Creating an IBM Security Identity Governance and Intelligence virtual appliance image on Amazon EC2

Contents

Amazon EC2 support

You can deploy IBM® Security Identity Governance and Intelligence to the Amazon Elastic Compute Cloud (Amazon EC2) environment.

Amazon EC2 is a web service that provides:

- Scalable computing capacity in the Amazon Web Services (AWS) cloud
- Capability to deploy an Amazon Machine Image (AMI)

Deploying IBM Security Identity Governance and Intelligence to Amazon EC2 involves the following processes:

1. Create an Amazon Machine Image (AMI) from the appliance VHD image.
2. Launch an instance of the AMI in Amazon EC2.

For details about how to use the Amazon EC2 command line interface to launch an instance, see Launching an Instance Using the Amazon EC2 CLI.

Creating an Amazon Machine Image (AMI) from the Virtual Hard Disk (VHD) file

Upload the appliance VHD image to Amazon EC2 and create an AMI so that it can be deployed in Amazon EC2.

About this task

Follow these steps to manually upload an image and create an AMI with the Amazon EC2 console.

Procedure

1. Download and install the Amazon EC2 API Tools. You can download the tool from the Amazon EC2 API Tools page.
2. Run the following commands in the specified sequence to upload the VHD to Amazon EC2 and create an AMI.

Sequence	Command	Description
1	ec2-import-volume	Imports the appliance VHD into Amazon EC2.
2	ec2-describe-conversion-tasks	Monitors the **ec2-import-volume** task to show when the task is complete.
3	ec2-create-snapshot	Creates a snapshot of the imported disk image. This snapshot is required during the AMI registration process.
4	ec2-describe-snapshots	Monitors the status of the snapshot creation to show when the snapshot task is complete.

Sequence	Command	Description
5	ec2-register	Registers a snapshot as a new AMI. You must use the following parameter values when you register the AMI: **architecture:** x86_64 **kernel:** Use the appropriate parameter value for the kernel ID. **root device name:** /dev/xvda **virtualization type:** paravirtual
6	ec2-delete-disk-image	Removes the uploaded disk image from the storage bucket. The image is no longer required after you finish registering an AMI from the image.

Launching the appliance AMI

Launch an instance of the appliance AMI to run the appliance in Amazon EC2.

About this task

Follow these steps to manually launch an instance of the appliance AMI with the Amazon EC2 console.

Procedure

1. Log in to the Amazon EC2 console.
2. Go to **INSTANCES** > **Instances** > **Launch Instance**.
3. Select the IBM Security Identity Governance and Intelligence AMI that you want to launch.
4. Click **Launch**.
5. In the Choose an Instance Type window, select an instance type and click **Next: Configure Instance Details**.
6. In the Configure Instance Details window, select the options that best fit your environment and click **Next: Add Storage**.
7. In the Add Storage window, validate the storage and click **Next: Tag Instance**.
8. In the Tag Instance window, add any desired tags and then click **Click Next: Configure Security Group**.
9. In the Configure Security Group window, ensure that the selected security group allows inbound SSH and HTTPS access to the appliance. Restrict the access to only those IP addresses from which the appliance is administered. Click **Review and Launch**.

10. Review the details in the Review Instance window and click **Launch**.
11. In the Select an existing key pair or Create a new key pair window, you can opt to **Proceed without a key pair**. Check the acknowledgment check box. Click **Launch Instances** to proceed.

    Note: You do not need to associate a key pair with the instance. If you want to log on to the console of the launched instance, log on as the **admin** user.
12. Click **NETWORK & SECURITY** > **Network Interfaces**.
    a. Click **Create Network Interface**.
    b. On the Create Network Interface window, select a subnet and an appropriate security group. Since IBM Security Identity Governance and Intelligence requires 3 network interface cards, you must create another network interface.

       Note: By default, only one network interface is created with every instance. This interface is the primary interface, which cannot be removed from the instance.
    c. Select a network interface. Right-click the interface and click **Change** > **Source/Dest.Check** > **Disable**. Repeat this step for all the interfaces.
13. Select the appliance instance and complete these steps.
    a. Right-click the appliance instance.
    b. Select **Instance State** > **Stop**.
    c. Right-click the appliance instance.
    d. Select **Networking** > **Attach Network Interface**. Similarly, attach another network interface and start the instance.
14. Go to **INSTANCES** > **Instances** to check the status of the appliance instance.