

Nasuni Management Console Quick Start Guide

This document outlines the steps necessary to install and use the Nasuni Management Console (NMC). If you need help, contact Nasuni Technical Support (support@nasuni.com). All documentation is at www.nasuni.com/support/documentation.

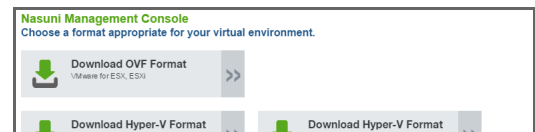
Setting up the Nasuni Management Console

Note: There is only one Nasuni Management Console for each account.

Note: The Nasuni Management Console requires 16 GB disk space and 6 GiB memory.

1. Download and install the Nasuni Management Console software using these steps:

- a. Log in to your Nasuni account at <https://account.nasuni.com/account/>. Click **Downloads**.



- b. Select the best format for your virtual environment:

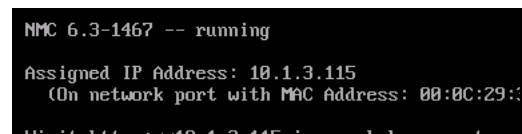
- **OVF FORMAT:** Appropriate for VMware ESXi 5.5 and above environments.
- **HYPER-V FORMAT:** Appropriate for Windows Server Hyper-V environments.

Note: There are two versions of the Microsoft Hyper-V software available: 2012 and pre-2012 (2008 R2 SP1). Select the appropriate version for your Hyper-V environment.

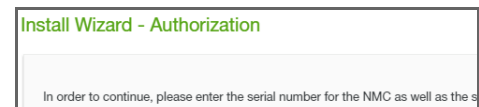
- c. Download and unzip the Nasuni Management Console software .zip file on your local drive.
- d. Install the Nasuni Management Console into your virtual environment, then **Start** or **Power On** the virtual machine. The Nasuni Management Console installation screen appears.



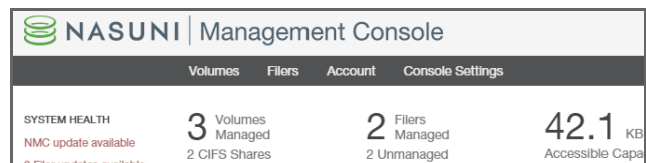
2. After a few moments, the Nasuni Management Console console screen appears. Note the initial IP address.
3. Use the initial IP address with a Web browser: `https://<IP address>`



4. Follow the steps of the Install Wizard, including entering the NMC Serial Number and Authorization Code. The Serial Number and Authorization Code are found at <https://account.nasuni.com/account/>. Click **Serial Numbers**.



5. When the Install Wizard finishes, the NMC **Home** page appears.



6. You can now place Nasuni Filers under the management of the Nasuni Management Console. See [“Placing Nasuni Filers under Management of Nasuni Management Console”](#) on page 3.

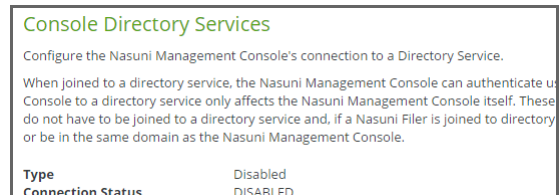


Configuring the Nasuni Management Console

Joining Active Directory or LDAP Directory Services

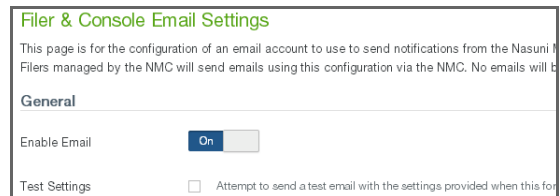
To join an Active Directory or LDAP domain, click **Console Settings**, then select **Directory Services**.

Important: You cannot enable both Active Directory and LDAP Directory Services for a Nasuni Filer.



Configuring Email Settings

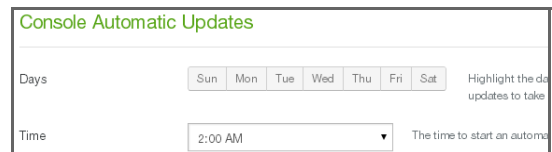
To receive alerts by email, click **Console Settings**, then select **Email Settings**. Nasuni highly recommends receiving alerts by email.



Configuring Automatic Software Updates

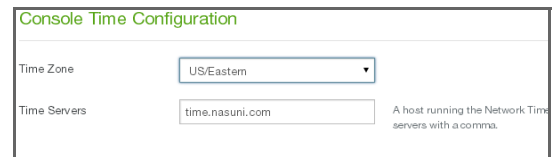
To configure when to install Nasuni Management Console software updates, click **Console Settings**, then select **Automatic Updates**.

When the Nasuni Management Console updates its software, there is no interruption to data access on a Nasuni Filer.



Configuring Time Zone and Time Server

Click **Console Settings**, then select **Time Configuration**.



Configuring Encryption Keys

The Nasuni Management Console uses encryption keys to protect its backup information. Click **Console Settings**, then select **Encryption Keys** from the list.

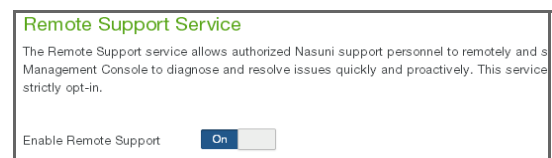
If using generated encryption keys, download and protect encryption keys, in case you need them for disaster recovery.



Configuring Remote Support Service

The opt-in Remote Support Service allows authorized Nasuni Technical Support personnel to remotely and securely diagnose and resolve issues.

For Nasuni Management Console, click **Console Settings**, then select **Remote Support**.

