

Launch and Configure a SAINT Amazon Machine Image (AMI) From the AWS Marketplace

As described in other SAINT reference guides and documentation, SAINT Security Suite can be deployed in a wide variety of locations and configurations. For the Amazon Web Services (AWS) environment, Security Suite can be deployed using the following methods:

1. **Software download and manual installation on your AWS instance.** Although we do provide this option, we recommend customers that deploy scanners into AWS use one of the two pre-configured AWS AMI options described below. For organizations that choose to perform the manual software installation, refer to the applicable installation guide shown under Resources – Installation Guides in the customer portal.
2. **Launched as an instance from SAINT's pre-configured Amazon Machine Image (AMI) directly from the AWS Marketplace.** For most organizations, the easiest deployment running SAINT scanning products in AWS is to launch an instance of SAINT's pre-configured Amazon Machine Image (AMI) from the AWS Marketplace. SAINT solutions on AWS can be found by navigating to the AWS Marketplace, searching for SAINT, and selecting from the available SAINT solutions. SAINT provides three deployment AMI options:
 - a. SAINT (with license) – this option provides the capability to run the full capabilities of Security Suite, including direct access to the management console (GUI) and ability to execute scans from the scanning engine (aka scanner node) integrated into the base installation, as well as executing scans via remote scanners outside of AWS. This AMI includes a license to run unlimited scans. All scan activity is metered per scan target on an hourly basis, and charged to the AWS account holder's monthly bill. [Amazon's Vulnerability and Penetration Testing policy](#) requires pre-approval for all scans originating from an AWS resource or targeting any AWS resources, unless the scanner being used has been pre-approved by AWS Security.
 - b. SAINT (BYOL) – this option is similar to the above option, but does not include a license. The user will be prompted to enter a SAINT license key upon initial login.
 - c. SAINT AMI Pre-Approved – **(coming soon)** this option is currently undergoing lab testing by the AWS Security team. Once approved, it will be available on the AWS Marketplace, along with the SAINT AMI described above. This AMI will provide the capability to execute scans of EC2 instances without prior approval from the AWS Security team. Per AWS policy, this SAINT AMI must only be deployed as a remote scanner (aka scanner node) within AWS and must not allow a user to specify a scan target." As such, it must be connected to another SAINT Security Suite or SAINTCloud license used as the management console; and target selection is obtained by the scanner based on instance ID information provided by a user at job setup time

The following pages describe the steps to log onto the marketplace, find SAINT solutions, set up an instance of the SAINT AMI, and set up your license:

Find and Launch a SAINT AMI

1. Log into AWS and go to the [Amazon marketplace](#)

OR

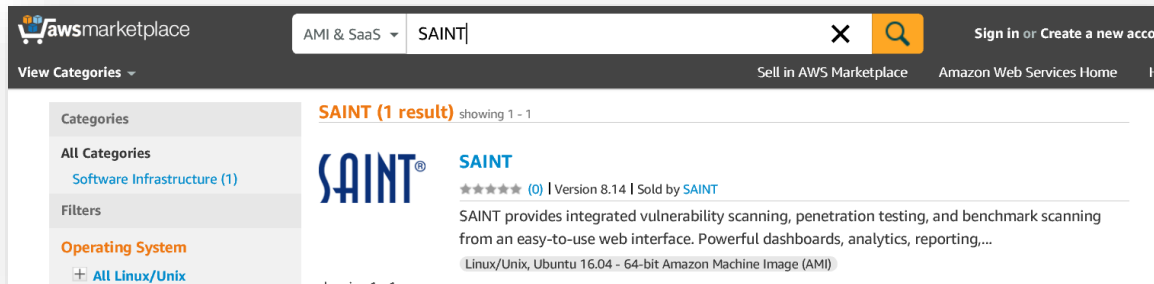
Log into your [AWS console](#)

Go to *EC2*.

