(x) 360 requires a unique token.

6. Copy the generated token.

## Connect your sensor

1. Log in to the Admin UI on your self-managed sensor through `https://<extrahop-hostname-or-IP-address>/admin`.
2. In the ExtraHop Command Settings section, click **Connect Command Appliances**.
3. Click **Add Appliance**.
4. Paste the token you generated from Reveal(x) Cloud into the **Generated Token** field.
5. Type a name into the Device Nickname field to identify this sensor in Reveal(x) 360 Cloud Control Plane.
6. Click **Connect**.

## Connect your Trace appliance

1. Log in to the Admin UI on your self-managed Trace appliance through `https://<extrahop-hostname-or-IP-address>/admin`.
2. In the Trace Cluster Settings section, click **Connect to Reveal(x) 360**.
3. Paste the token you generated from Reveal(x) 360 into the **Generated Token** field.
4. Type a name into the Trace Appliance Nickname field to identify this appliance in Reveal(x) 360.
5. Click **Connect**.

## Create and manage Reveal(x) 360 users

Reveal(x) 360 Cloud Control Plane users are managed through Okta, a cloud-based identity management system. As a Reveal(x) 360 administrator with `OktaAdmin` privileges, you can add users and assign them to pre-defined groups with different privilege levels.


1. Open a web browser and go to `https://extrahop-cloud.okta.com`.
2. Type your email address in the Username field and then click **Next**.
3. Click **Admin**.
4. From the Directory drop-down menu, click **People**.
5. Click **Add Person** and fill in all fields. The **Secondary email** field is optional.
  - a) In the Groups field, add one of the following groups.



**Note:** Note: A person can only be a member of one group.

- OktaAdmin
- ApplianceAdmin
- FullWrite-FullPacketsWithKeys
- FullWrite-FullPackets
- FullWrite-NoPackets
- LimitedWrite-FullPacketsWithKeys
- LimitedWrite-FullPackets
- LimitedWrite-NoPackets
- PersonalWrite-FullPackets
- PersonalWrite-NoPackets
- FullReadOnly-FullPackets
- FullReadOnly-NoPackets
- RestrictedReadOnly-NoPackets

- b) Select the **Send user activation email now** checkbox.

 **Note:** Each group is preceded by your customer-specific domain name and customer ID, similar to the following example: `example_company-a001E00001Lfn4LUAR-FullReadOnly-NoPackets`.

For more information about privileges, see [User privileges](#).

6. Click **Save**. Alternatively, click **Save and Add Another** to add additional users. The user is sent an activation email with instructions about how to complete their account setup. After the account is set up, the user can log in to Reveal(x) 360 through <https://extrahop-cloud.okta.com>.


## Test the configuration

Verify that you can view traffic from your connected sensors on Reveal(x) 360 Cloud Control Plane.

1. Navigate to the Reveal(x) 360 Cloud Control Plane URL.
2. Click **Log in with ExtraHop Okta**. Do not type a username and password. If you are not already signed in to Okta, you are redirected to the Okta sign in page. Type your email address in the Username field, type your password, and then click **Sign In**.

The ExtraHop Overview page appears.

3. Click **Dashboards** at the top of the page.
4. In the left pane, under System Dashboards, click **Network**. The charts should display data from the traffic.

 **Note:** It can take up to ten minutes after the traffic session is created before data appears.

## Learn more about Reveal(x) 360

After traffic data appears, you can begin exploring Reveal(x) 360. Check out our [documentation website](#), which includes [general concepts](#), [how-to guides](#), and [walkthroughs](#). For example, you can learn how to [create a dashboard](#) or [activity map](#), prioritize the devices on your network for [advanced analysis](#), and [investigate security detections](#).