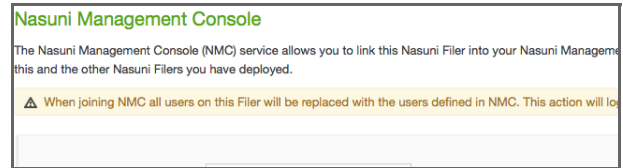




Placing Nasuni Filers under Management of Nasuni Management Console

On the Nasuni Filer, click **Services**, then select **Nasuni Management Console** from the list. Select **enabled**.

It can take 10-15 minutes for the Nasuni Filer to appear in the NMC user interface.



Configuring Nasuni Filers using NMC

Configuring Encryption Keys

Click **Filers**, then select **Encryption Keys** from the list.

If using generated encryption keys, download and protect encryption keys, in case you need them for disaster recovery.

NAME	FILER	ESCROWED BY
Axioma Fingerprint: D6FEB06DA3B6DE52207254B1065BD9105D2303CC Algorithm: RSA, Length: 2048, Key ID: 5D2303CC	gold	No
Axioma Fingerprint: D6FEB06DA3B6DE52207254B1065BD9105D2303CC Algorithm: RSA, Length: 2048, Key ID: 5D2303CC	silver	No

Configuring Nasuni Filer Quality of Service rules

“Quality of Service” is the inbound and outbound bandwidth limit for moving data to and from the Nasuni Filer. Click **Filers**, then select **Quality of Service**.

DESCRIPTION	DAYS	TIME	OUTBOUND LIMIT	INBOUND LIMIT
<input type="checkbox"/> filer1a	Every day	All day	2 MBits/s	Unlimited
<input type="checkbox"/> filer2a	Every day	All day	2 MBits/s	Unlimited
<input type="checkbox"/> filer3a	Every day	All day	2 MBits/s	Unlimited

Configuring Automatic Software Updates

To configure when to install Nasuni Filer software updates, click **Filers**, then select **Automatic Updates**.

DESCRIPTION	DAYS	HOUR
<input type="checkbox"/> es55up60-1x	Sun, Mon, Tue, Wed, Thu, Fri, Sat	2:00 AM
<input type="checkbox"/> es60-2x	Sun, Mon, Tue, Wed, Thu, Fri, Sat	2:00 AM

Configuring Time Zone and Time Server

Click **Filers**, then select **Time Configuration**.

DESCRIPTION	TIME ZONE	NTP SERVERS
<input type="checkbox"/> filer1a	US/Eastern	time.nasuni.com
<input type="checkbox"/> filer2a	US/Eastern	time.nasuni.com
<input type="checkbox"/> filer3a	US/Eastern	time.nasuni.com

Configuring Remote Support Service

The opt-in Remote Support Service allows authorized Nasuni Technical Support personnel to remotely and securely diagnose and resolve issues.

On Nasuni Filers, click **Filers**, then select **Remote Support**.

FILER	REMOTE SUPPORT SERVICE	TIMEOUT	NASUNI
<input type="checkbox"/> gold	Currently Enabled	25m	No
<input type="checkbox"/> silver	Currently Disabled	--	--

Configuring Volumes, Shares, Exports, and FTP Directories

Configuring Encryption Keys

Click **Volumes**, then select **Encryption Keys** from the list.

Volume Encryption Keys			
NAME	FILER	ENCRYPTION KEYS	ACTIONS
files	filer1a	files Fingerprint: 3978EAA85CD52F6797A67EAB06358A55AA35B CB B State: Enabled	

Creating a volume

Click **Volumes**, then click **Create Volume**.

Enabling multiple protocols for volume

Click **Volumes**, then click **Protocols**. For selected volume, click **Edit**.

Creating a CIFS share

Click **Volumes**, then click **Shares**, then click **Create Share**. Select a volume with CIFS protocol enabled from the list.

Create Share

Filer:

Volume:

Creating an NFS export

Click **Volumes**, then click **Create Export**. Select a volume with NFS protocol enabled from the list.

Create Export

Filer:

Volume:

Creating an FTP directory

Click **Volumes**, then click **Create FTP Directory**. Select a volume that has the FTP protocol enabled.

Sharing data using Remote Access

First, enable Remote Access on the source volume: click **Volumes**, then click **Remote Access**. Select the source volume from the list. Click **Edit Volumes**.

Volume Remote Access Setting						
<input type="checkbox"/>	NAME	FILER	PROTOCOL	SECURITY MODE	PERMISSIONS	ENABLED
<input type="checkbox"/>	files	filer1a	CIFS	public	Read/Write	Enabled

Volumes without a snapshot can not be configured for Remote Access.

Next, connect the destination Nasuni Filer to the source volume: click **Volumes**, then select **Connect Volume**. Select the source volume to connect to. A local volume with the same name as the source volume is created on the destination Nasuni Filer.

Connect/Disconnect Volume

Warning: Deselecting a volume will cause the volume to be disconnected and all shares will be deleted.

Filers:

- eng159
- eng180
- eng211
- eng25

Monitoring automated data migration

Click **Filers**, then select either **Migrations**, **Migration Sources**, or **Migration Schedules** to see information.

Migration Sources			
PROTOCOL	SERVER	SHARE/PATH	STATUS
CIFS	10.1.2.23	files	Connected

Mobile device access (iOS and Android devices)

To enable, click **Filers**, select the Nasuni Filers from the list, then click **Mobile Settings**. The **Mobile Service Settings** page appears.

FILER	ADDITIONAL MOBILE API PORT	SESSION EXPIRATION	LIMIT TO A SINGLE DEVICE	ALLOW
filer1a	--	Unlimited	No	Andro

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