

NAS 269

Introduction to Mail Server

Configure Mail Server
on Your ASUSTOR NAS

ASUSTOR COLLEGE

COURSE OBJECTIVES

Upon completion of this course you should be able to:

1. Send and receive mail using Mail Server on your ASUSTOR NAS

PREREQUISITES

Course Prerequisites :

None

Students are expected to have a working knowledge of:

Mail servers and domain names

OUTLINE

1. Introduction to Mail Server

2. Configuring Your NAS

2.1 Signing up for an email domain name

2.2 Enabling DDNS service

2.3 Installing Mail Server

2.4 Configuring port forwarding for Mail Server

3. Configuring Mail Server

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3.1.1 Adding multiple SMTP domain names

3.1.2 Sending email via a third party SMTP relay server

3.2 Enabling and configuring IMAP/POP3

3.3 Security

3.3.1 Spam filter

3.3.2 Configuring the black and white list for Mail Server

3.3.3 Antivirus

3.4 Configuring Mail Server aliases

3.5 Queue

3.6 Mail Log

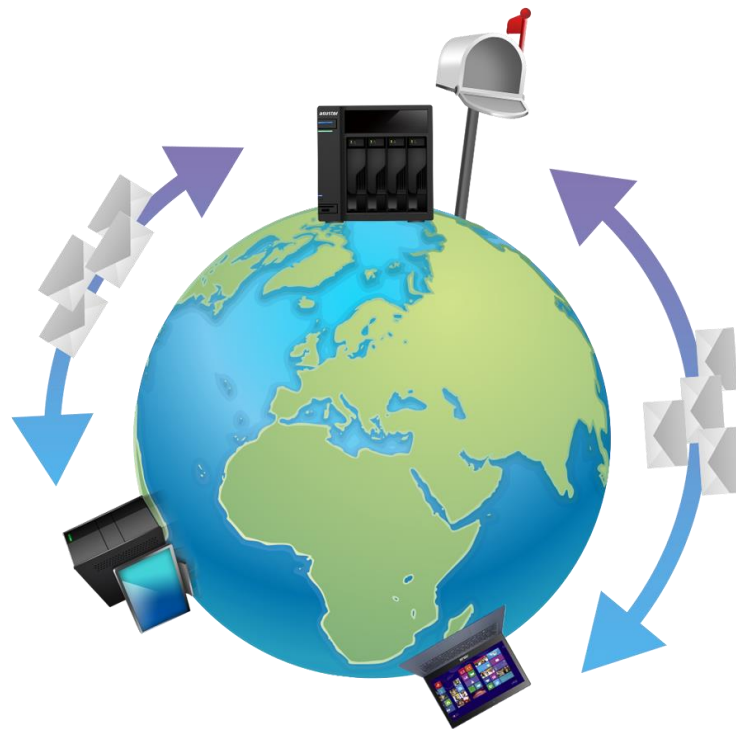
3.7 Backing up your email

3.8 Configuring personalized settings in Mail Server

4. Using Thunderbird to Send and Receive Mail

1. Introduction to Mail Server

Installing ASUSTOR's Mail Server can allow your ASUSTOR NAS to become Mail Server that supports SMTP, IMAP and POP3 protocols and is able to send and receive Email. You can centralize management of accounts, backup emails, provide personalized settings such as automatic forwarding and automatic responses. Additionally, you can also use software such as Thunderbird or Outlook to send, receive and manage your mail.



2. Configuring Your NAS

2.1 Signing up for an email domain name

STEP 1

- ✓ In the example below we sign up for a dedicated domain name with no-ip.com and then add a hostname (asustorwoody.ddns.net).
- ✓ Set the IP address as the NAS's WAN IP (example: 36.226.187.21). From the ADM desktop, you can select [Settings] → [Ease of Access] → [DDNS] → [Network Status] to find your NAS's current WAN IP.

Add a host

Fill out the following fields to configure your host. After you are done click 'Create Host' to add your host.

➤ Own a domain name?

Use your own domain name with our DNS system. [Add](#) or [Register](#) your domain name now or read more for pricing and features.

Hostname Information

Hostname:

asustorwoody

ddns.net

Host Type:

☒ DNS Host (A)

☐ DNS Host (Round Robin)

☐ DNS Alias (CNAME)

☐ Port 80 Redirect

☐ Web Redirect


☐ AAAA (IPv6)

IP Address:

36.226.187.21

Assign to Group:

- No Group -

 [Configure Groups](#)

Enable Wildcard:

Wildcards are a Plus / Enhanced feature. [Upgrade Now!](#)

➤ Accept Mail for your Domain

Let No-IP do the dirty work. Setup [POP](#) or [forwarding](#) for your name.

Mail Options

MX Record

MX Priority

Enter the name of your external mail exchangers (mx records) as hostnames **not** IP addresses.

5

If you would like a more MX records, please upgrade to [No-IP Plus](#) or [Enhanced](#).

重設

Add Host

STEP 2

- ✓ Enter the domain name that you have signed up for into the MX Record field as shown in the graphic below. After entering your domain name, click on **[Update Host]**.

Mail Options

MX Record	MX Priority
asustorwoody.ddns.net	5

Enter the name of your external mail exchangers (mx records) as hostnames **not** IP addresses.
You can add an SPF record with our [SPF Wizard](#).

If you would like a more MX records, please upgrade to [No-IP Plus](#) or [Enhanced](#).

[重設](#) [Update Host](#)

Note 1: You must sign up for a domain name or be using DDNS service in order for Mail Server to send and receive email.

Note 2: You must create an MX record (mail exchanger record) in your domain name in order for Mail Server to send and receive email.

2.2 Enabling DDNS service

- ✓ Log in to ADM and select **[Settings]** from the desktop.
- ✓ Select **[Ease of Access]** → **[DDNS]**.
- ✓ Select the **[Enable DDNS service]** checkbox.

Settings

Cloud Connect EZ-Router **DDNS**

DDNS

You can create a unique hostname (e.g. mynas.asustor.org) for your NAS by subscribing for DDNS services.

☒ Enable DDNS service

DDNS provider: no-ip.com [Sign up now](#)

Username: woody.asustor@gmail.

Password:

Hostname: asustorwoody.ddns.net

WAN IP checking interval: 30 minutes

Network Status

Current WAN IP: 36.226.197.41

Last checking IP: 36.226.197.41

Last DDNS update: **Success** (2014/11/4 15:55:3)

[Apply](#)

