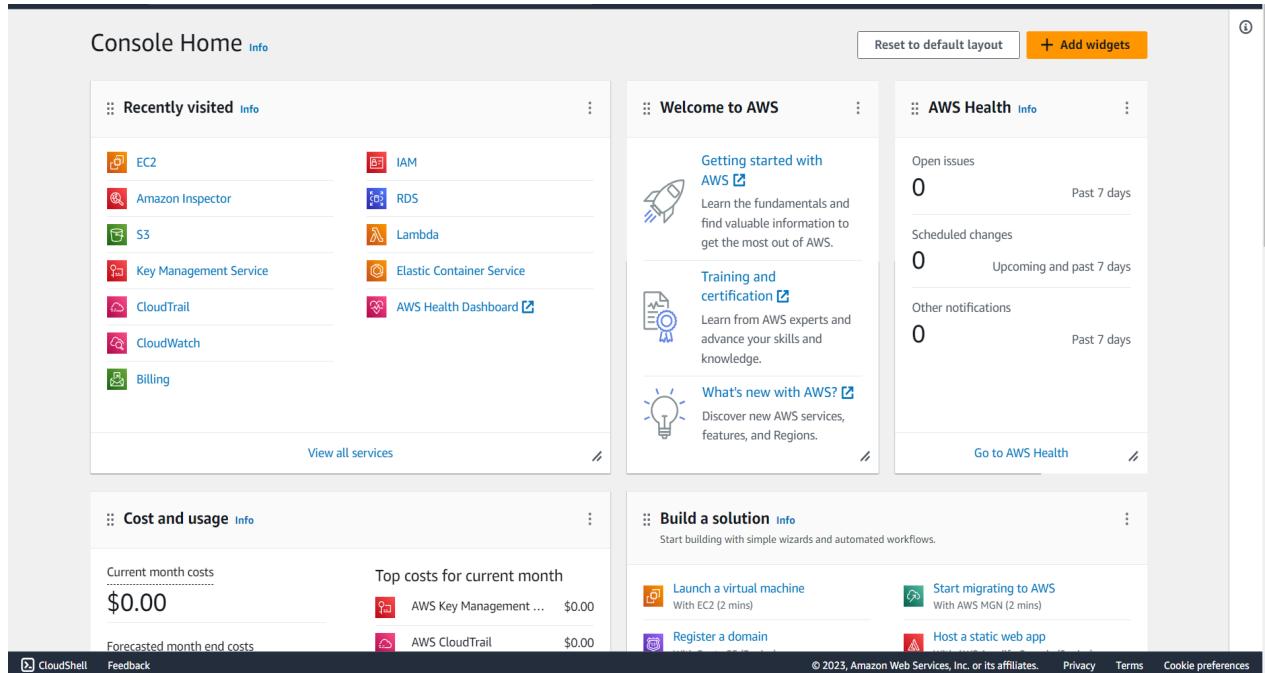
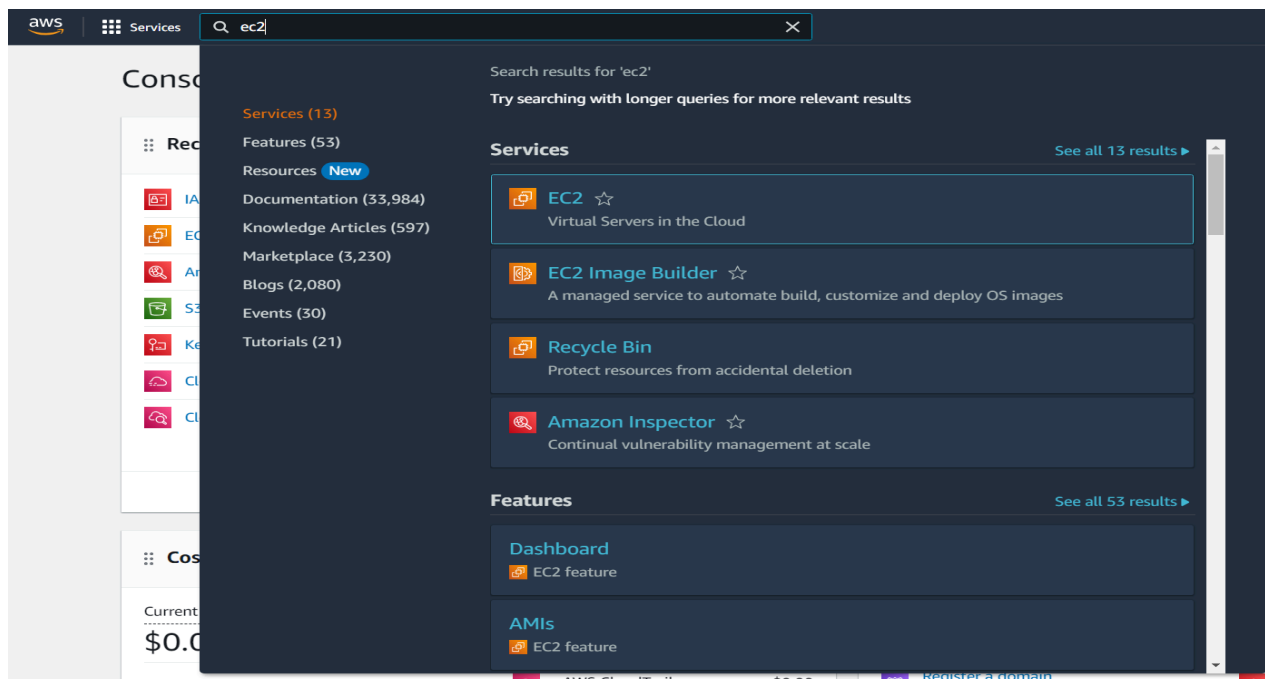


