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Overview

This Quick Start Guide describes the steps required to install Skybox™ Security Suite on AWS. This guide walks you through the process from the first access of the marketplace until Skybox is successfully deployed. This installation provides the full feature set of Skybox Security Suite; however, you require a license to use each module. If you already have a Skybox license for one or more modules it can be used with this installation. If not, contact Skybox Security via one of the following:

- Phone: 1-408-441-8060
- Email: info@skyboxsecurity.com
- Website: https://www.skyboxsecurity.com

About Skybox Security

Skybox provides a holistic cybersecurity management platform that gives enterprise organizations the ability to gain full context and understanding of their attack surface so they can make informed decisions that solve security issues better and faster. The platform unifies vulnerability management and security policy management with an aggregation of data sets from over 150 security and network technologies, and allows enterprise teams to analyze and validate network and security configurations together so they can most effectively close vulnerabilities while making policy and rule changes that truly optimize overall security. The Skybox Platform helps enterprise teams reduce systemic across their entire organization with a mature and tightly connected security management framework that ensures planning, implementation, and ongoing change management can collectively attain the best overall security posture. The Skybox Platform includes four software modules that can be licensed for vulnerability and threat management and security policy management: Firewall Assurance, Network Assurance, Vulnerability Management, Change Management and a daily threat feed for a detailed picture of the attack surface. The product is updated regularly with new features and capabilities. Successive updates can be downloaded from within the product and require moderate interaction with the operating system.

Note: For security reasons, we strongly recommend that you take great care when opening ports to internal hardware devices over public networks such as the Internet.
Installing Skybox Security Suite on AWS

Skybox Security is installed from the AWS Management Console (preferred) or directly from the AWS Marketplace.

The onboarding process assumes that you have an AWS account and that you are familiar with deploying applications in the cloud.

The process for onboarding Skybox in AWS includes the following steps:

1. Deploy Skybox on AWS. There are 2 ways to deploy Skybox:
   - Deploy Skybox from the AWS Management Console (preferred method if your organization uses the AWS console)
   - Deploy Skybox from the AWS Marketplace

2. Connect to the Instance

3. Install Skybox Manager

Deploy Skybox from the AWS Management Console

Skybox Security is installed from within the AWS Management Console.

1. Log onto your AWS Management Console with the link provided by your administator and click EC2.

2. In the EC2 Console, click **Instances** to go to your list of Instances.

3. Click **Launch Instance**.

AWS now presents a series of steps to create your Skybox instance.
AWS Create Instance

1. Choose an Amazon Machine Image (AMI)
   a. From the left side panel, select AWS Marketplace.
   b. Search for Skybox.
   c. Locate Skybox Security Suite 11 and click Select.
   d. On the Skybox product description page, click Continue.

2. Choose an Instance Type
   a. Select one of the available instance types.
      Skybox recommends using:
      - **m4.4xlarge** instance type for any deployment up to 100 firewalls
      - **m4.10xlarge** instance type for larger deployments.
   b. Click Next: Configure Instance Details.

3. Configure Instance Details
   No changes are required in this step.
   - Click Next: Add Storage.
4. Add Storage

Set the **Size** and **Volume Type** for the root storage.

We recommend:

- **Size**: 500 GB
- **Volume Type**: General Purpose SSD

Click **Next: Add Tags**.

5. Add Tags (optional)

Tags help you manage your instances, images, and other Amazon EC2 resources by allowing you to assign your own metadata to each resource.

Click **Next: Configure Security Group**.

6. Configure Security Group

   a. Select an existing security group or create a new one. The default ports are 22, 444, 8443.

   **Note**: If the node is intended to run a remote collector (non-reverse), port 9443 must be opened instead of port 8443.

   b. Click **Next: Review Instance Launch**.

7. Review Instance Launch

   a. Review all parameters before starting the instance.

   If there are any changes to be made, select the appropriate step from the menu on top of the page.
8. In the Select or Create Key Pair dialog:

a. If you have an existing key pair that you want to use:
   i. Select **Choose an existing key pair**.
   ii. Select an available key pair from the list. These are key pairs that have been used in AWS.

b. If none of the existing key pairs meet your requirements:
Installing Skybox Security Suite on AWS

1. Select **Create a new key pair**.
2. Enter a key pair name.
3. Click **Download Key Pair** and provide a key pair that was created outside of AWS.
4. Select the acknowledgment statement.
5. Click **Launch Instances**.
   The Skybox instance is deployed.
Continue with **Connect to the Instance**.

### Deploy Skybox from the AWS Marketplace

Skybox is installed from within the AWS Marketplace.
1. Browse to the AWS marketplace at [https://aws.amazon.com/marketplace](https://aws.amazon.com/marketplace) and search for **Skybox**.