2.3 Installing Mail Server

STEP 1

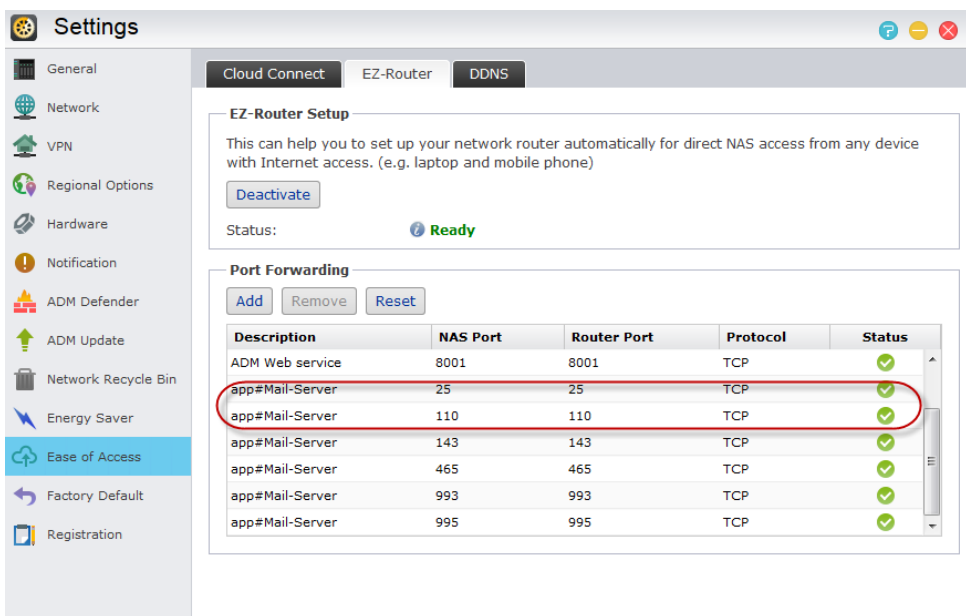
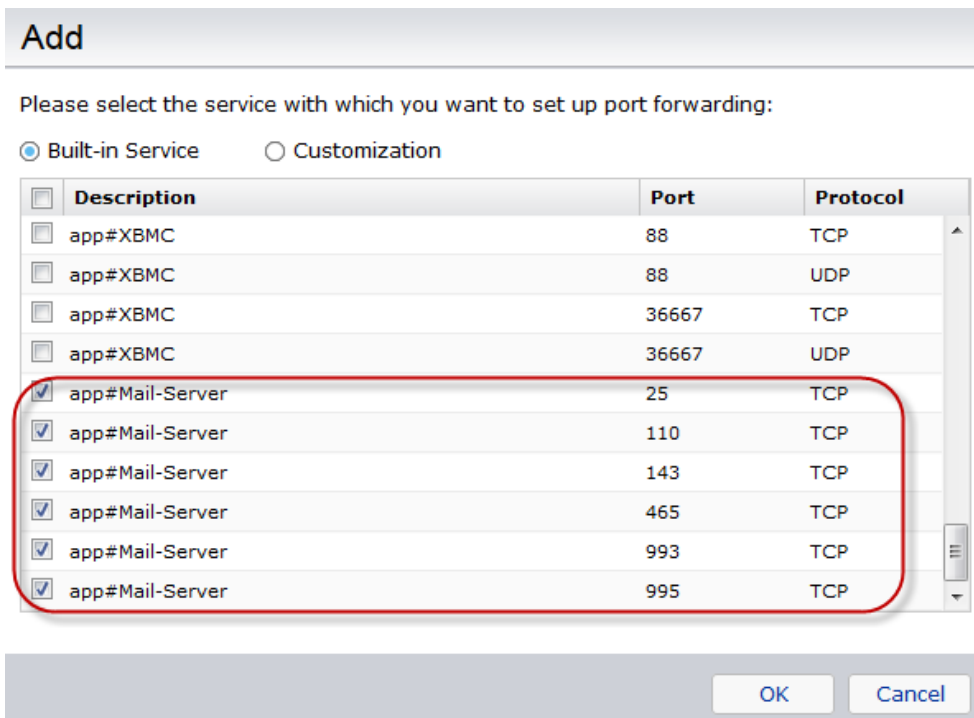
- ✓ Log in to ADM and open **[App Central]**.
- ✓ Select **[ASUSTOR Apps]** → **[Mail Server]** and then click on the install button.



2.4 Configuring port forwarding for Mail Server

STEP 1

- ✓ Select [Settings]→[Ease of Access]→[EZ-Router]→[Port Forwarding]→[Add].
- ✓ Set up port forwarding for the services indicated in the graphic below and then click on [OK].



Note: All Mail Server related ports are listed in the chart below:

Mail Server Service	Default Port Number
SMTP	25
SMTP-SSL	465
POP3	110
POP3s (SSL/TLS)	995
IMAP	143
IMAPs (SSL/TLS)	993

3. Configuring Mail Server

3.1 Enabling and configuring SMTP

STEP 1

- ✓ Select the **[SMTP]** tab and then select the **[Enable SMTP]** checkbox.
- ✓ Enter your domain name (asustormail.ddns.net in our example) and then click on **[Apply]**.

Mail-Server

Overview SMTP IMAP/POP3 Security Alias Queue Mail Log Backup Personal

SMTP

Enable SMTP to send and receive email.

☒ Enable SMTP

☒ Authorization required for mail clients

☒ Ignore authorization for LAN connections

☐ Sender name and login name must be identical

Domain name: +

Port:

Maximum size per email: MB

Maximum size per mail box: MB

☐ Enable SMTP-SSL

Port:

☐ Enable SMTP Relay

Server:

Port:

☐ Enable TLS

☐ Authentication

Account:

Password:

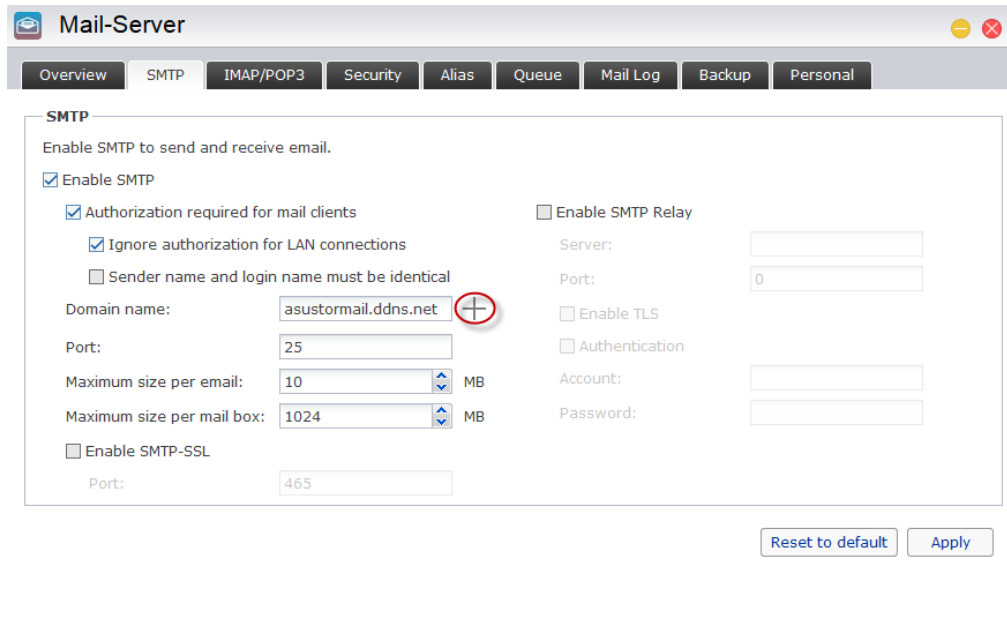
Note 4: The maximum size of a single email item is 50MB.

Note 5: The maximum capacity of a single email account is 100GB.

3.1.1 Adding multiple SMTP domain names

STEP 1

- ✓ Click on the [+] button as shown in the graphic below.