Finding vulnerabilities on EC2 instance using Amazon Inspector

1. Sign in to AWS Console.



2. Search and click on Ec2.



3. Click on “Launch instances”.

Instances [Info](#)

Connect

Instance state ▾

Actions ▾

Launch instances ▾

Find Instance by attribute or tag (case-sensitive)

< 1 > ⚙

Name [✎](#) ▾

Instance ID

Instance state ▾

Instance type ▾

Status check

Alarm status

Availability Zone ▾

Public IPv4 DNS

No instances

You do not have any instances in this region

Launch instances

4. Give a name to the instance.

Name and tags [Info](#)

Name

VM

Add additional tags

5. Select Ubuntu as the OS Image.

▼ Application and OS Images (Amazon Machine Image) [Info](#)

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

Search our full catalog including 1000s of application and OS images

Recents

Quick Start

Amazon Linux

aws

macOS

Mac

Ubuntu

ubuntu

Windows

Microsoft

Red Hat

Red Hat

SUSE Li

SUSE

Q

Browse more AMIs

Including AMIs from AWS, Marketplace and the Community

Amazon Machine Image (AMI)

Ubuntu Server 22.04 LTS (HVM), SSD Volume Type

ami-0287a05f0ef0e9d9a (64-bit (x86)) / ami-0b6581fde9e6e7779 (64-bit (Arm))

Virtualization: hvm ENA enabled: true Root device type: ebs

Free tier eligible ▾

Description

Canonical, Ubuntu, 22.04 LTS, amd64 jammy image build on 2023-09-19

Architecture

AMI ID

64-bit (x86) ▾

ami-0287a05f0ef0e9d9a

Verified provider

6. Create a security group or select an existing one.

▼ **Network settings** [Info](#)

Edit

Network [Info](#)

vpc-0dbe7bc3f6036f9b4

Subnet [Info](#)

No preference (Default subnet in any availability zone)

Auto-assign public IP [Info](#)

Enable

Firewall (security groups) [Info](#)

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

☒ Create security group ☐ Select existing security group

We'll create a new security group called 'launch-wizard-1' with the following rules:

☒ Allow SSH traffic from

Helps you connect to your instance

Anywhere
0.0.0.0/0

☒ Allow HTTPS traffic from the internet
To set up an endpoint, for example when creating a web server

