





SOP for firewall onboarding to Nebula

ATP/USG FLEX/USG20-VPN Series

together we are connected

Nebula Together represents Zyxel's strategy to help customers realize the power of bringing your whole network together into a single platform.

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- 2. Run initial wizard and upgrade firmware
- 3. Onboard on Nebula Cloud

together we are connected

Nebula Together represents Zyxel's strategy to help customers realize the power of bringing your whole network together into a single platform.





Use the included power adaptor or power cord to connect the power socket (on the rear panel) to a power outlet.



2 It is recommended that you configure the security appliance before using it to protect your network. Use an Ethernet cable to connect a computer to the LAN port (P4) of the security appliance.

3 Use another Ethernet cable(s) to connect a computer to the WAN port (or P2, if no WAN label) to an Ethernet jack with Internet access. At the front panel, ensure that the PWR light turns on. The SYS light blinks during system testing and initialization, then it should stay on when the system is ready. We'll get you quickly up and going with this guide for Zyxel firewall onboarding to Nebula with DHCP WAN type.



2.1 Login to device GUI with IP: <u>https://192.168.1.1</u>

User name: admin Password: 1234

| Z USG FLEX 100 × | + | | - | σ | × |
|----------------------------|----------------------------|---|---|---|---|
| $\leftarrow \rightarrow c$ | O A 0+ https://192.168.1.1 | | | | = |
| € → 0 | U 🗛 6- angug 192164.11 | ZYXEL USG FLEX 100 Date User Houses/Parasovar and click to logits. @ @ | | | |
| | | Note: In one increased and Caskie writing in your web transmer. In one in Summary and Caskie writing in your web transmer. And of Annual Room and Room and Annual Annua | | | |
| | | better user experiance. | | | |

| 2.2 Set up a new | |
|-------------------------|---|
| password. | ZYXEL USG FLEX 100 |
| | Update admin Info |
| | As a security precaution, it is highly recommended that you change the admin default password. |
| | New Password: |
| | Retype to Confirm: |
| | (max. 63 alphanumeric, printable characters and no spaces) |
| | Apply |
| | |
| | |
| 2.3 Use the new | |
| password to login. | ZYXEL USG FLEX 100 |
| | Enter User Name/Password and click to login. |
| | 8 admin |
| | ø |
| | Login |
| | Note: Ium on lowoscript and Cockle setting in your web browser. Ium on lowoscript Mindow Blocking in your web browser. Altwor Georal You are using Coople Chrome. Ium off Compatibility Wave setting in III bit are commended, or upgrade to IE11 for |

2.4. Start initial wizard and click Next>



2.5 Connect to Internet(WAN): Select "**Ethernet**" and choose "**Auto**" (DHCP) as WAN type. If you are using PPPoE, please select PPPoE.

| Setup Wizard × | + | | - | ø | × |
|---|--------------------------|---|---|--------------------|---|
| $\leftarrow \ \ \rightarrow \ \ \mathbf{G}$ | O 🔒 https://192.168.1.1/ | ext-js/app/view/pagestore/genie.htm | mi 🏠 | \bigtriangledown | = |
| | | Votion Wizard Quick Activation Wizar Connect to Internet(WAN) Internet Access - First W ISP Parameters Encapsulation: IP Address Assignment IP Address Assignment: | rd) 2 Date and time Satings > fremware Upgrade TAN Interface Enemet WAN Auto Connect to Internet(WAN) > Date and Time Settings > Frenware L 1 2 3 Internet Access - First WAN Interface ISP Parameters Encapsulation: Ethernet First WAN Interface: Wan IP Address Assignment: Auto IP Address Assignment: Auto | | |

2.6 Check the **Connection Test** showing "OK" then press Next.

| Quick Activation Wizard | « |
|--|---|
| Connect to internet(WAN) > Date and Time Settings > Firmware Upgrade | |
| Congratulations. The Internet Access wizard is completed. Summary of Internet Access configuration: | |
| First Setting | |
| Encapsulation: Ethernet | |
| First WAN Interface: wan | |
| Zone: WAN | |
| IP Address Assignment: Auto | |
| Connection Test OK | |
| Concerned to the second | |

