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Email: techdoc@fortinet.com



October 25, 2022 Fortilsolator 2.4.0 AWS Deployment Guide 51-240-809800-20221025

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Change log

Date	Change Description
2022-10-25	Initial version of document.

About Fortilsolator VM on AWS

This document provides information about deploying a Fortilsolator VM in the Amazon Web Services (AWS) environment. This includes how to configure the virtual hardware settings of the virtual appliance. This guide presumes that the reader has a thorough understanding of virtualization servers.

This document does not cover configuration and operation of the virtual appliance after it has been successfully installed and started. For that information, see the Fortilsolator Administration Guide.

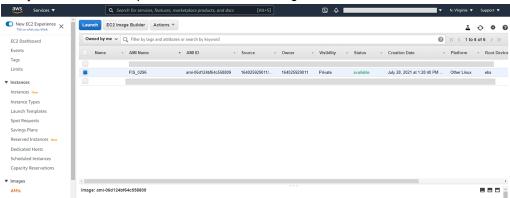
Deploying Fortilsolator on AWS

The deployment of Fortilsolator on AWS includes three steps:

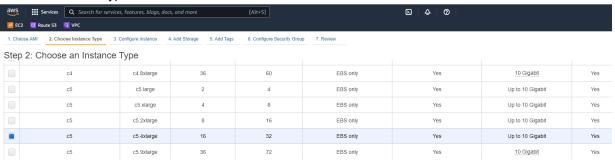
- · Step 1: Install Fortilsolator on AWS
- · Step 2: Accessing to Fortilsolator CLI via Ubuntu
- · Step 3: Browsing sites through Fortilsolator

Step 1: Install Fortilsolator on AWS

1. Verify the file has been uploaded in AWS: EC2 > Images > AMIs.



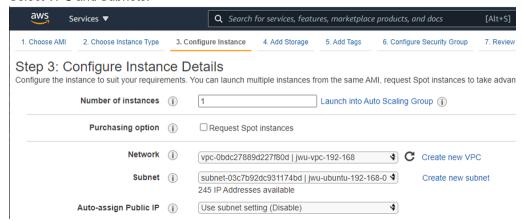
- 2. Create instance from the file.
 - Select an instance type:





Fortilsolator High Availabilities (HA) have to run on AWS Instances that are built on the Nitro System.

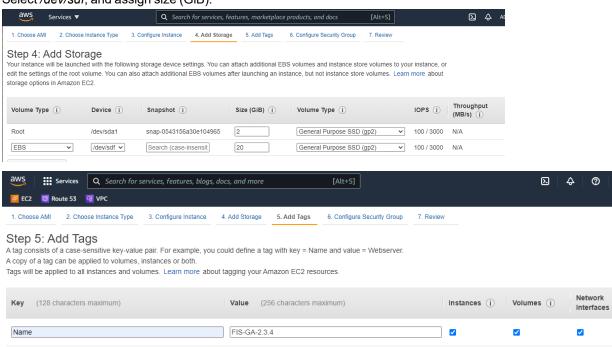
· Select VPC and Subnets:



· Verify network interface, and click Next: Add Storage:

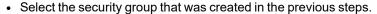


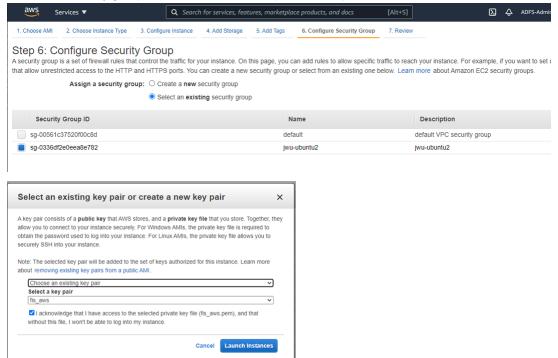
Select /dev/sdf, and assign size (GiB):



Add another tag

(Up to 50 tags maximum)





After clicking *Launch Instance*, stop the process, and go add another three interfaces. Make sure Fortilsolator has four interfaces:

Internal Interface: 192.168.0.0/24
External Interface: 192.168.2.0/24
Management Interface: 192.168.1.0/24

HA Interface: 192.168.3.0/24
Verify the interfaces are in this order.

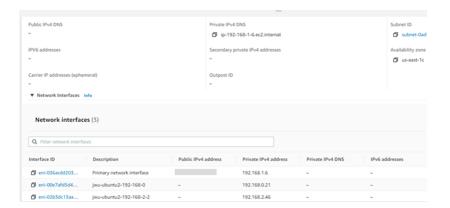


Settings the third interface as 192.168.1.0/24 subnet allows you to access default management IP 192.168.1.99.

Step 2: Accessing Fortilsolator CLI via Ubuntu

Pre-requisites

- · You need an Ubuntu in AWS that has same subnets as Fortilsolator
- You need an associated EIP as the public IP to the Ubuntu on 192.168.1.0/24 subnet.



1. Connect to Ubuntu:

```
> ssh -i "fis aws.pem" ubuntu@public ip(EIP)
```

2. From Ubuntu SSH to FIS via Mgmt Interface pre-defined IP (192.168.1.99).

```
> ssh admin@192.168.1.99
```

3. Set Internal IP:

```
> set internal-ip 192.168.0.99/24
```

4. Set DNS:

```
> set dns 192.168.0.2 192.168.0.2
```

5. Set IP Mapping on FIS to public IP:

```
> set fis-ipmap 443 443 public ip
```

6. Overview:

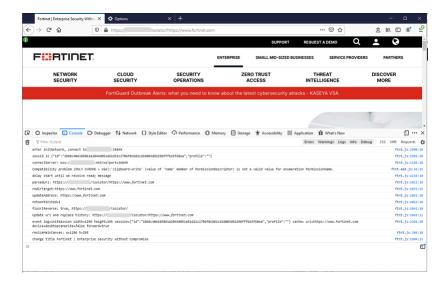
e.g.

```
> set internal-ip 192.168.0.99/24
> set internal-gw 0.0.0.0/0 192.168.0.2
> set dns 192.168.0.2
> set fis-ipmap 443 443 public ip
```

Step 3: Browsing sites through Fortilsolator

IP Forwarding:

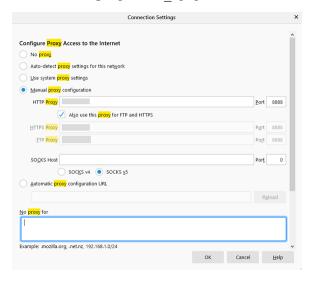
https://<public_ip>/isolator/https://www.fortinet.com/

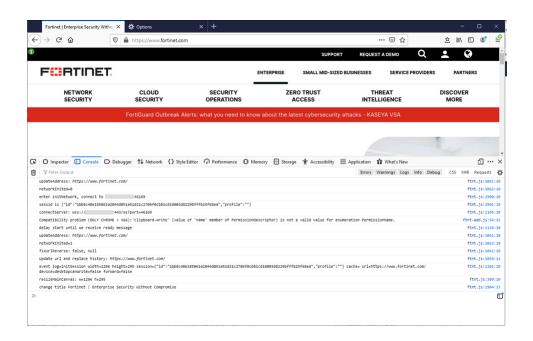


Proxy:

Browser Setting:

> HTTP Proxy: public_ip port 8888







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