# 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. Both subnets must be in the same Availability Zone.

# Deploy the sensor

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

	), ExtraHop Ultra	
Services (1) Documentation (170) Marketplace (2)	Search results for 'ExtraHop Ultra' Marketplace	
	Reveal(x) Ultra Cloud Sensor 10 Gbps (BYOL) 2 Version: 8.5.1.1566 Sold by: ExtraHop Networks Bring Your Own Licen	tse
	Reveal(x) Ultra Cloud Sensor 1 Gbps (BYOL) 2 Version: 8.5.1.1566 Sold by: ExtraHop Networks Bring Your Own Licen	se

- 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.

#### Configure this software

Fulfillment option	
✓ Select a fulfillment option	Amazon Machine Image
Amazon Machine Image	<ul> <li>Deploy a vendor-provided Amazon Machine Image (AMI) on Amazon EC2</li> </ul>
CloudFormation Template	(AMI) ON AMIAZON EC2
	CloudFormation Template
	Deploy a complete solution configuration using a CloudEormation template

- 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. This option is recommended when you have more than ten traffic sources.

## Configure this software

Choose a fulfillment option and software version to launch this software.

CloudFormation Template	~	CloudFormation Template Deploy a complete solution configuration using a CloudFormation template
Select a CloudFormation template Single Sensor with ENI as Traffic Mirror Target	Ð	

- 9. Select a firmware version from the Software Version drop-down list.
- 10. Select your AWS region from the Region drop-down list.

#### Configure this software

Eulfillment ontion		

Choose a fulfillment option and software version to launch this software.

CloudFormation Template	~	CloudFormation Template Deploy a complete solution configuration using a CloudFormation template
Single Sensor with NLB as Traffic Mirror Target	~	
oftware version		
8.9.1.1470 (Jul 18, 2022)	~	
Whats in This Version		
Reveal(x) Ultra Cloud Sensor 1 Gbps (BYOL) running on c5.2xlarge		
Learn more		
Region		
US East (N. Virginia)	~	

#### 11. Click Continue to Launch.

12. On the Launch this software page, under Choose Action, select Launch CloudFormation.

#### Launch this software

Review the launch configuration details and follow the instructions to launch this software.

Configuration details		
Fulfillment option	Single Sensor with NLB as Traffic Mirror Target Reveal(x) Ultra Cloud Sensor 1 Gbps (BYOL) running on c5-zvlarge	
Software version	8.9.1.1470	
Region	US East (N. Virginia)	
Usage instructions		
Choose Action		
Choose Action		
	n	

- 13. Click Launch.
- 14. On the Create stack page, leave the default settings unchanged and 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. The MgmtSubnetID specified in the previous step must be a public subnet.
- 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. The CREATE\_COMPLETE status appears on the Stack info page when the stack creation is successful.

ExtraHop 1100v Ultra	Delete Update Stack actions V Create stack V
Stack info Events Resources Outputs Par	ameters Template Change sets
Overview	C
Stack ID	Description
ancawscloudformation:us-east-	Create a 1Gbps Reveal(x) Ultra Cloud Sensor with ENI Traffic Mirror
1:accountIDNumber:stack/ExtraHop1100vUltra/UUID	Target
Status	Status reason
O CREATE_COMPLETE	-
Root stack	Parent stack
-	-
Created time	Deleted time
2022-04-07 11:20:16 UTC-0400	-
Updated time -	
Drift status	Last drift check time
O NOT_CHECKED	-
Termination protection	IAM role
Disabled	-

#### 23. Click the **Outputs** tab.

ExtraHop 1100v Uli	tra	Delete	Update Stack ac	tions <b>v</b>	Create stac	k₹
Stack info Events Reso	urces Outputs	Parameters	Template Change set	15		
Outputs (2) Q. Search outputs						°
Кеу	Value	$\nabla$	Description	4	Export name	⊽
EDAPublicAccess	https:// <ipaddress>/a</ipaddress>	admin/	Access: Reveal(x) Sensor			
SocSensorPublicCredentials	<sensorpassword></sensorpassword>		Credentials: Reveal(x) Sens	or		

- 24. Copy the **SocSensorPublicCredentials** value. This is the setup user password required to log in to the ExtraHop system.
- 25. 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** is selected on Interface 1. For Interface 2, choose one of the following options:
  - For the 1 Gbps sensor, select Management + RPCAP/ERSPAN/VXLAN/GENEVE Target.

# 📲 ExtraHop

• For the 10 Gbps sensor, select High-Performance ERSPAN/VXLAN/GENEVE 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 Z.