2.7 Data and Time Settings- Click Sync. Now then press Next.

| 👭 Quick Activation Wizard | |
|---|--|
| Quick Activation Wizard | () () |
| Connect to internet(WAN) > Date and Time Settings > Firm | vare Upgrade |
| | |
| Date and Time Settings | |
| For effective scheduling and logging, your Device sy the current date and time from an external time served. | rstem time must be accurate. The Device will get rer periodically by default. |
| The auto-detection might temporary fail due to inter date and time automatically when the internet con | net connection status, the Device will try to get nection is available. |
| Current Date: 2022-03-04 Kuto sync | time zone now |
| Current Time: 05:17:58 UTC+00:00 | |
| Time Zone: (UTC+00:00) Greenwich Mean Tir | ne: Dublin, Edinburgh, Lisbon, London |
| Daylight Saving Time is not observed by this time zon | e. |
| Sync. Now | |
| | |
| | |
| | |
| | |
| | |

2.8 Firmware Upgrade- A new firmware will upgrade automatically.

| 🛿 Quick Activo | ation Wizard | Þ |
|----------------|---|----|
| | Quick Activation Wizard | << |
| | Connect to internet(WAN) > Date and Time Settings > Firmware Upgrade | |
| | The Device is downloading the latest firmware (V5.21 (ABUH.0)) and will reboot automatically once completed. Please wait | |
| | Downloading Firmware Package (Total: 96MB) Fause | |
| | 79 % | |
| | Downloading | |
| | Download time may be various depending on your internet connection. | |
| | | |
| | | |
| | | |



3.1 Go to Nebula Control Center page. (https://nebula.zyxel.com) and click Get Started.



Create a Zyxel account. If you already have Zyxel account, please skip to step 3.5.

3.2 Create a Zyxel account.



3.4 Set your password and 2FA.

| Password | |
|--|---|
| Password | |
| Minimum 8 characters required, including (A-Z)/(a-z), (0-9), | and |
| Confirm & Sign In Already a user? Sign In | Enable Two-Factor Authentication Two-factor authentication provides an extra layer of security for your account. Would you like to enable it now? |
| Don't have an account? Create account | Skip Remind Me Later Enable Now |

If you would not like to enable 2FA, please click Skip.

3.5 Click Let's Start to setup Nebula initial wizard.



3.7 Don't Skip this step! Add your device's **MAC address** and **Serial Number** and click Add, then click **Next.**

(MAC address can be found on the sticker. When entering the MAC address, the colons will automatically be added in.)



3.8 Click "Skip WiFi Settings".

| ared Key) | |
|-----------------|---------------------------------------|
| | Password (Pre-Shared Key) |
| | /LAN |
| | 1 |
| terface Gateway | VLAN Set up VLAN interface Gateway |

3.9 Select DHCP as WAN type and click **Next**. (If you're WAN type is PPPoE, please select PPPoE). The system will send you an installation email.



3.10 Click Go to Nebula dashboard

| Z Zyxel Nebula - Wizard | × + | | | - 0 | \times |
|-----------------------------|--|--|--|---------------|---------------|
| $\leftarrow \rightarrow $ C | Q https://nebula.zyxel.com/cc/ui/index.html#/wizar | 1 | | 6 | 9 ≡ |
| | | Well that's the basics sortedYou've ready to go! | | <u>Exit V</u> | <u>fizard</u> |
| | (2) | | 2ª* | | |
| | Crganization Zyxel Site Office | WIFI Name (SSID) WIFI Password | Guest WFI Name (SSID) Guest WFI Password Authentication | | |
| | Nebula Devices 1 Device > | | Model Nome USB FLEX too WAN Setting WAN Port: P2 WAN Type: DHCP Recipient | | |
| | | Ge to Nebula Dashboard | | | |

3.11 Select "Activate one-month trial period" and click OK.

| w | ell that's the basics sortedYou're ready to go! | | |
|--|--|---|-----|
| (2) | <u></u> | 2ª* | 172 |
| Notification | | × | E |
| We offer a free one-month trial period for Nebula f Activate one-month trial period. Continue without activating trial period. | Pro Pack and Nebula Security Services. Would you like to a | ctivate the trial period for this organization? | ß |
| | | ОК | |
| | | WAN POT: P2 WAN Type: PPPOE Recipient | |
| | Go to Nebulo Dashboard | | |

3.12 Go to your inbox and check for a mail subject with "**Register your Zyxel Firewall device_device model**".

| 🕞 5 ा 🕈 🤟 🔻 Register yo | ur Zyxel Firewall device_USG FLEX 100 - Message (HTML) | Δ | - | | × |
|--|--|---|---|---|---------|
| File Message Q Tell me what you want to do | | | | | |
| info@nebula.zyxel.com | | | U | 1 | 3:50 PM |
| Register your Zyxel Firewall device_USG FLEX | 100 | | | | ~ |
| 1 KB | | | | | |

ZYXEL

Greetings

This email shows you the procedure to pass management of your USG FLEX 100(S202L13100839) to Nebula Control Center (NCC).