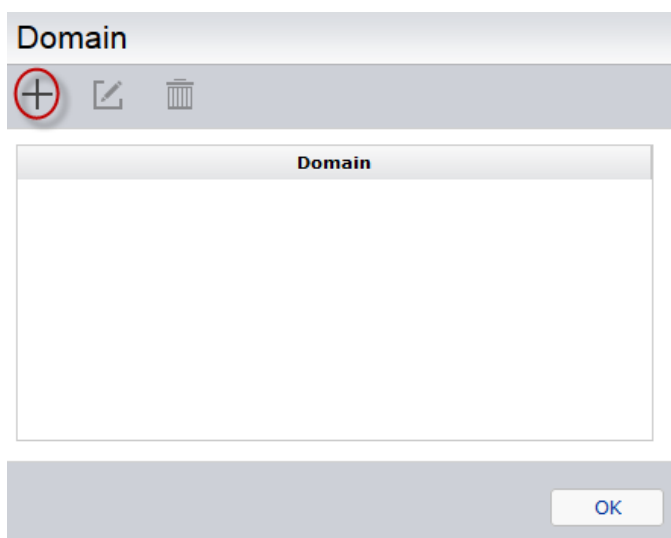


The image shows the 'Mail-Server' configuration window with the 'SMTP' tab selected. The window has a title bar with a minus, maximize, and close button. Below the title bar is a tabbed interface with tabs for Overview, SMTP, IMAP/POP3, Security, Alias, Queue, Mail Log, Backup, and Personal. The 'SMTP' tab is active, showing the following settings:

- Enable SMTP to send and receive email.**
- ☒ Enable SMTP
- ☒ Authorization required for mail clients
 - ☒ Ignore authorization for LAN connections
 - ☐ Sender name and login name must be identical
- Domain name: (A red circle with a '+' sign is around the text input field.)
- Port:
- Maximum size per email: MB
- Maximum size per mail box: MB
- ☐ Enable SMTP-SSL
 - Port:
- ☐ Enable SMTP Relay
 - Server:
 - Port:
 - ☐ Enable TLS
 - ☐ Authentication
 - Account:
 - Password:

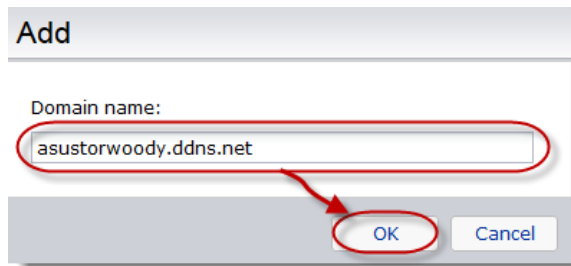
At the bottom right, there are two buttons: 'Reset to default' and 'Apply'.

- ✓ The [Domain] window should now appear. Click on the [+] button.



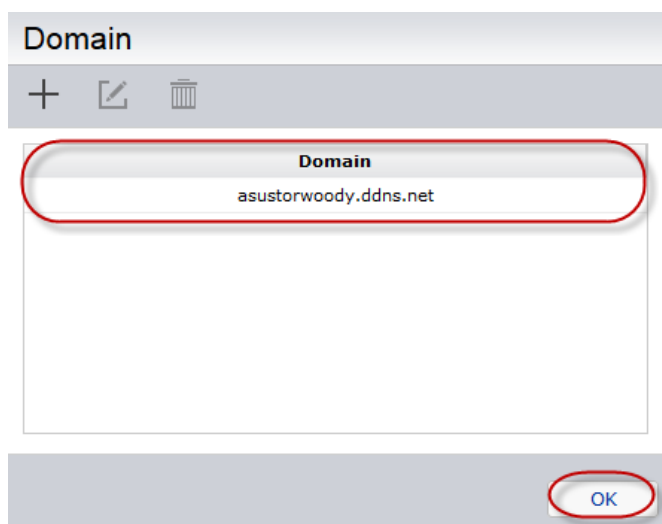
The image shows the 'Domain' management window. It has a title bar with a minus, maximize, and close button. Below the title bar is a toolbar with three icons: a red circle with a '+' sign, a pencil icon, and a trash can icon. The main area is a large empty box with the title 'Domain' at the top. At the bottom right, there is an 'OK' button.

- ✓ Enter your domain name and then click **[OK]**. In our example we enter asustorwoody.ddns.net.



The 'Add' dialog box has a title bar 'Add'. Below it, the label 'Domain name:' is followed by a text input field containing 'asustorwoody.ddns.net'. A red oval highlights the input field, and a red arrow points from it to the 'OK' button, which is also highlighted with a red oval. A 'Cancel' button is located to the right of the 'OK' button.

- ✓ You can now see your newly added domain name in the [Domain] window.
- ✓ Click on **[OK]**.



The 'Domain' window has a title bar 'Domain'. Below the title bar is a toolbar with three icons: a plus sign, a pencil, and a trash can. The main area contains a table with one row. The table has a header row with the title 'Domain' and a data row with the value 'asustorwoody.ddns.net'. A red oval highlights the data row. At the bottom right of the window, there is an 'OK' button highlighted with a red oval.

3.1.2 Sending email via a third party SMTP relay server

Most Internet service providers will block or return email sent from unknown domains. If you cannot send email from your domain, you must send email via other SMTP servers.

STEP 1

- ✓ Select the **[Enable SMTP Relay]** checkbox and then fill in the required fields.
- ✓ Click on **[Apply]** once you are done.

Mail-Server

Overview SMTP IMAP/POP3 Security Alias Queue Mail Log Backup Personal

SMTP

Enable SMTP to send and receive email.

☒ Enable SMTP

☒ Authorization required for mail clients

☒ Ignore authorization for LAN connections

☐ Sender name and login name must be identical

Domain name:

Port:

Maximum size per email: MB

Maximum size per mail box: MB

☐ Enable SMTP-SSL

Port:

☒ Enable SMTP Relay

Server:

Port:

☒ Enable TLS

☒ Authentication

Account:

Password:

Changes applied.

Reset to default Apply

3.2 Enabling and configuring IMAP/POP3

- ✓ You can enable [POP3], [POP3 (SSL/TLS)], [IMAP] or [IMAPs (SSL/TLS)] to keep all your emails on the mail server or download them to your own email software (e.g., Thunderbird, etc.)

Mail-Server

Overview SMTP IMAP/POP3 Security Alias Queue Mail Log Backup Personal

IMAP/POP3

You can enable the following protocols to receive emails and keep all your emails on the mail server.

☒ Enable POP3

☒ Enable POP3s (SSL/TLS)

☒ Enable IMAP

☒ Enable IMAPs (SSL/TLS)

