

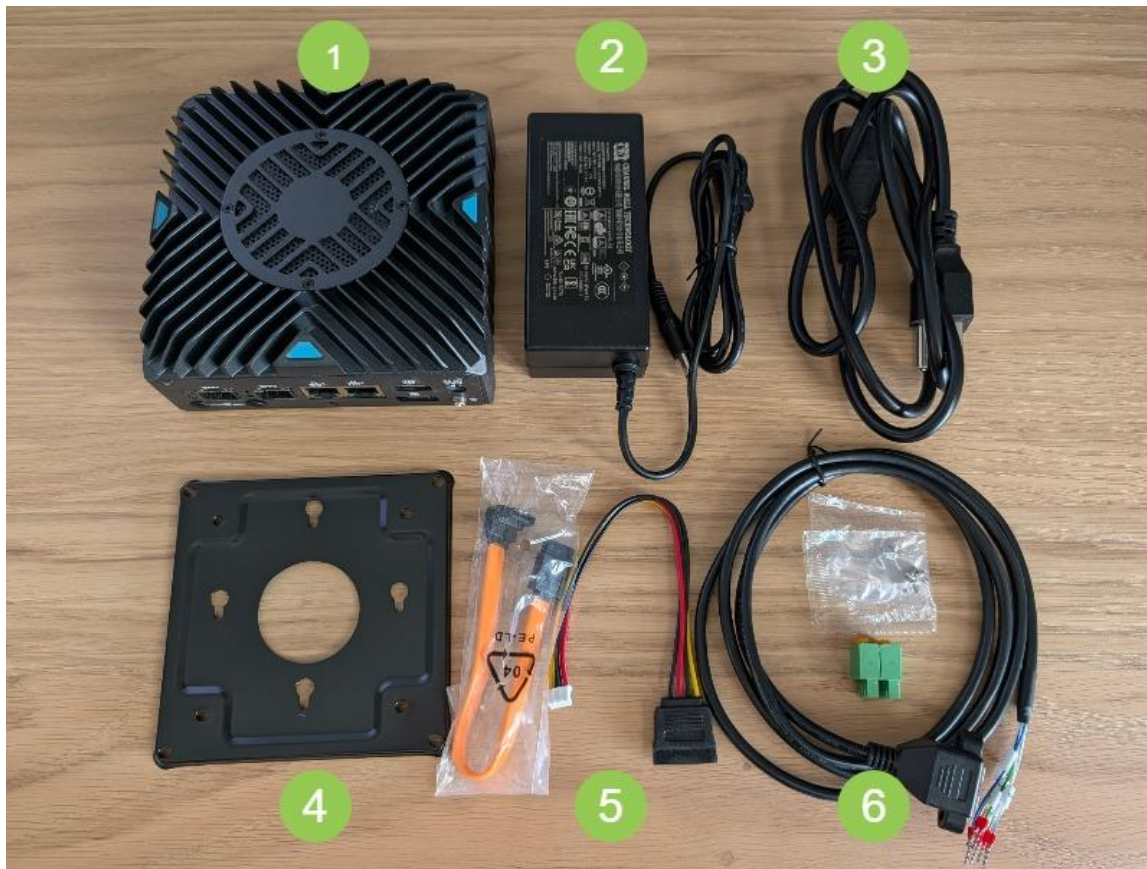
Installation of SolutionIP FLEX on NS2026SFP (N1342) Server

Package Contents

The package contains the following items:

1. NS2026-SFP Server
2. Power adapter
3. Power cord
4. VESA mounting bracket
5. SATA data and power cables for additional HDD/SDD
6. Console cable with connector

NOTE: Only items 1–3 are required for the server installation.



Hardware Overview

Front Panel

The front panel contains the following elements:

1. Power button
2. USB ports
3. Serial port
4. SIM card slot



Back Panel

The back panel contains the following elements:

1. Two SFP ports
2. Two 2.5G RJ-45 ports
3. HDMI port
4. Display port
5. Power input
6. Grounding connector



Connecting Hardware

NOTE

Connecting the power adapter to the server will automatically turn it on. We recommend completing this step after all peripherals have been connected.

On the front panel, connect the keyboard.

The setup user interface also supports a mouse, which can be connected if desired. However, the mouse is optional, and the setup can be completed without one.



Connect the installation USB drive with SolutionIP FLEX.



Connect the monitor to either the HDMI or DisplayPort (DP) port.



Finally, connect the power adapter to the server to turn it on.