Note: Go to step 3 if your USG FLEX 100(S202L13100839) has not been configured before and/or already has the factory default configuration.

- Back up your current configuration before passing management to Nebula. Log into the web configurator. and go to Maintenance > File Manager > Configuration File. Select startup-config.conf, then click Download.
- Reset the USG FLEX 100(S202L13100839) to the factory defaults by pushing the Reset button until the port connection LEDs turn off (after about 5 seconds). Your USG FLEX 100(S202L13100839) will reboot to the factory defaults and all previous configurations will be erased.
- 3. Connect the power port to an appropriate power source and turn on the USG FLEX 100(S202L13100839).
- Use an Ethernet cable to connect the WAN port (P2) of the USG FLEX 100(S202L13100839) to the Ethernet port of a device that will
 provide Internet access.
- 5. Use another Ethernet cable to connect the LAN port (P4) of the USG FLEX 100(S202L13100839) to your computer. Make sure your computer can receive an IP address automatically (this is the default for all computers so the computer should be fine unless you changed it).

3.13 Press the reset button for five seconds on the device.



3.14 Click "Allow Nebula to Manage My Device"

| | 5 | Q | Ŷ | Ψ | Ŧ | Register your Zyxel Firewall device_USG FLEX 100 - Message (HTML) | A | - | |
|-----------|--------------------|--------------------------|-----------------------------|--------------------------|------------|---|---|---|--------|
| File | Mes | sage | ♀ Tell | | | | | | |
| | info Reg | @nebi i ster y | ula.zyxe our Zy : | l.com xel Fire | wall devic | e_USG FLEX 100 | | U | 1 3:50 |
| S2 1 H | 02L131 KB | 00839.js | on | * | | | | | |

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- 6. Wait for the **SYS** LED to turn solid green, Allow Nebula to Manage My Device to your web browser. You will see a screen saying that Nebula registration of the second s
- 7. When you see a screen saying Nebula registration has succeeded, management of your USG FLEX 100(S202L13100839) has passed to Nebula Control Center (NCC).
- 8. Go to Nebula Control Center get started monitoring and configuring your security appliance.

Alternative Procedure Using USB

Try this alternative with a USB disk drive if you prefer not to use a computer connection to the USG FLEX 100(S202L13100839).

- 1. See the previous note and follow steps 1 to 3 as before.
- 2. Use an Ethernet cable to connect the WAN port (P2) of the USG FLEX 100(S202L13100839) to the Ethernet port of a device that will provide Internet access.
- 3. Connect the USB disk drive to your computer and save the attached JSON file in this email to the root folder of the USB drive.
- 4. Wait for the SYS LED to turn solid green. Then connect the USB drive to the USG FLEX 100(S202L13100839).
- 5 The Nebula administrator should new check if the LISC ELEY 100/S2021 121008201 is online indicating Nebula registration has

3.15 Conduct ZTP process.



3.16 Log in NCC and check the online appliance status.

| | Standard Lindow Problems | _ | B₽ Customize | | | | | |
|-------------------|---|---|--|-------------------|------------------------------|--|-----------------|----------|
| Organization-wide | Dashboard | A wir | Appliance Status | | Mobile router | | WAN1 Throughput | |
| Firewall | No APs | | 1/1 Online | | No Mobile router | | 1.32↓ < | > |
| Access point | (b)() SSIDs (by Usage) | | ID% CPU Usage | _ | | | J.J/↑ Kbps | _ |
| | Appliance Network Applications Apple Generic Servi. 4 Apple App Store | | 33.5 MB Acc/e SIR 771 KB 40.6 MB Cocole 532 KB | Appliance Clients | Appliance Clients (by Urage) | | | 9 |
| [] Help | 577.5 MB Appl | e Location ad : csoft Outlook (Of | 2.6 MB I OS over-the-air (OTA_402 KB 8075 KB Apple Push Notificati | Yona Phone | | | | 430.9 MB |

Congratulations on finishing your firewall setup on Nebula! Enjoy advanced protection with easy management!