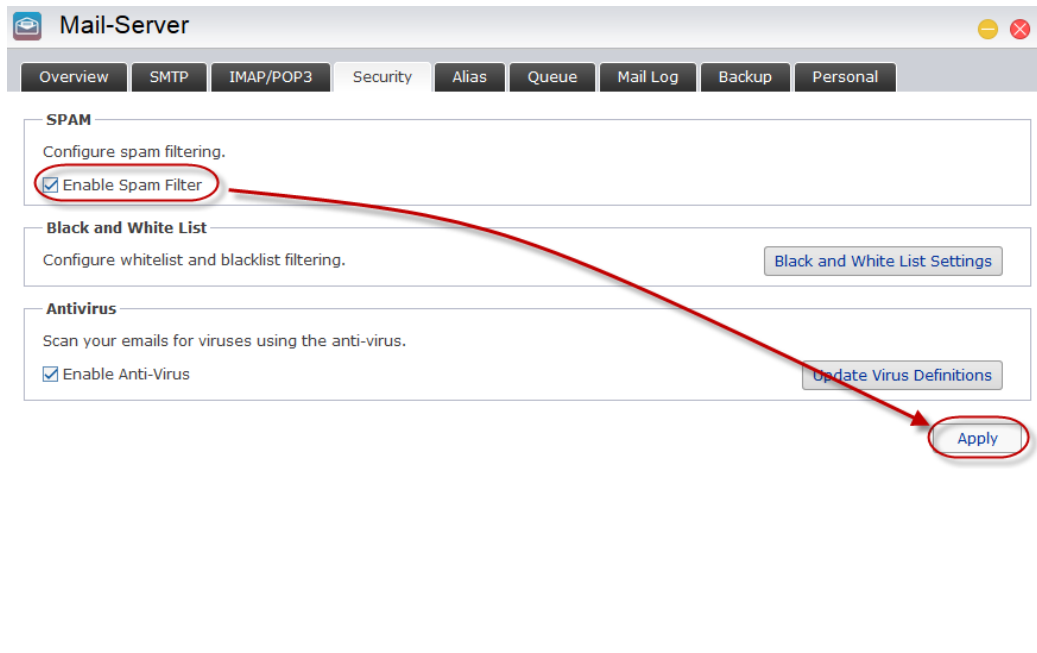
Reset to default Apply

3.3 Security

3.3.1 Spam filter

STEP 1

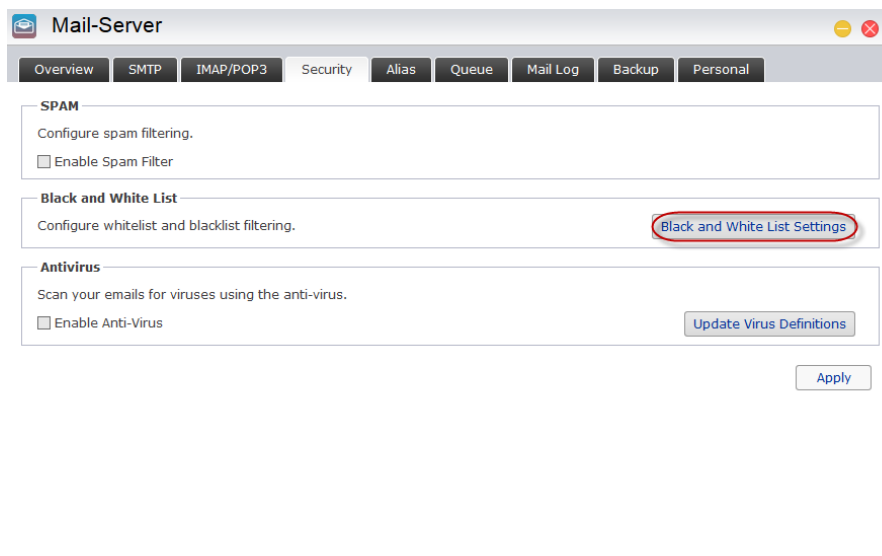
- ✓ To enable the spam filter, select the **[Security]** tab and then select the **[Enable Spam Filter]** checkbox. Click on **[Apply]** once you are done.



3.3.2 Configuring the black and white list for Mail Server

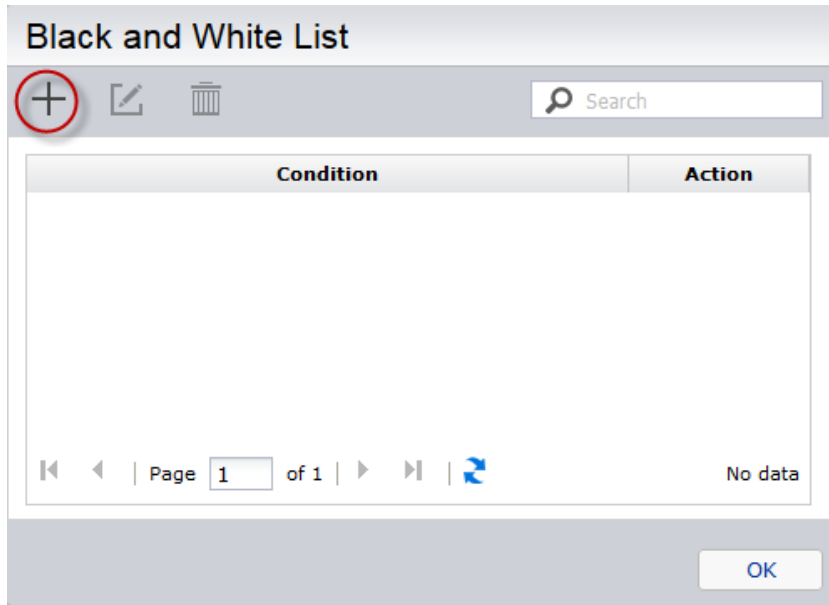
STEP 1

- ✓ Under the **[Security]** tab, click on the **[Black and White List Settings]** button.



STEP 2

- ✓ Click on the [+] button to add to the Black and White List.

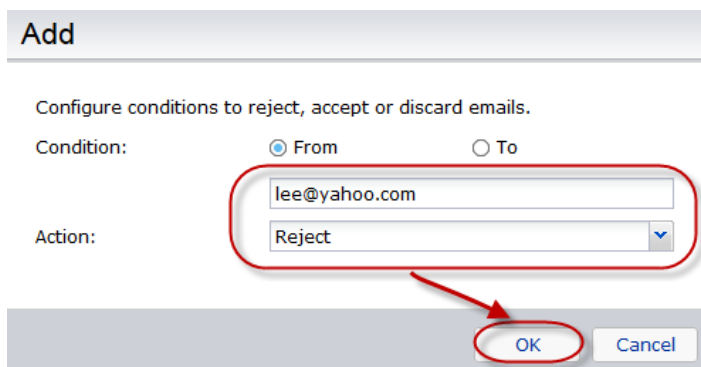


The 'Black and White List' window features a toolbar at the top with a red circle around the '+' button, a search bar, and icons for edit and delete. Below is a table with two columns: 'Condition' and 'Action'. The table is currently empty, with a 'No data' message at the bottom right. Navigation controls at the bottom left show 'Page 1 of 1' and a refresh icon. An 'OK' button is located at the bottom right.

Condition	Action
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STEP 3

- ✓ Configure a condition and an action and then click on [OK] once you are done.



The 'Add' configuration window prompts the user to 'Configure conditions to reject, accept or discard emails.' It has two sections: 'Condition' and 'Action'. In the 'Condition' section, the 'From' radio button is selected, and the text 'lee@yahoo.com' is entered in the adjacent field. In the 'Action' section, 'Reject' is selected from a dropdown menu. A red box highlights these two input areas, and a red arrow points from this box to the 'OK' button at the bottom, which is also circled in red. A 'Cancel' button is located next to the 'OK' button.

Configure conditions to reject, accept or discard emails.

