

NAS 321

Hosting Multiple Websites with a Virtual Host

Host multiple websites
and enable DDNS service

ASUSTOR COLLEGE

COURSE OBJECTIVES

Upon completion of this course you should be able to:

1. Host websites on the ASUSTOR NAS using the virtual host function
2. Enable DDNS service for the ASUSTOR NAS

PREREQUISITES

Course Prerequisites:

None

Students are expected to have a working knowledge of:

Hosting Websites

OUTLINE

1. Obtaining a Unique Hostname

1.1 If you have a static IP address

1.2 If you have a dynamic IP address

2. Hosting Websites Using the Virtual Host Function

2.1 Enabling the Web server and adding a new virtual host (website)

2.2 Enabling DDNS service

1. Obtaining a Unique Hostname

You can host multiple websites on your ASUSTOR NAS by setting up virtual hosts. However, before setting up virtual hosts you should obtain a unique hostname for your ASUSTOR NAS either by registering for your own domain or by subscribing for DDNS service.

1.1 If you have a static IP address

If you have a static IP address, then you most likely will want to register for your own domain name. The company you register with will be able to provide DNS service for your unique hostname. You only need to provide them with your IP address and they will help you to map your hostname to your IP address.

1.2 If you have a dynamic IP address

If you have a dynamic IP address, then you may want to subscribe for free DDNS service in order to obtain a unique hostname for your ASUSTOR NAS. There are a number of companies offering free DDNS service. However, in our example we have decided to use no-ip.com. After registering with the company, you will be able to create a unique hostname and then have it mapped to your dynamic IP address. The company will periodically update your IP address in order to ensure that it is always mapped to your hostname.

The screenshot shows the no-ip.com website interface. The top navigation bar includes links for 'Return to No-IP.com', 'Your No-IP', 'Account', 'Support', and 'Log Out'. The user is logged in as '@asustor.com' with an IP address of '192.168.1.100'. The main navigation menu includes 'Hosts/Redirects', 'DNS Hosting', 'Domain Registration', 'Mail', 'SSL Certificates', 'Monitoring', 'Backup DNS', and 'Renew/Activate'. The 'Hosts/Redirects' section is expanded, showing 'Add Host' circled in red. The 'Add a host' page contains a form with the following fields:

- Own a domain name?** (Green box): 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** (Red box):
 - Hostname:** asustor (text input) | hopto.org (dropdown menu) [Green checkmark]
 - Host Type:**
 - DNS Host (A) [Green checkmark]
 - DNS Host (Round Robin)
 - DNS Alias (CNAME)
 - Port 80 Redirect
 - Web Redirect
 - AAAA (IPv6)
 - IP Address:** [Redacted] [Green checkmark]
 - Assign to Group:** - No Group - (dropdown menu) [Green checkmark] [Configure Groups](#)
 - Enable Wildcard:** Wildcards are a Plus / Enhanced feature. [Upgrade Now!](#) [Green checkmark]