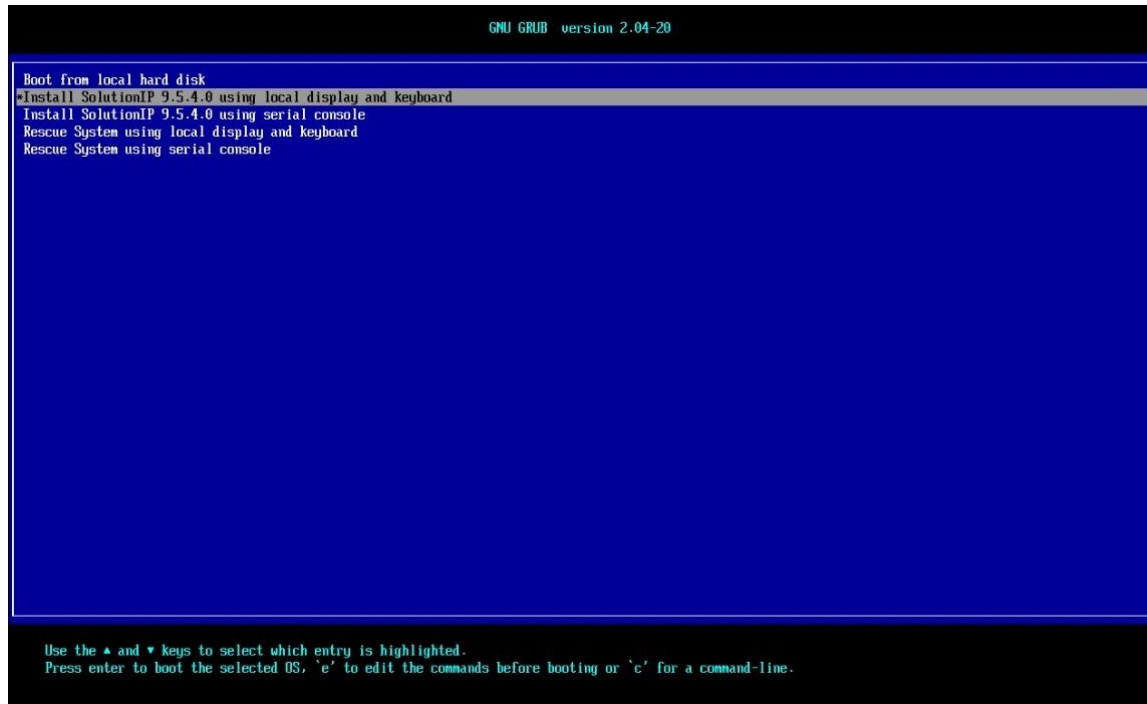


The power button should light up blue.



Software Installation

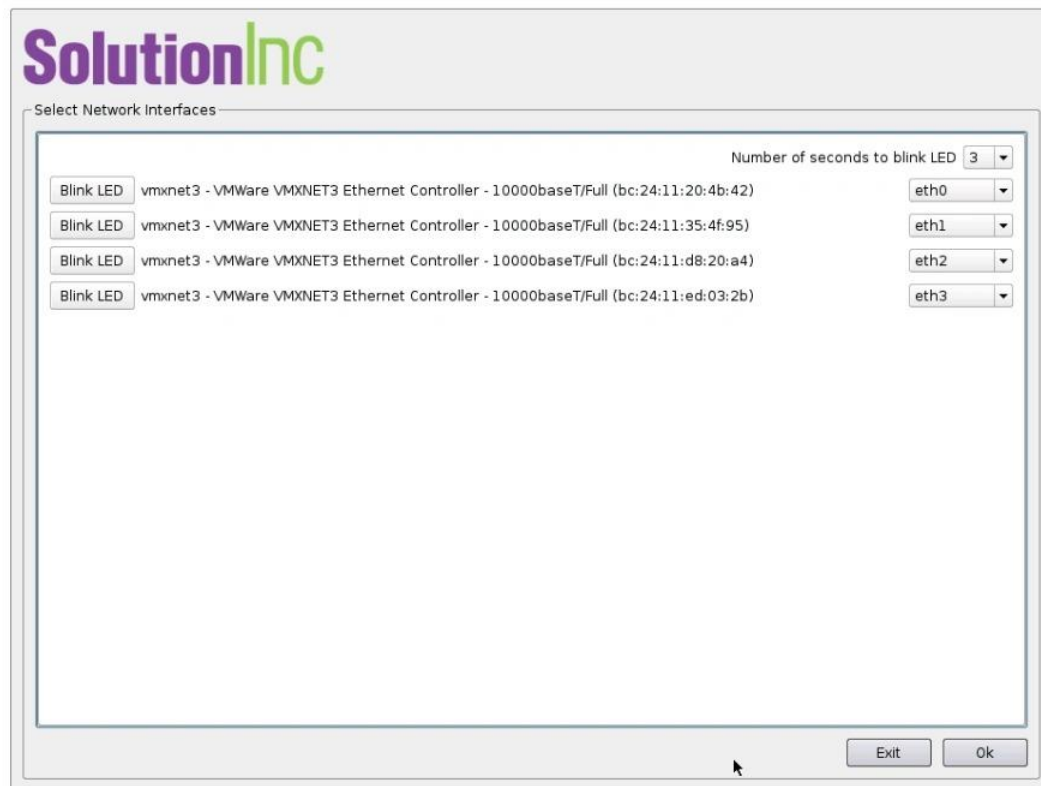
The system will automatically boot from the USB drive, and the installation menu will appear. Use the arrow keys to select **Install SolutionIP 9.5.4.0 using local display and keyboard**.