Condition: ☒ From ☐ To

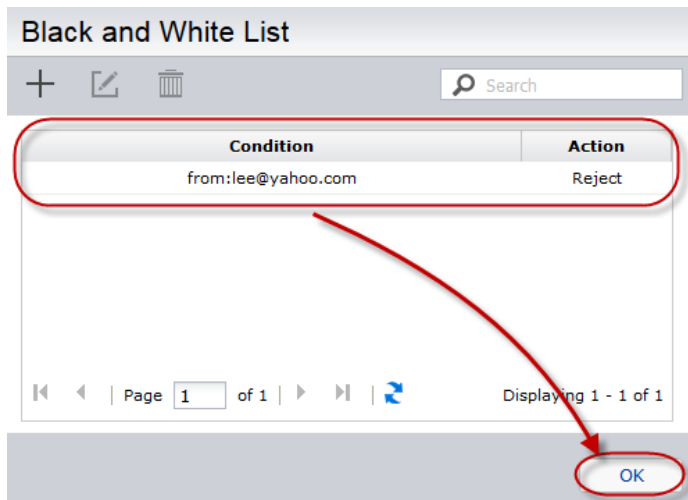
lee@yahoo.com

Action: Reject

OK Cancel

STEP 4

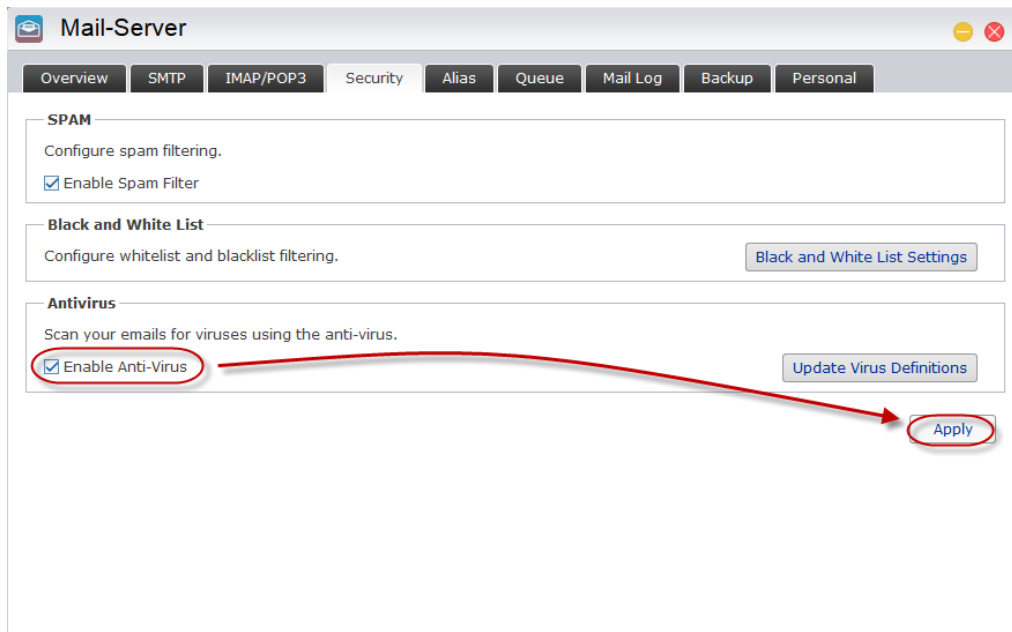
- ✓ You will now be able to see your newly added condition and action in the Black and White List.
- ✓ Click on **[OK]**.



3.3.3 Antivirus

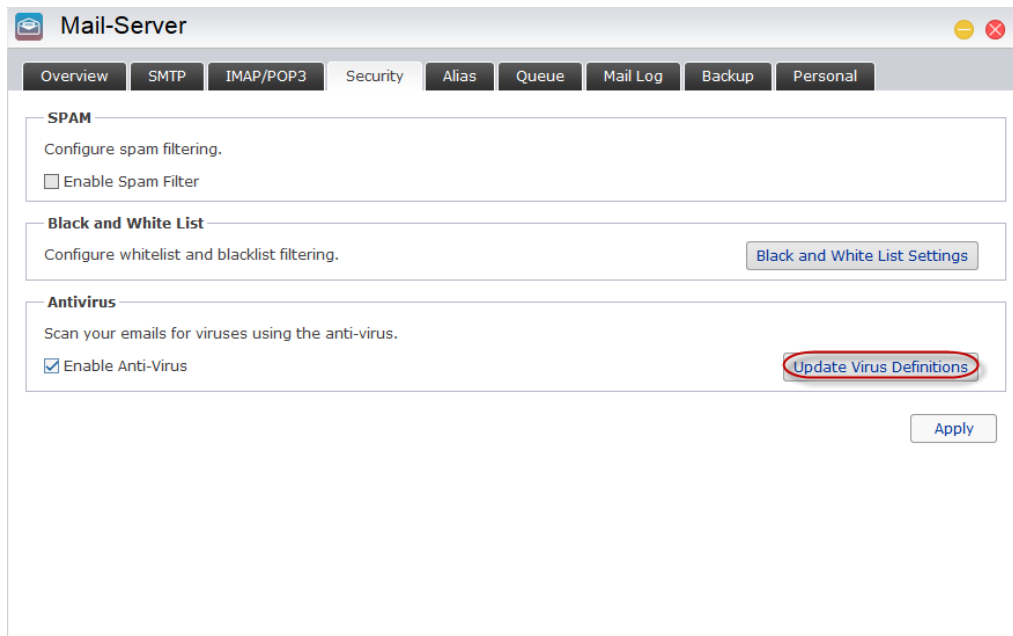
STEP 1

- ✓ To enable the antivirus, select the **[Enable Anti-Virus]** checkbox and then click **[Apply]**.



STEP 2

- ✓ Click on the **[Update Virus Definitions]** button to ensure that your virus definitions are up to date.



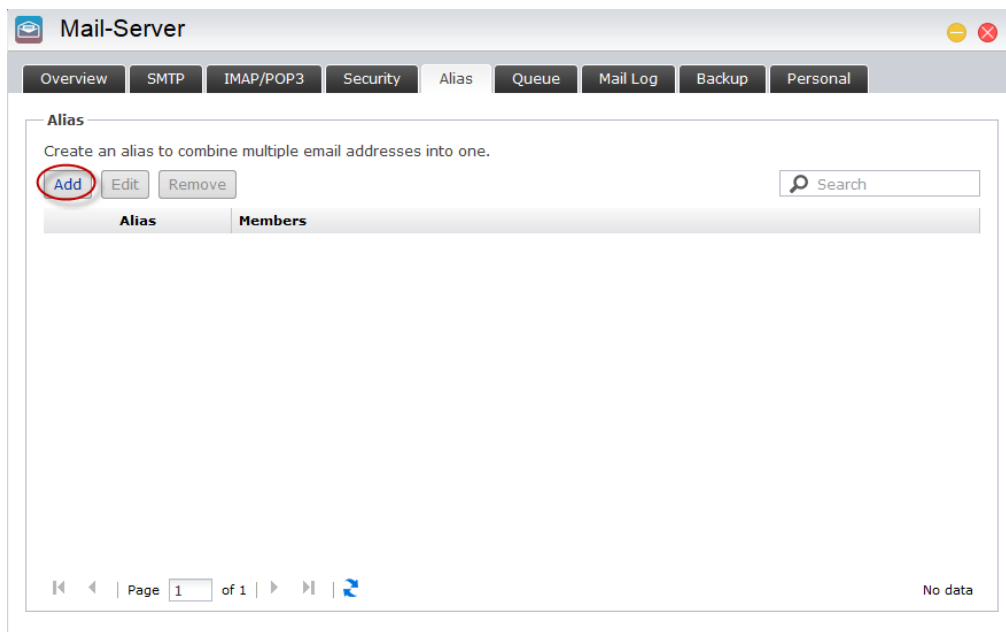
Note 6: If you wish to enable Antivirus, please make sure that the memory installed on your NAS is greater than 2GB.

3.4 Configuring Mail Server aliases

You can create an alias to combine multiple email addresses into one. You can select the members of an alias from your ASUSTOR NAS's users and groups.

