

Nasuni Filer for Customer-Provided Cloud

Getting Started Guide for EMC ViPR and EMC ECS

Welcome!

Welcome to the Nasuni family of clients. The Nasuni Filer is your connection to Nasuni's services, giving you a single point of control to manage your storage in your EMC ViPR or EMC ECS cloud. Nasuni enables you to absorb data growth, reduce headaches due to backups, and experience the security of offsite replication.

Enjoy powerful data storage and global multi-site access to files — simplified!

Documentation is at: <http://www.nasuni.com/support/documentation>

Downloading software for Nasuni Filer and Nasuni Management Console

To download software for Nasuni Filer and Nasuni Management Console (NMC):

1. Go to the Nasuni evaluation Web site at <http://www.nasuni.com/partner/emc>.
2. Click **Start an Evaluation**. Enter contact information and click **Submit**.
3. After you receive email verification from Nasuni, download the installation software by logging in to your Nasuni account Web site (<https://account.nasuni.com/>) and clicking **Downloads**.

Installing the Nasuni Filer

Note: Confirm with Nasuni Sales or Support that your Nasuni account is configured to work with your existing EMC ViPR or EMC ECS account.

To install the Nasuni Filer virtual appliance:

1. Unzip the Nasuni Filer installation file.
2. Install the Nasuni Filer virtual appliance. See [Installing the Nasuni Filer on Virtual Platforms](#) for details.
3. On the console screen, determine or set the IP address of the Nasuni Filer in one of the following ways:
 - If DHCP is available on the network, make note of the IP address that appears.
 - Otherwise, press `Enter`. Use the username: `service` and the password: `service`. Enter `editnetwork`. Enter `setall static`. Follow prompts to enter network parameters. Enter `save`.
4. Record the IP address on the console screen in order to access the Nasuni Filer user interface.

Configuring EMC ViPR or EMC ECS credentials

Note: Port 443 (HTTPS) must be open between the Nasuni Filer and the ViPR or ECS Data Service's access point. The ViPR or ECS Data Service access point redirects all incoming traffic from port 443 to port 9021 on the data service nodes that it is load-balancing.

Tip: With EMC ViPR/ECS, you can obtain the Secret Access Key on the ViPR or ECS portal by clicking the username in the upper right corner and selecting **Manage Data Store Keys** from the drop-down menu.

To configure EMC ViPR or EMC ECS credentials:

1. To use the Nasuni Filer, open a Web browser and enter the IP address you recorded using this command:
`https://<IP address>:8443`
The Nasuni Filer user interface appears.

Alternatively, open the Nasuni Management Console (NMC).

2. Click **Configuration** (on NMC, click **Account**), then select **Cloud Credentials** from the menu. Click **Add EMC ViPR Credentials**. Enter the credentials for EMC ViPR or ECS, including the following:
 - **Name:** A name for this set of credentials, which is used for display purposes.
 - **Access Key ID:** The user name recognized by the EMC ViPR or ECS system for this set of credentials.
 - **Secret Access Key:** The object data store key from the EMC ViPR/ECS UI for this set of credentials.
 - **Hostname:** The hostname for the location of the cloud service provider.
Path-Based Addressing should be used with ViPR/ECS. If using a namespace, add to the end of the path:
`vipr1.yourco.com/mynamespace`
 - **Verify SSL Certificates:** Use the appropriate verification setting for your EMC ViPR or EMC ECS system.
 - **Filers** (on NMC): The target Nasuni Filers.

At this point, you can begin adding volumes to the Nasuni Filer.

Note: If you change EMC ViPR or EMC ECS credentials, update them on the Nasuni Filer or NMC, to retain access to data.

Note: If you install more than one data virtual machine, you must configure a load balancer. The outward facing ports are as configured on the load balancer.

Troubleshooting Tips

If the Nasuni Filer virtual appliance does not display the IP address of the Web-based interface within 10 minutes after being powered on, then shut down the Nasuni Filer virtual appliance. After powering the Nasuni Filer virtual appliance back on, press `ESC` when the Nasuni screen appears at startup in order to observe the boot sequence. If the boot sequence does not end on a screen displaying the IP address of the Web-based user interface, then record any errors that appear on the console and contact Nasuni Technical Support at 888.662.7864.

Tip: If directed by Nasuni Customer Support, to enable or disable Nasuni's compression and deduplication, or to adjust the chunk size, select the volume from the **Volumes** list (Filer) or select **Cloud I/O** from the **Volumes** page (NMC), then edit settings.

Additional Guidelines for Nasuni Filer and Nasuni Management Console

- Be careful changing existing credentials on Nasuni. The connection between the Nasuni Filer and the bucket could become invalid, causing loss of data access. Credential editing is to update access for account name or access key changes on the EMC ViPR or EMC ECS system.

We're Here for You

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