

# Deploy Reveal(x) Ultra in AWS

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In this guide, you will learn how to deploy the ExtraHop Reveal(x) Ultra sensor through AWS Marketplace.

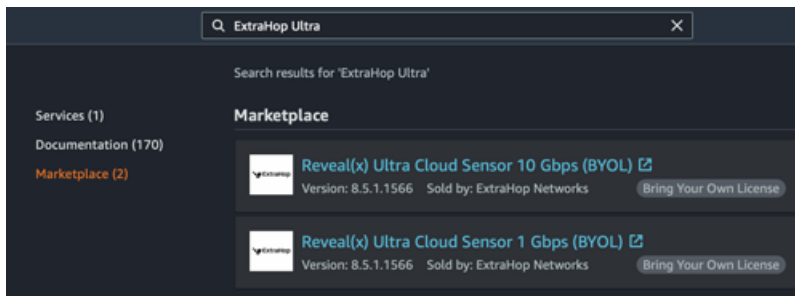
## System requirements

Make sure you have everything you need to successfully deploy the sensor:

- An AWS account
- An ExtraHop Reveal(x) Ultra license or product key
- A VPC where the sensor will be deployed
- Two ENI subnets. One subnet to access the management interface of the sensor and one subnet that will forward traffic to the sensor

## Deploy the sensor


1. Log in to your AWS Management Console.
2. In Marketplace, search for ExtraHop Ultra sensors.



3. Click one of the following sensor names:
  - **Reveal(x) Ultra Cloud Sensor 1 Gbps (BYOL)**
  - **Reveal(x) Ultra Cloud Sensor 10 Gbps (BYOL)**
4. Click **Continue to Subscribe**.
5. Read the ExtraHop Terms and Conditions, and then click **Accept Terms**.
6. After the subscription process completes, click **Continue to Configuration**.
7. Select **CloudFormation Template** from the **Fulfillment option** drop-down list.
8. Select one of the following CloudFormation templates from the drop-down list:
  - **Single sensor with ENI as traffic mirror target**
  - **Single sensor with NLB as traffic mirror target**
9. Select a firmware version from the **Software Version** drop-down list.
10. Select your AWS region from the **Region** drop-down list.
11. Click **Continue to Launch**.
12. On the Launch this software page, under Choose Action, select **Launch CloudFormation**.
13. Click **Launch**.
14. On the Create stack page, click **Next**.
15. On the Specify stack details page, type a name in the **Stack name** field to identify your instance in AWS.
16. In the Network configuration section, configure the following fields:

- **VPCID:** Select the VPC where the sensor will be deployed
  - **MgmtSubnetID:** Select the subnet where the management ENI will be deployed
  - **CaptureSubnetID:** Select the subnet where the data capture ENI will be deployed
  - **RemoteAccessCIDR:** Type a CIDR IP range to restrict user access to the instance. We recommend that you configure a trusted IP address range.
17. In the ExtraHop configuration section, select one of the following options for the PublicIP field:
    - Select **false** if you do not want a public-facing IP address.
    - Select **true** if you want the sensor available to users through the public internet.
  18. Optional: In the Other parameters section, type an AMI ID for the source instance.
  19. **Click Next.**
  20. Add one or more tags in the Tags section and then click **Next.**
  21. Review your configuration settings and then click **Create stack.**
  22. Wait for the creation to complete and then click the **Outputs** tab.
  23. Copy the **SocSensorPublicCredentials** value. This is the setup user password required to log in to the ExtraHop system. Click the **EDAPublicAccess** value URL to go to the sensor Administration settings page.

#### Next steps

- [Register your ExtraHop system](#)
- Configure the sensor network interfaces by clicking **Connectivity** in the Administration settings. Ensure that **Management Port** is selected on Interface 1. For Interface 2, choose one of the following options:
  - For the 1 Gbps sensor, select **Management + RPCAP/ERSPAN/VXLAN Target.**
  - For the 10 Gbps sensor, select **High-Performance ERSPAN/VXLAN Target.**
-  **Important:** If your deployment includes a console, the following workflow ensures the best performance for initial device synchronization. First, connect all sensors to the console, then configure network traffic forwarding to the sensors.
- Complete the recommended procedures in the [post-deployment checklist](#).