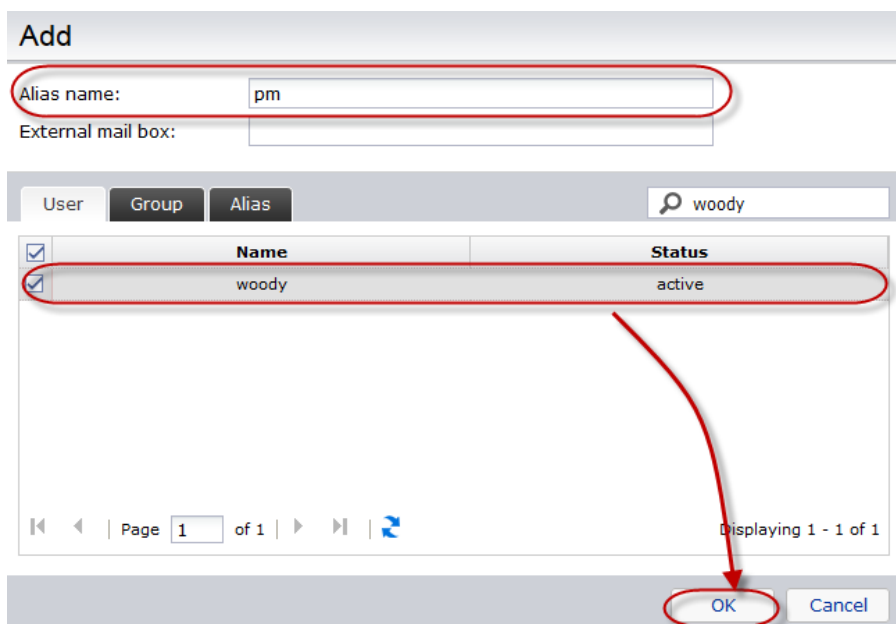
STEP 1

- ✓ Under the **[Alias]** tab, click on the **[Add]** button.



STEP 2

- ✓ Enter an alias name and then select users or groups to add to the alias. Click on **[OK]** once you are done.

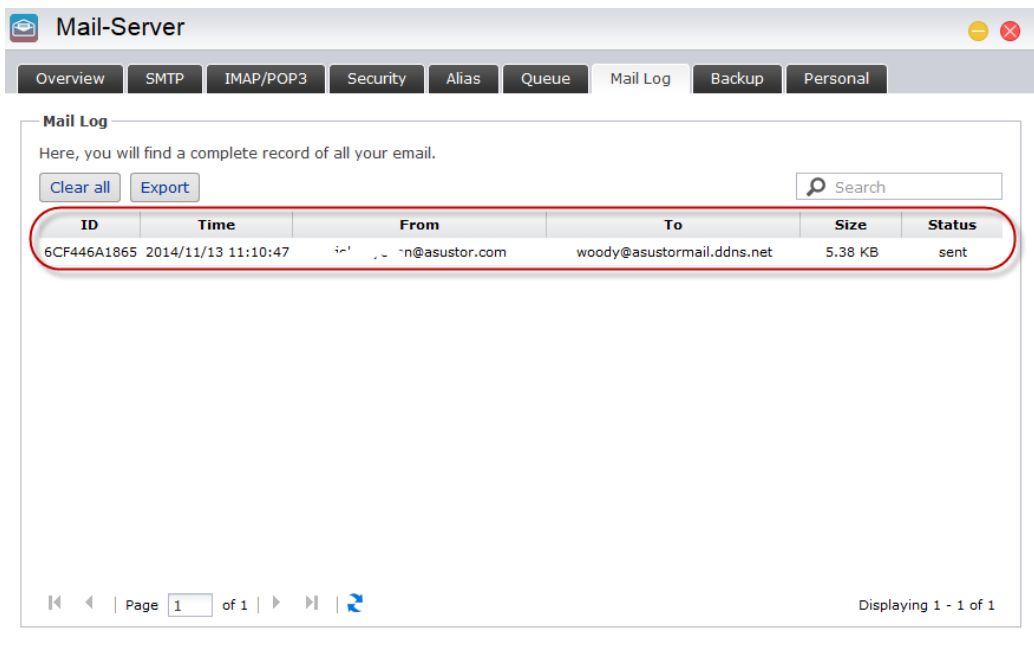


3.5 Queue

Under the [Queue] tab, you will be able to inspect all items in the mail queue. The date, sender, receiver, size and status of each item will be shown here. You can also search through and export (CSV file) the queue.

3.6 Mail Log

Under the [Mail Log] tab you will be able to find a complete record of all sent and received email including the time, sender, receiver, size and status of each item. You can also search through and export (CSV file) the mail log.



The screenshot shows the Mail-Server web interface with the 'Mail Log' tab selected. The interface includes a navigation bar with tabs: Overview, SMTP, IMAP/POP3, Security, Alias, Queue, Mail Log, Backup, and Personal. Below the navigation bar, the 'Mail Log' section is displayed. It contains a message: 'Here, you will find a complete record of all your email.' and two buttons: 'Clear all' and 'Export'. A search bar is also present. Below these elements is a table with the following data:

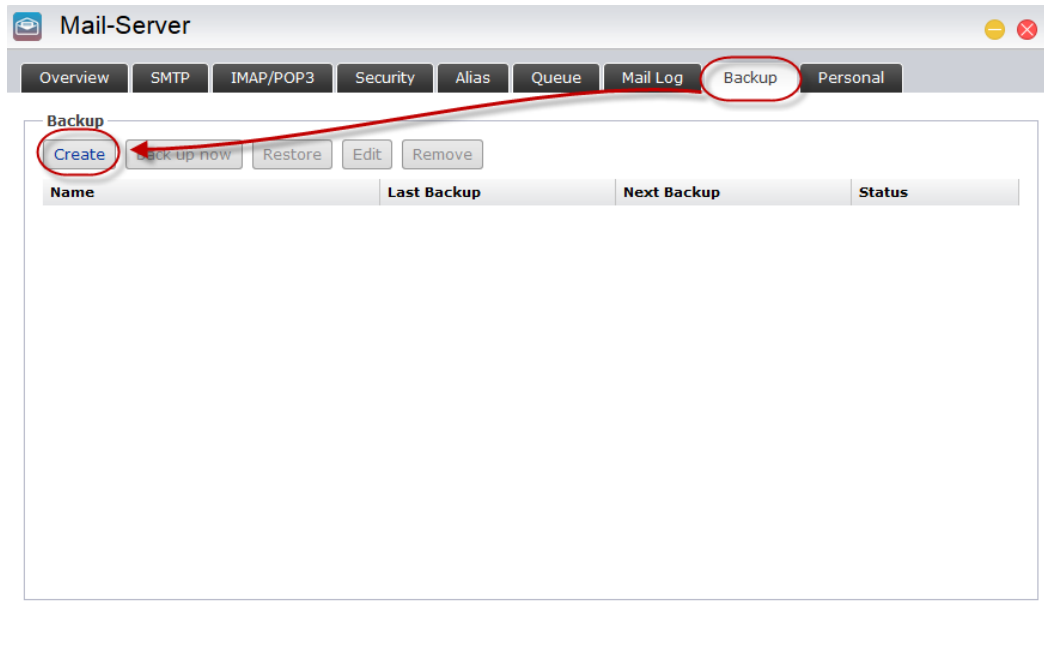
ID	Time	From	To	Size	Status
6CF446A1865	2014/11/13 11:10:47	woody@asustor.com	woody@asustormail.ddns.net	5,38 KB	sent

At the bottom of the interface, there is a pagination control showing 'Page 1 of 1' and a status indicator 'Displaying 1 - 1 of 1'.