☒ Allow HTTP traffic from the internet
To set up an endpoint, for example when creating a web server

⚠ Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

7. Set the number of instances to 3 and click on “Launch instance”.

▼ **Summary**

Number of instances [Info](#)

3

When launching more than 1 instance, [consider EC2 Auto Scaling](#)

Software Image (AMI)

Canonical, Ubuntu, 22.04 LTS, ...[read more](#)
ami-0287a05f0ef0e9d9a

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 8 GiB

ⓘ **Free tier:** In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per

Cancel

Launch instance

[Review commands](#)

8. Rename the 3 instances to identify them uniquely.

Instances (3) Info								
<input type="text" value="Find Instance by attribute or tag (case-sensitive)"/>								
<input type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
<input type="checkbox"/>	VM-3	i-0e4a5146bb4ef8e68	Running	t2.micro	Initializing	No alarms +	ap-south-1a	ec2-43-204-19-8
<input type="checkbox"/>	VM-2	i-0d62a2f82e1869882	Running	t2.micro	Initializing	No alarms +	ap-south-1a	ec2-65-2-129-27
<input type="checkbox"/>	VM-1	i-00ca246df1a0f9bb9	Running	t2.micro	Initializing	No alarms +	ap-south-1a	ec2-3-110-87-14

9. Connect one instance and fire the command “sudo apt update -y && sudo wget https://inspector-agent.amazonaws.com/linux/latest/install && sudo bash install”. Repeat the same for the other 2 instances.

```
System information as of Thu Nov 23 13:02:54 UTC 2023

System load: 0.47265625      Processes:           100
Usage of /: 20.5% of 7.57GB   Users logged in:     0
Memory usage: 22%            IPv4 address for eth0: 172.31.39.228
Swap usage: 0%

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

The list of available updates is more than a week old.
To check for new updates run: sudo apt update

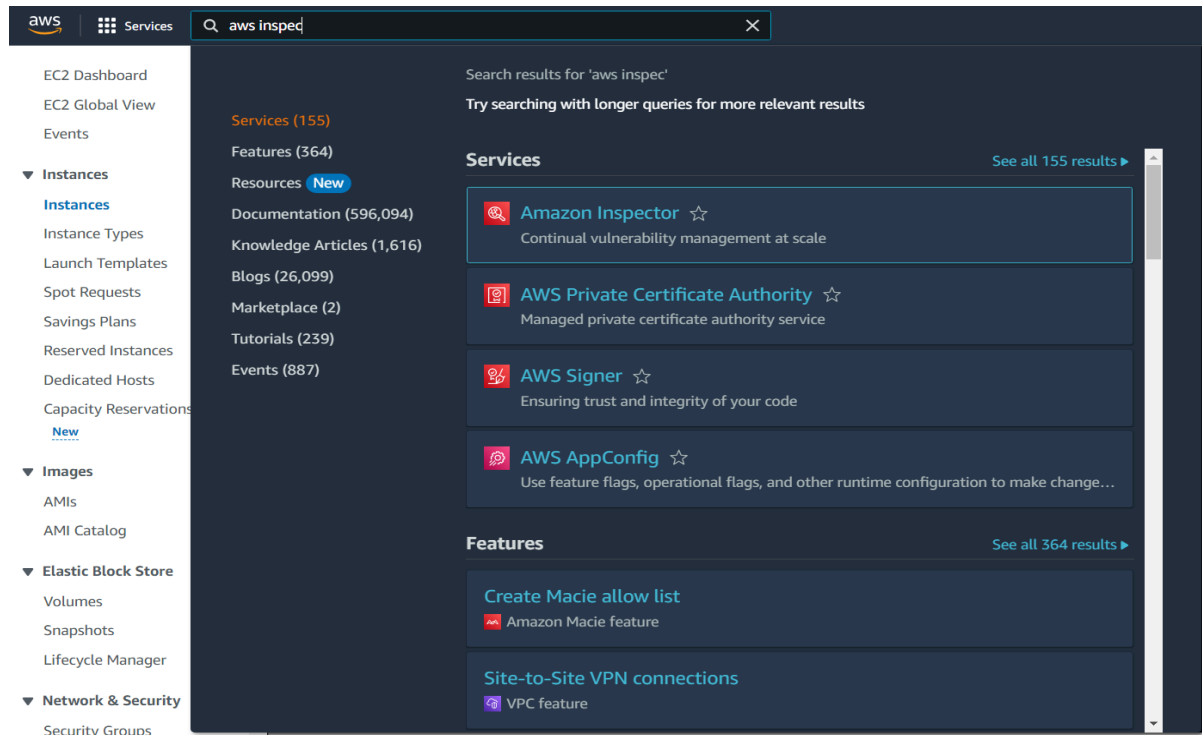
The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@ip-172-31-39-228:~$ sudo apt update -y && sudo wget https://inspector-agent.amazonaws.com/linux/latest/install && sudo bash install
```