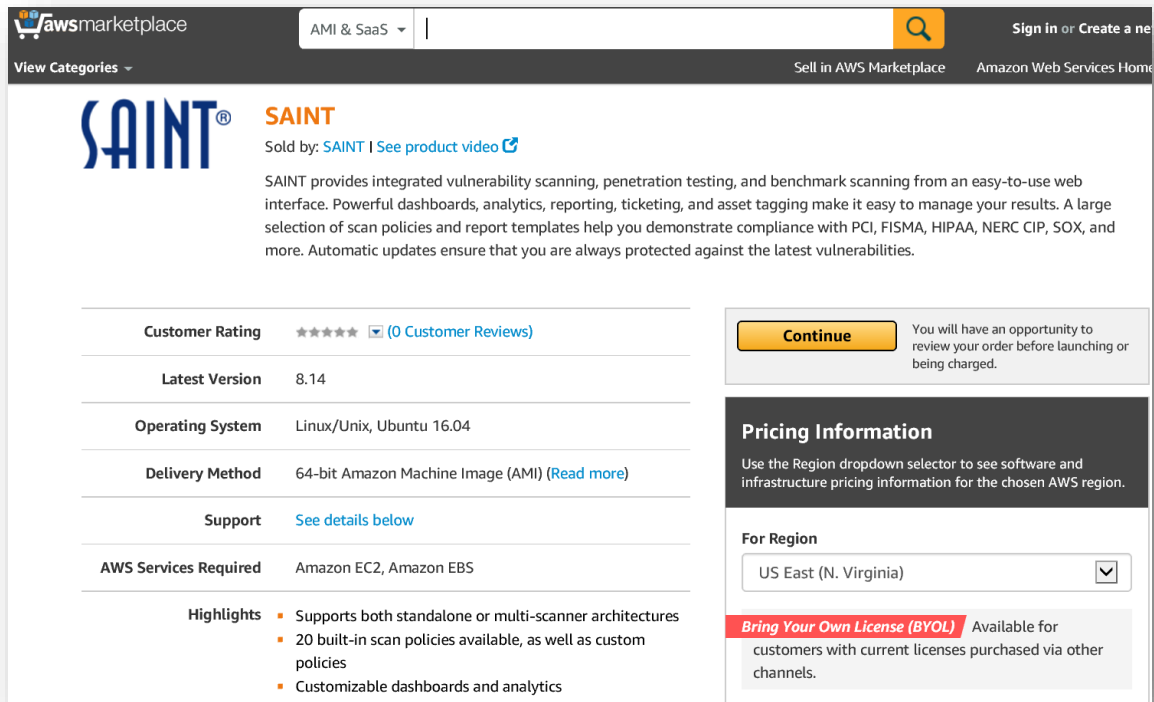
Click on the *Launch Instance* button.

In Step 1, click on *AWS Marketplace*.

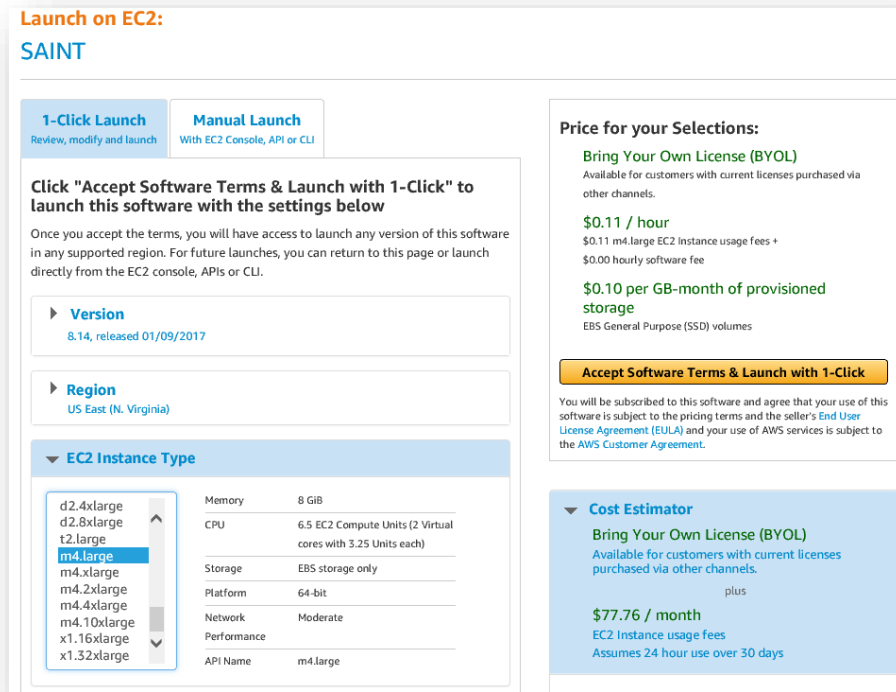
2. Type “SAINT” in the search box.