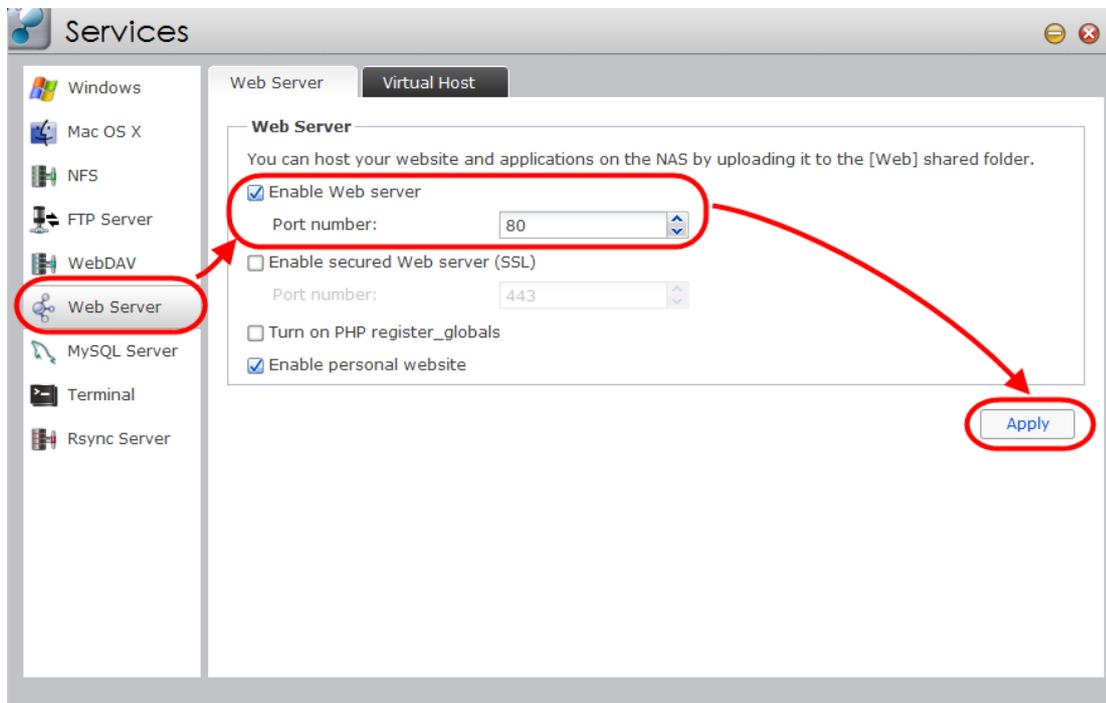
2. Hosting Websites Using the Virtual Host Function

ASUSTOR NAS supports virtual hosting for hosting multiple domain names on the NAS. In the following example we will walk you through the process of hosting a website using the virtual host function.

2.1 Enabling the Web server and adding a new virtual host (website)

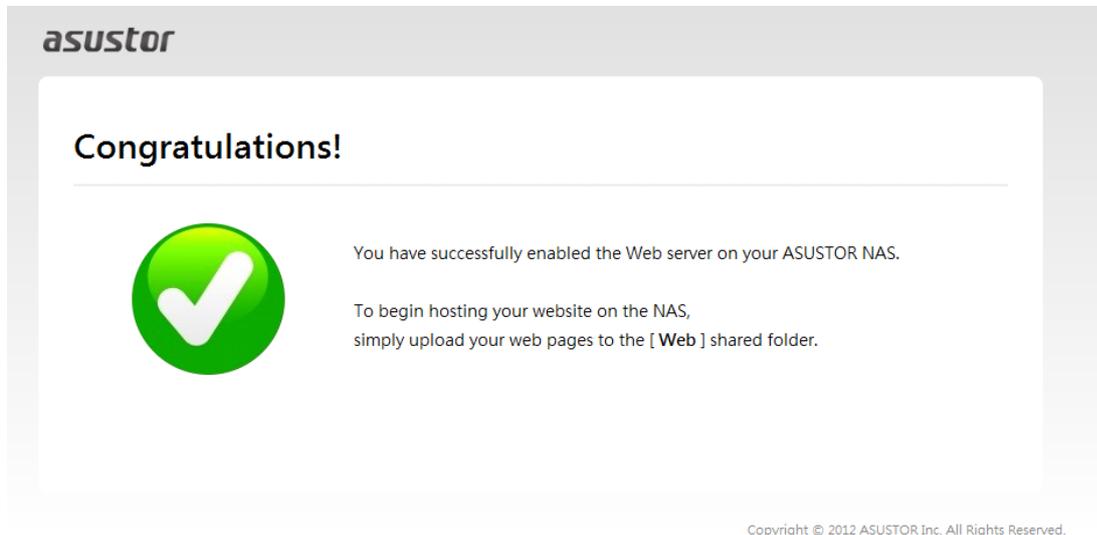
STEP 1

Select **[Services]** → **[Web Server]**. Select the **[Enable Web server]** checkbox found under the Web Server heading and then click **[Apply]**.



