40Cloud Installation Guide

Installing 40Cloud Gateways Using AWS Billed AMIs

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Introduction

40Cloud's Cloud Network Firewall is a comprehensive security solution for AWS that is delivered in a SaaS model. The Cloud Network Firewall enhances AWS native security capabilities by adding important components such as user-VPN, Network Access policies, 2-factor authentication, multi-region connectivity and firewall policy orchestration as well as IDS and SIEM integration. It is also fully integrated with the AWS platform, providing automation of security and networking tasks (e.g. Security Groups, VPC routing), automatically detecting new resources and updating security rules accordingly.

The foundations of the 40Cloud solution are the Gateways. A Gateway is a software appliance providing firewall, virtual router, VPN gateway and Network Access control point in a single entity. A Gateway is installed as an AMI, typically one per AWS VPC and provides the entry point firewall for this VPC. Gateways can connect to other Gateways or other 3rd party IPSec devices to form a virtual private network over any number of regions and Enterprise sites.

The following guide provides a step by step manual for installing 40Cloud Gateways using hourly billed AMIs.
For any question please email service@40Cloud.com
Installing your first 40Cloud Gateway

40Cloud uses your AWS account ID as a unique identifier in the 40Cloud system. If you have already launched a 40Cloud Gateway with the same AWS account ID, please proceed to Installing additional 40Cloud Gateways.

→ To install the Gateway:

Step A1: Launch the 40Cloud Gateway instance in your VPC using the AMI.
Step A2: SSH to the newly launched Gateway instance (“ssh -i <pem key> ubuntu@<IP of Instance>”) and execute the following command: “sudo fccli register”

As a response you’ll receive a URL, as shown below.

Step A3: Following this URL (using your web browser) will lead you to the following short HTML form.
Successfully submitting the form will allow you to access the 40Cloud Web Admin Console that is used for configuring and monitoring your Gateways, network entities, VPN users, firewall policies and more. It will also allow the 40Cloud system to associate additional Gateways to your account. Remember the username and password as they are your credentials to the 40Cloud Web Admin Console

After successfully submitting the form you'll be redirected to a login screen (see below). Use your username and password to login.

In a couple of minutes, your new 40Cloud Gateway will be automatically registered and appear on the Web Admin Console **Dashboard** (as shown below)

You can now proceed with the Gateway configuration. ‘How to’ tutorials are available via the Support Center link located on the top right corner (pointed by the red arrow in the screenshot above).
Installing additional 40Cloud Gateways

If you've previously installed your first Gateway, launching your next 40Cloud Gateways is even easier. Note that the new Gateway icon will appear on the Dashboard exactly in the same location as the previous one. Click on the Gateway icon and drag it a bit left or right so you'll be able to see the new Gateway icon when it appears.

→ To install the Gateway:

Step B1: Launch the 40Cloud Gateway instance in your VPC using the AMI.
Step B2: SSH to the newly launched Gateway instance (“ssh -i <pem key> ubuntu@<IP of Instance>”) and execute the following command: “sudo fccli register”. Because your AWS account id is already activated in the 40Cloud system, the above command will automatically trigger a new Gateway registration request (no need to fill in the HTML form again).

Step B3: Log in to the 40Cloud Web Admin Console using the credentials you specified in step A3 above. When you log in, you will see the new Gateway icon waiting for approval (circled in yellow in the screen shot above).
Right click on the Gateway icon, select ‘Approve Request’ and then confirm approval.

A success message should appear (see below)
A few minutes after approving the registration, your new 40Cloud Gateway will be automatically registered, and will appear on the Dashboard.

Preserving configuration when migrating between AWS instance types

The Gateway configuration can persist when migrating between different instance types. Follow these steps:

→ To change the instance type:

1. Stop your running 40Cloud Gateway instance
2. Click on “Actions” button and choose “Change Instance Type” under “Instance Settings”
3. Choose the desired instance type and click “Apply”

![Change Instance Type](change_instance_type.png)

4. Start the instance, by selecting “Start” in the “Instance State” menu.

![Instance State](instance_state.png)

**Support**

‘How to’ tutorials and videos are available through the ‘Support Center’ tab located at the upper right corner of the Web Console.

Support tickets can be submitted through the Support Center. Technical questions can be also submitted via email to service@40Cloud.com. 40Cloud’s standard tech-support hours are Mon-Fri 9am-5pm ET.