

NSG Configuration Convert SOP

This SOP covers the process of downloading the NSG configuration file via FTP, checking model mapping, and applying the converted configuration file to USG FLEX H series devices.

I. Download Configuration File via FTP

1. Prepare the connection via FTP

1. Open the command prompt on your PC by using the keys "**Windows + R**". In the now opened window, type "**cmd**" and press OK.
2. Navigate to the directory where the configuration file should be stored.
3. You can navigate through directories using "**cd**". For example, if you want to save it in "**C:\config**", type in: `cd C:\config`.

2. Establish Connection and Download

1. Open an FTP connection by typing **ftp [IP address of the gateway]** and press Enter. For example: `ftp 192.168.1.1`.
2. You will be prompted for login credentials; please log in as an **administrator**.
*Note: password is local credentials at NCC side-wide settings.
3. Use the command "**cd**" to navigate through the NSG's folders. Type in **cd conf**; this will change the directory to one where the configuration files are stored.
4. Download the specific configuration file (**startup-config.conf**) by typing the following: **get startup-config.conf**.
5. Confirmation: As proof that the configuration file was downloaded, you will see the command "**Transfer complete**".

3. Modify the NSG "startup-config" File

1. Open the **startup-config.conf** file using a text editor (e.g., Notepad).

2. Delete the lines starting with "! model:" and "! firmware version" from the configuration file.
3. Save the file and **rename it with a ".conf" extension**, ensuring the file name is **not** startup-config.

II. Configuration File Modification and Check

1. Check the Model Mapping Table

In order to migrate your NSG to the USG FLEX H, the following mapping table applies:

On the Converter web page, select the **USG FLEX** model as "**From**", then upload the **NSG configuration file**.

NSG Series	NSG50	NSG100	NSG200	NSG300
USG FLEX (From)	USG FLEX 100/100W	USG FLEX 200	USG FLEX 500	USG FLEX 700
USG FLEX H series (Target)	USG FLEX 100H/HP	USG FLEX 200H/HP	USG FLEX 500H	USG FLEX 700H

2. Conversion Notes (UTM & VPN)

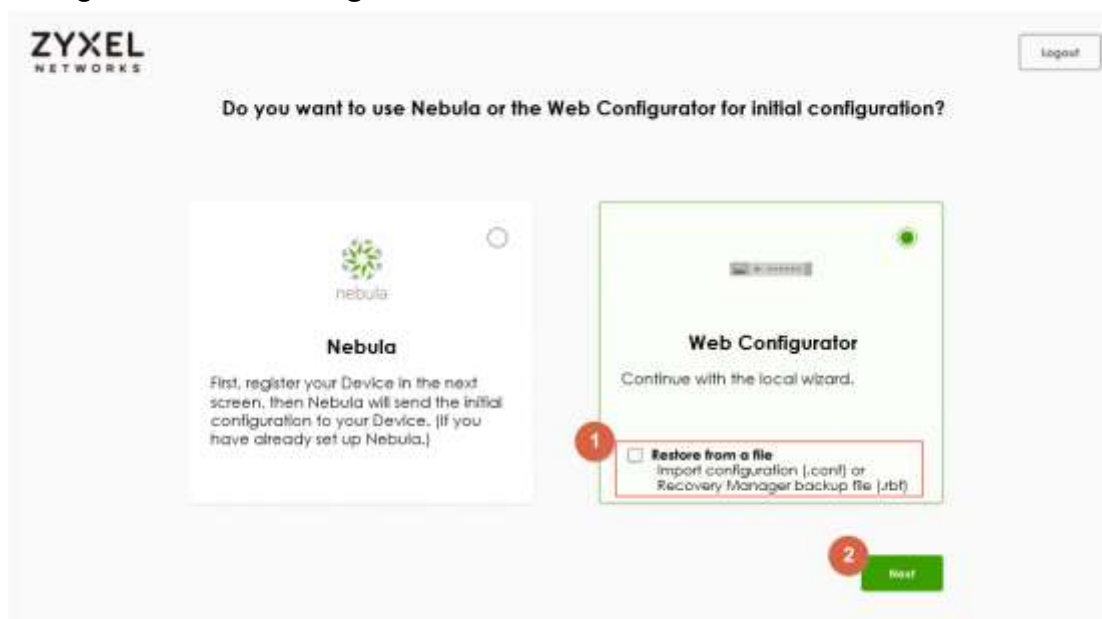
1. **UTM Features:** UTM features are partially converted, which means they **may not be working properly**. Please ensure you check the UTM configuration settings and related firewall policies.
2. **VPN Conversion:** The NSG Nebula VPN (SD-VPN) and Non-Nebula VPN (Auto-link VPN) will convert to the **H series Nebula Manual-Link VPN**.

III. Application and Post-Configuration

1. Applying the Converted Configuration File

1. After the configuration file is converted, **save the configure file**.
2. Login to your H series device.

- **Initialization Note:** You must select **"Web Configurator"** to initialize the device. Otherwise, all the configuration will be replaced by the Nebula default configuration.
 - **Password Note:** After applying the converted file, the **"admin" login password will be reset to H series default.** Please see the Device back label or try **1234**. Do remember to change your password after logging in.
3. Navigate to **Web configurator > restore from a file.**



4. Upload the config file from the converter, and **apply the configure file** to your H series device.

2. Manual VPN Rule Adjustment

1. Navigate to the **IPsec VPN > Site to Site VPN** page.
2. **Identify Failed SD-VPNs:** Find out those VPN rule names that start with **"S"**. These are the SD-VPNs that cannot convert.
3. **Remove Failed Rules:** Please manually **remove/Delete** those **VPN rules**.
4. **Create New Rules:** Manually **create new SD-VPN rules** according to your Nebula topology.

5. **Adjust Other VPN Rules:** For the other VPN rules, please manually **add them to the policy route** and **modify/fill-in the remote peer Gateway information**.

3. Manual UTM Profiles Adjustment

1. UTM features are **partially converted** and **may not function correctly** after the conversion.
2. Please review all UTM settings and the associated firewall policies carefully after applying the configuration.
3. Navigate to the **Security Services > Application Patrol** page.
4. The **Application Patrol profile name will be converted**, but **profile rules and application content will not**.
5. You must **manually edit the Application Patrol profile** and **add the required application rules/content**.