3.7 Backing up your email

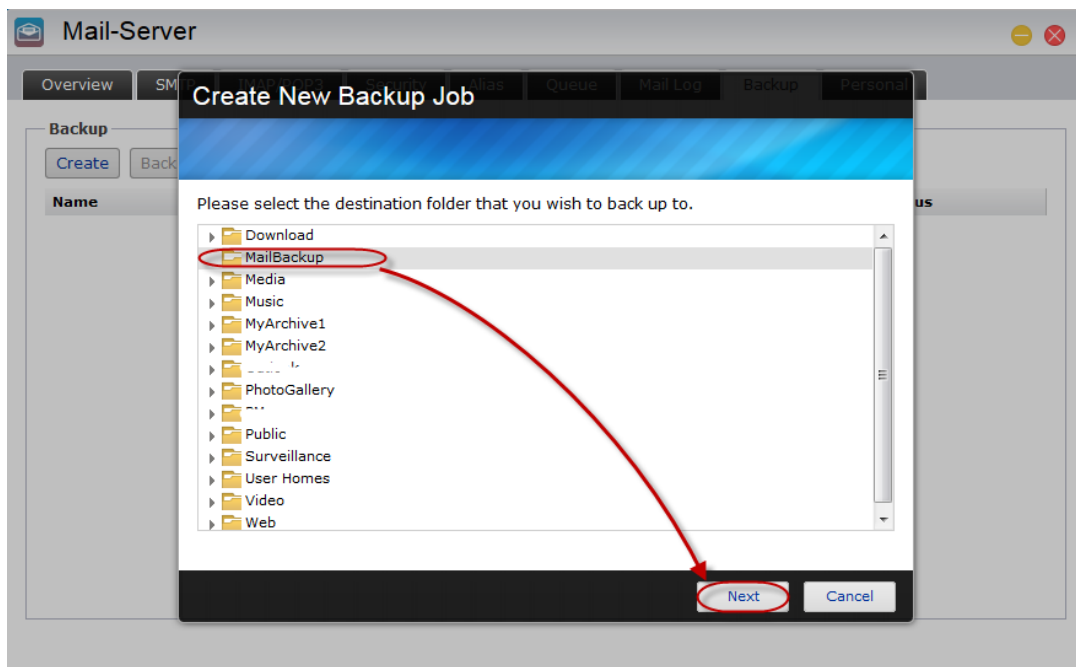
STEP 1

- ✓ Under the **[Backup]** tab, click on the **[Create]** button to create a new backup job.



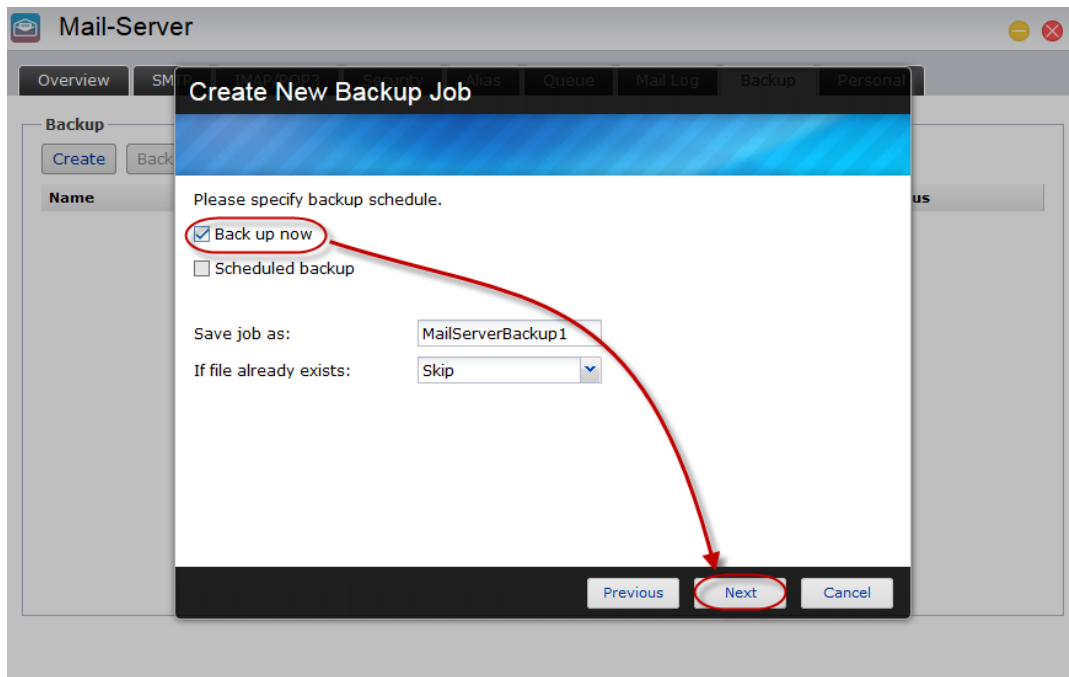
STEP 2

- ✓ Select the destination folder that you wish to back up to and then click on **[Next]**.



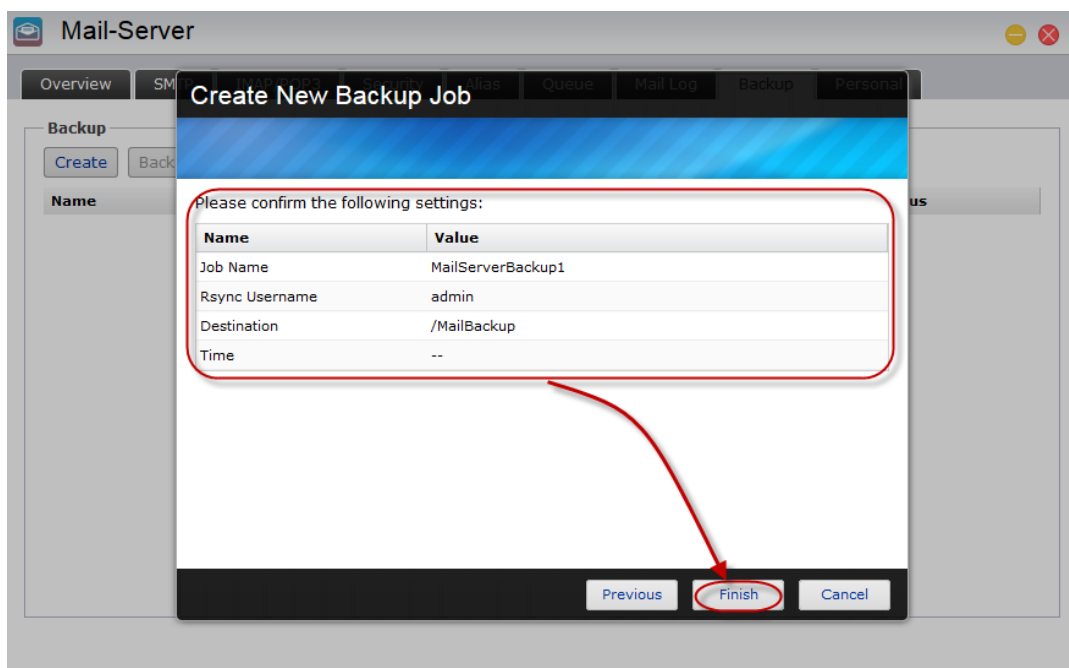
STEP 3

- ✓ Select either the **[Back up now]** or **[Scheduled backup]** checkbox and then click on **[Next]**.