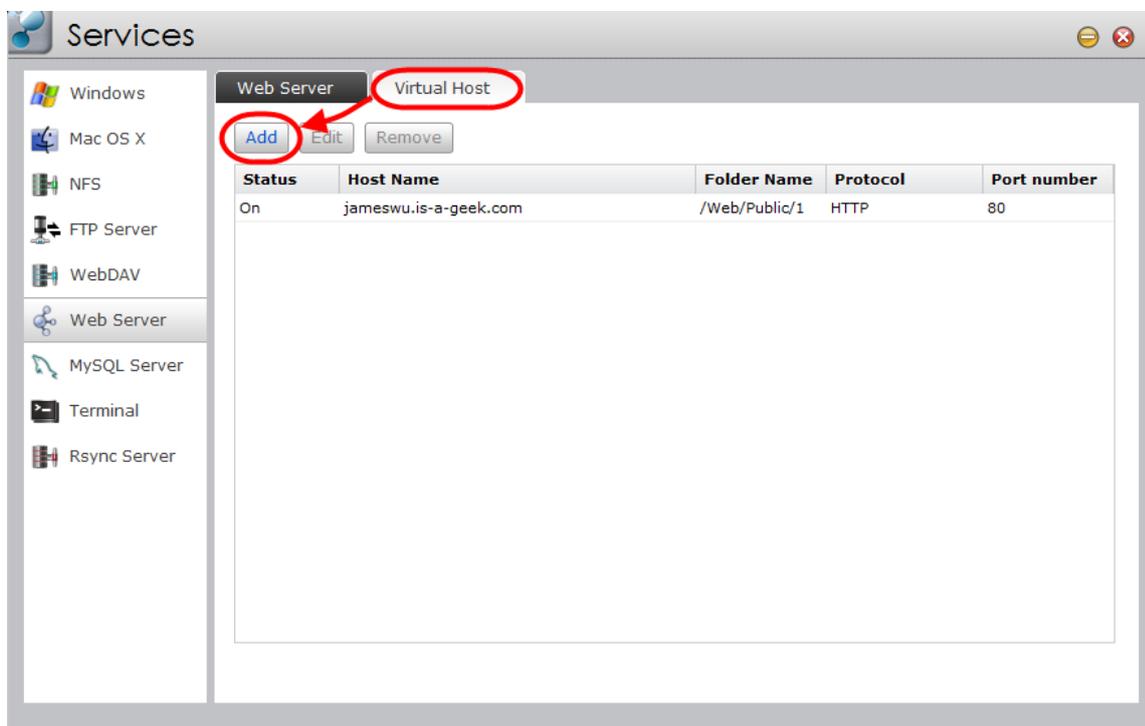
STEP 2

In order to check that the setting has been successfully applied, enter the ASUSTOR NAS's IP address into a Web browser and connect to it. You should be able to see the "Congratulations!" page as shown in the graphic below. This page is located in the ASUSTOR NAS's "Web" shared folder. In order to host a website on the ASUSTOR NAS, you must upload it to the "Web" shared folder of the NAS.



STEP 3

Now click on the Virtual Host tab and then click on the **[Add]** button.



STEP 4

The Virtual Host window will now appear. Fill out the required fields and then click **[OK]** once you are done. Your website should now be successfully hosted on the NAS.

Virtual Host

Host name: ASUSTOR.hopto.org

Folder name: /Web/Public

Protocol: HTTP

Port number: 80

Status: Enable Disable

2.2 Enabling DDNS service

If you have subscribed for DDNS service, you can also create a unique hostname to use with your NAS. In the following example we will walk you through the process of enabling DDNS service on the NAS.

STEP 1

- ✓ Select **[Settings]** → **[Ease of Access]** and then click on the **[DDNS]** tab.
- ✓ Select the **[Enable DDNS service]** checkbox.
- ✓ Select your DDNS provider from the drop-down list. If you haven't signed up for DDNS service you can select a provider and then click on the **Sign up now** link to register.
- ✓ Fill out the rest of the required fields and then click on **[Apply]** once you are done. DDNS service should now be successfully enabled on the NAS.