10. Now search for Amazon Inspector and click on it.



11. Click on the side menu icon and click on “Switch to Inspector Classic”.



12. Create an assessment target, give a name to it, Check to “include all EC2 instances in this AWS account and region” and then click “Save” below.

[Dashboard](#)
Assessment targets
[Assessment templates](#)
[Assessment runs](#)
[Findings](#)
[Switch to Inspector V2](#)

Introducing the new Amazon Inspector

The new Amazon Inspector is a completely rearchitected version of the existing Inspector Classic. The new Inspector is an automated vulnerability management service that continually scans your EC2 and Container workloads for software vulnerabilities and unintended network exposure. [Learn more](#) [Start your free trial](#)

Amazon Inspector - Assessment Targets

An assessment target represents a collection of AWS resources that help you accomplish your business goals. [Learn more.](#)

[Create](#) [Edit](#) [Delete](#) Last updated on November 23, 2023 6:43:16 PM (0m ago)

Viewing 1-2 of

<input type="checkbox"/>	Name	Tags	Templates
<input type="checkbox"/>	Assessment Target -		

Name*

All Instances ☒ Include all EC2 instances in this AWS account and region.
Note: The limit on the maximum number of agents that can be included in an assessment run applies. [Learn more](#)

Install Agents ☒ Install the Amazon Inspector Agent on all EC2 instances in this assessment target.
To use this option, make sure that your EC2 instances have the SSM Agent installed and an IAM role that allows Run Command. [Learn more](#)

13. Then open the target by clicking on dropdown and click on “Install Agents with Run Command”.

☐ ▼ ATarget 0

Assessment Target - ATarget

Name ATarget

All Instances ☒ Include all EC2 instances in this AWS account and region.
Note: The limit on the maximum number of agents that can be included in an assessment run applies. [Learn more](#)

[Edit](#) [Preview Target](#) [Install Agents with Run Command](#)

14. Create an Assessment Template, give a name, select the target, select rules packages as “Common Vulnerabilities and Exposures-1.1”, set the Duration to 15 Minutes and then click on save.

Assessment Template - ATemplate

Name*

ATemplate

Target name*

ATarget

Rules packages*

Common Vulnerabilities and Exposures-1.1

Select an Inspector rules package

Duration*

15 Minutes

15. Now select the template and click on run and then wait for 15 minutes.

CreateRunDeleteCloneCreate Assessment Events

Last updated on November 23, 2023 6:45:21 PM (1m ago)

Filter1 selectedViewing 1-2 of 2

	Name	Duration	Target name	Last run	All runs
<input checked="" type="checkbox"/>	▶ ATemplate	N/A	ATarget		
<input type="checkbox"/>	▶ Assessment-Template-Default-All-Rules	1 Hour	Assessment-Target-All-Instances-All-Rules	none	0

16. After the set duration, in the Assessment runs, the report gets ready. Click on Download report

FilterViewing 1-1 of 1

	Start time	Status	Template name	Findings	Findings by sever...	Exclusions	Reports
<input type="checkbox"/>	▶ Today at 6:46 PM (...)	Analysis complete	ATemplate	12	High Medium Lo...	0	Download report

17. The pdf report will be opened in a new tab