3. Click on the *Select* button or the product logo beside the applicable SAINT product listing to view the product page and start the setup process.



4. Click the *Continue* button on the product page to start the setup process.
5. Follow the instructions on the Launch screen as you continue through the launch wizard, as shown in the following example screen shot:



6. If you are launching the SAINT (with license) AMI, an IAM role with **aws-marketplace:MeterUsage** permission must be selected in step 3 of the launch wizard. Such a role is created by default, but you must enter a name for it.

Step 3: Configure Instance Details

Network ⓘ vpc-c57b55a1 (default) ⌂ Create new VPC

Subnet ⓘ No preference (default subnet in any Availability Zone) ⌂ Create new subnet

Auto-assign Public IP ⓘ Use subnet setting (Enable) ⌂

IAM role ⓘ The AMI you have selected (ami-0163bd7c) supports metered pricing and requires an IAM role with the aws-marketplace:MeterUsage permission to record software usage. [Learn more.](#)

Automatically create an IAM role with the required permission and the name below

Choose an existing IAM role from your account

metering-role ⌂ Create new IAM role manually

Log into your SAINT AMI

1. After the instance has been launched, open a web browser and enter the following URL:
<https://<hostname>>
 - <hostname> is the hostname or public IP address of the new instance
2. Log into the SAINT application with username “admin”. The default password is your instance ID.
3. Accept the License Agreement
4. Click on the hyperlink to navigate to the *Manage* menu – *License Key* page to set up your license.

Generate and Apply your SAINT License Key

If you are using the “Bring Your Own License” (BYOL) model, after setting up Security Suite, you will copy the License Key generated from SAINT’s Customer Portal and paste it into the installation/instance running as the manager.

1. Log into the [mySAINT Customer portal](#), using the account name and password you received in the SAINT Welcome email that included your license and account information. Use the “Forgot your Password?” option on the login page if you do not know your password. This link will auto-generate a new password.
2. Click the *License Key* menu to generate or view an existing license.
3. Click *Generate a Key*
4. Copy/paste the entire key content (including Transmission Key and Password) into the text area in the *License Key* page.
5. Click *Save*

Get the latest updates

The product is automatically configured for automatic updates at initial startup for the SAINT (with license) AMI, or upon entering your license key for the BYOL AMI. Updates are applied via the SAINTexpress update process. See the *System Updates* page under the *Manage* menu to verify the status of the update process (SAINTexpress Enabled). If you change your user name (e.g., when upgrading from an evaluation license to a purchased license) you will need to update that information on the System Update page. Updates can also be disabled by unchecking the SAINTexpress Enabled checkbox, to prevent automatic updates of your installation whenever the products restarts. This option may be preferable to comply with your change management policies or when collaborating with the SAINT Technical Support team on an issue.

For your initial setup, the last step in the process is to perform a system update to ensure your instance has all of the latest vulnerability checks, exploits, tutorial content, bug fixes, and feature updates. To perform the update process:

1. Navigate to the *Manage* menu - *System Updates* page
2. Click the *Restart and Update* button.

The update process will be completed once you see the “Restart” dialog and a status of “Restarted.”

3. Close this window.

Done! You can now navigate to the Scan page and set up your first scan.

For more information and help, refer to the on-line HELP from the SAINT application or contact [Technical Support](#)