STEP 4

- ✓ Confirm the settings that you have configured and then click on **[Finish]** once you are done.



3.8 Configuring personalized settings in Mail Server

Configuring Auto-Forwarding

STEP 1

- ✓ Under the **[Personal]** tab, select the **[Enable Automatic Forwarding]** checkbox, enter the email address that you want email forwarded to and then click on **[Apply]**.

The screenshot shows the 'Mail-Server' configuration window with the 'Personal' tab selected. The 'Auto-Forwarding' section is highlighted with a red box. It contains the text 'Email forwarding allows you to send copies of all emails from one account to another.', a checked checkbox for 'Enable Automatic Forwarding', and a text field for 'Forward mail to:' containing 'woody.asustor@gmail.com'. Below this is the 'Auto-Reply' section, which is also highlighted with a red box. It contains the text 'Configure an automatic reply when you cannot respond to emails personally.', a checked checkbox for 'Enable Automatic Reply', a 'Subject:' field with 'Day off', and a 'Message:' field with 'I will have 1 days off during 11/04, and I'll reply emails limited.'. A red arrow points from the 'Auto-Reply' section to the 'Apply' button at the bottom right of the window.

Configuring Auto-Reply

STEP 1

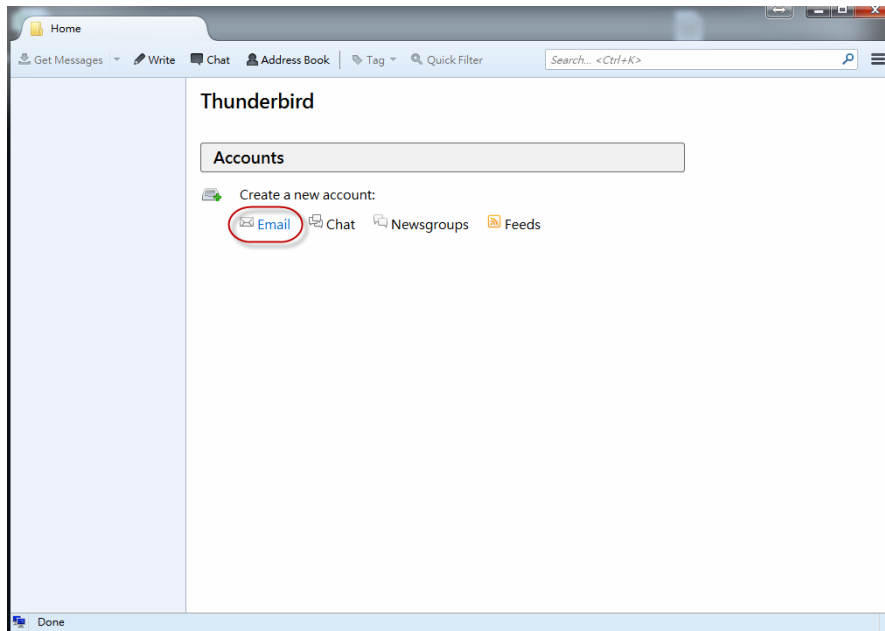
- Under the **[Personal]** tab, select the **[Enable Automatic Reply]** checkbox, enter a subject and message and then click on **[Apply]**.

The screenshot shows the 'Mail-Server' configuration window with the 'Personal' tab selected. The 'Auto-Reply' section is highlighted with a red box. It contains the text 'Configure an automatic reply when you cannot respond to emails personally.', a checked checkbox for 'Enable Automatic Reply', a 'Subject:' field with 'Day off', and a 'Message:' field with 'I will have 1 days off during 11/04, and I'll reply emails limited.'. A red arrow points from the 'Auto-Reply' section to the 'Apply' button at the bottom right of the window.

4. Using Thunderbird to Send and Receive Mail

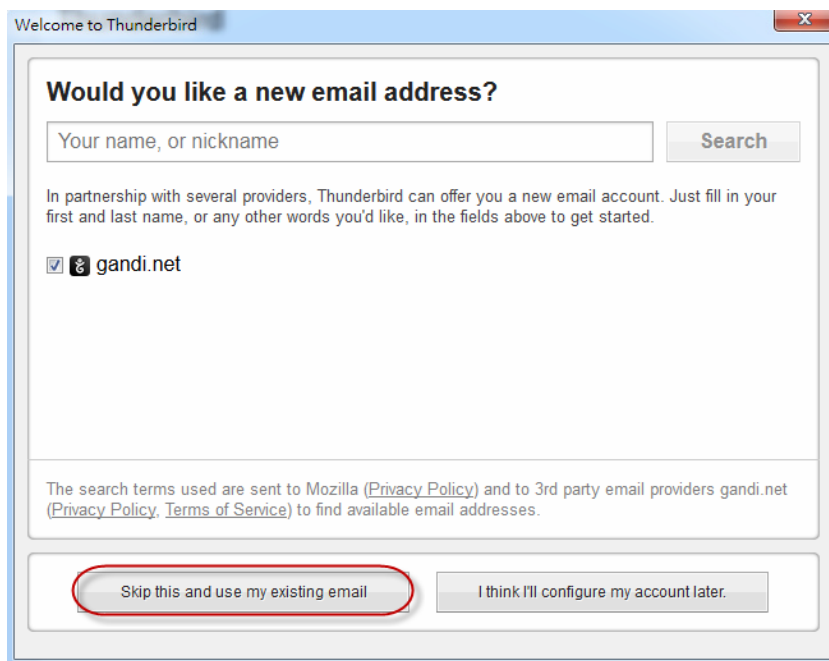
STEP 1

- ✓ Click on **[Email]**.



STEP 2

- ✓ Click on the **[Skip this and use my existing email]** button.



STEP 3

- ✓ Fill out the fields for your name, email address and password and then click on **[Continue]**.

The 'Mail Account Setup' dialog box is shown. It contains three input fields: 'Your name' with the value 'Woody', 'Email address' with the value 'woody@asustorwoody.c', and 'Password' with masked characters. A checkbox labeled 'Remember password' is checked. A red box highlights these three input fields. A red arrow points from this box to the 'Continue' button at the bottom right. The 'Continue' button is also circled in red. Other buttons include 'Get a new account' and 'Cancel'.

STEP 4

- ✓ Select either **[IMAP]** or **[POP3]** to connect to Mail Server on your ASUSTOR NAS and then click on **[Done]**.

The 'Mail Account Setup' dialog box is shown. It contains the same input fields as in Step 3, but they are not highlighted. Below the input fields, the text 'Configuration found by trying common server names' is displayed. A red box highlights the radio button selection area, where 'IMAP (remote folders)' is selected and 'POP3 (keep mail on your computer)' is unselected. A red arrow points from this box to the 'Done' button at the bottom right. The 'Done' button is also circled in red. Other buttons include 'Get a new account', 'Manual config', and 'Cancel'. The 'Incoming' and 'Outgoing' server settings are listed below the radio buttons.

Incoming: IMAP, asustorwoody.ddns.net, STARTTLS
Outgoing: SMTP, asustorwoody.ddns.net, No Encryption
Username: woody

- ✓ You can now use Thunderbird to send and receive email.