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2. On the search results page, select **Skybox Security Version 11**.

3. The **product description** page shows the EC2 Instance Types that work when deploying Skybox.
   The recommended option is already selected. You can change the selection.
   Click **Continue to Subscribe** to continue the deployment process.
4. Click **Continue to Configuration** to agree to the terms of use and privacy policy.

5. The **configuration page** has the fulfillment options and the latest Software Version selected. Click **Continue to Launch** to start the installation process.
6. On the **Launch** page, review the configuration and if needed, change the default settings to selections that best match your installation requirements.
You can update the following settings:

- **EC2 Instance Type** - To get the optimal configuration for your Skybox instance.
- **VPC Settings**
- **Subnet Settings**
Installing Skybox Security Suite on AWS

- **Security Group Settings** - If you have an existing Security Group that you want to use, select that security group.
  
  If this is the first time deploying on AWS, or none of the existing security groups meet your requirements, click **Create New Based On Seller Settings**.

- **Key Pair Settings** - If you have an existing Key Pair that you want to use, select that Key Pair.
  
  If none of the existing Key Pairs meet your requirements, click **Create a key pair in EC2**.

7. Click **Launch**.
   
   The Skybox instance is deployed.
   
   Continue with **Connect to the Instance**.

**Connect to the Instance**

Most administration activities can be completed via your browser using Skybox Appliance Administration. The process to connect to it is described in this section.

**Note:** Some activities, including updating the operating system packages or upgrading the Skybox application, require SSH access to the machine. An SSH session can be established from the Azure Cloud Shell or from your preferred SSH client. Refer to the Azure online documentation that explains how to establish an SSH session to your Skybox instance.

*To connect to the instance via your browser.*

1. To connect to an instance that you created, in the deployment created message, click **EC2 Console**.

   **Congratulations! An instance of this software is successfully deployed on EC2!**

   AMI ID: ami-0edd9557c93d8cc00  
   [View Launch Configuration Details]

   You can view this instance on **EC2 Console**. You can also view all instances on **Your Software**. Software and AWS hourly usage fees apply when the instance is running and will appear on your monthly bill.

   To connect to an existing instance, in the left side navigation panel, click **Instances**.
2. Click the instance that you created.

3. From the **Instance summary** page, copy the IP address of your VM.

4. In your browser, enter `https://<VM IP address>:444`, where `<VM IP address>` is the IP address that you copied, and press **Enter**.

   This connects you to the Appliance Administration port. If a security warning is displayed, proceed to the IP address.

   **Note:** This security warning is related to the default self-signed certificate created by the installation.

   You can add a CA certificate as described in *Adding your own certificate* in the *Skybox Virtual Appliance Quick Start Guide*.

   This guide can be accessed via the help of Appliance Administration after you log in to it in the next step.
5. When you are connected, log in to Skybox Appliance Administration as user skyboxview with the default password skyboxview.

6. Change the default password.
   After you change your password, Skybox Appliance Administration opens.
Skybox Appliance Administration is where you can do security and date/time setup, network configuration and other system functions, and view logs.

For additional information, click Help to access the Skybox Virtual Appliance Quick Start Guide.

Continue with Install Skybox Manager.

Install Skybox Manager

After Skybox Security is installed, you need to install Skybox Manager. It is required to configure certain admin components within the product. However, almost all user functions are done in Skybox Web Client and not in Skybox Manager.

Skybox Manager is a Java client and should be installed on a Windows PC. The Skybox Manager installer is obtained directly from the VM via the Skybox Appliance Administration Support tab.

1. Click **Support > Skybox Manager > Download Skybox Manager**

   ![Download Skybox Manager]

   Download Skybox Manager always provides the manager compatible with the initial version included in the ISO.

2. Select the Skybox Manager executable that is displayed.
3. Save and run the Installer to install Skybox Manager

   After Skybox is installed on AWS, the Manager automatically upgrades during its first connection to the Server.

4. Start Skybox and log in with the following parameters:
   - **Default user**: Skyboxview
   - **Default password**: Skyboxview
   - In the **Server** field, enter the VM IP address, where VM IP address is the IP address from the VM Overview page.
Chapter 2

License Skybox Security Suite

Skybox Security Suite requires a valid license file to operate. If you are already a Skybox customer your current license will work with this installation.

If you do not possess a license or you would like to purchase one, contact Skybox Security via one of the following:

- Phone: 1-408-441-8060
- Email: info@skyboxsecurity.com
- Website: https://www.skyboxsecurity.com

Detailed instructions explaining how to set up Skybox Security Suite are available online at http://downloads.skyboxsecurity.com/files/Installers/Skybox_View/latestDocs/