The NIC assignment menu will appear on the screen.

This menu allows the port roles to be matched to the physical ports and their order changed.

A mouse can be used to navigate this menu.

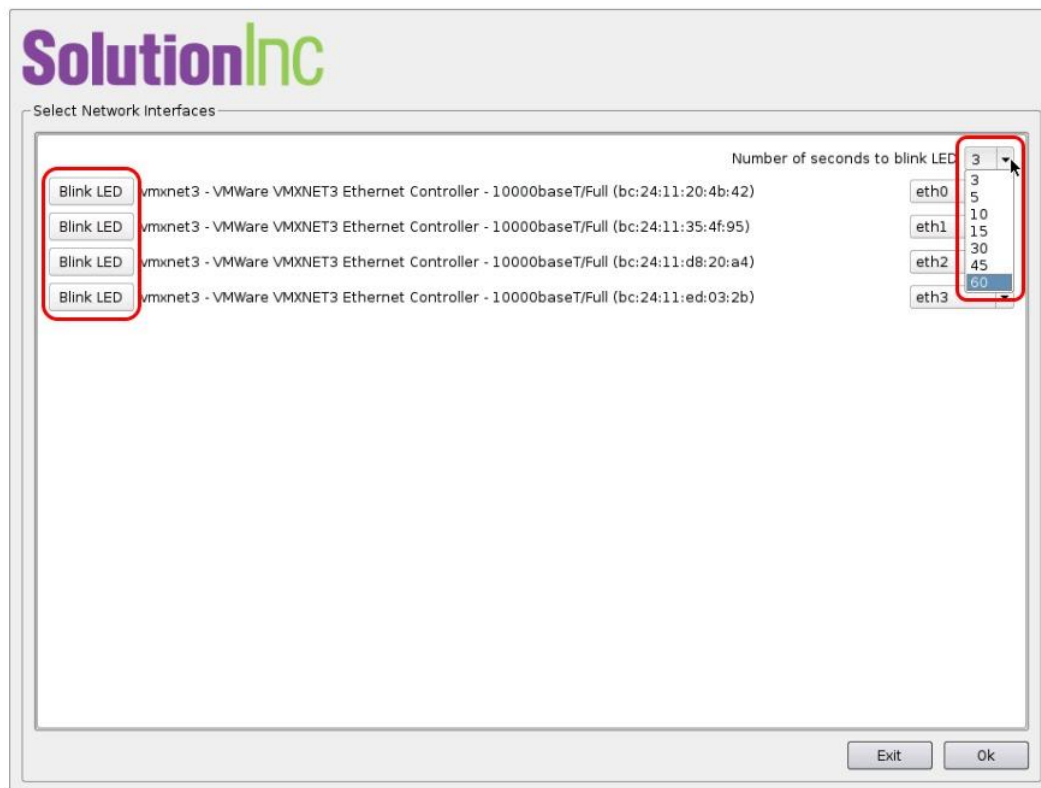


NOTE

The server port roles are always defined by the following interface names:

- eth0 - LAN
- eth1 - WAN
- eth2 - Additional Interface
- eth3 - Additional Interface

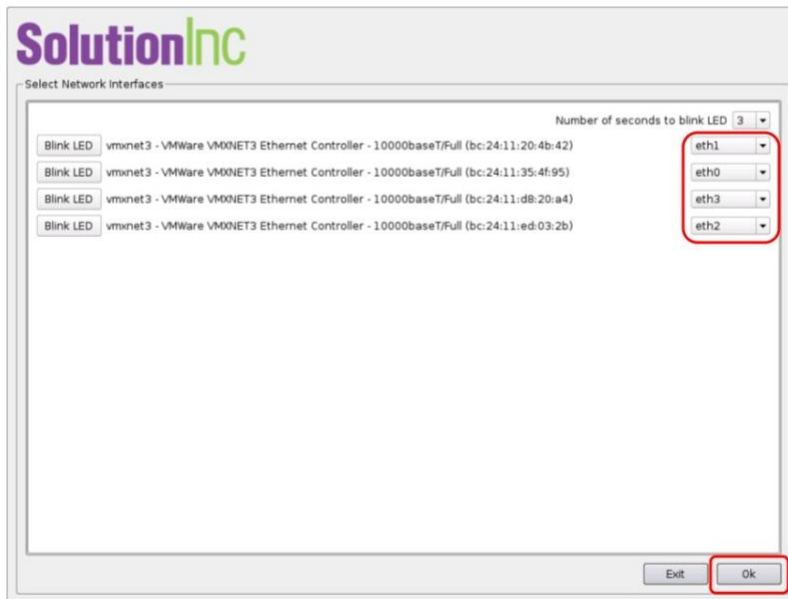
Clicking the **Blink LED** button will flash the port status LED for the duration specified in the **Number of seconds to blink LED** drop-down menu in the top right corner.



Locate the physical ports by blinking their status LEDs.

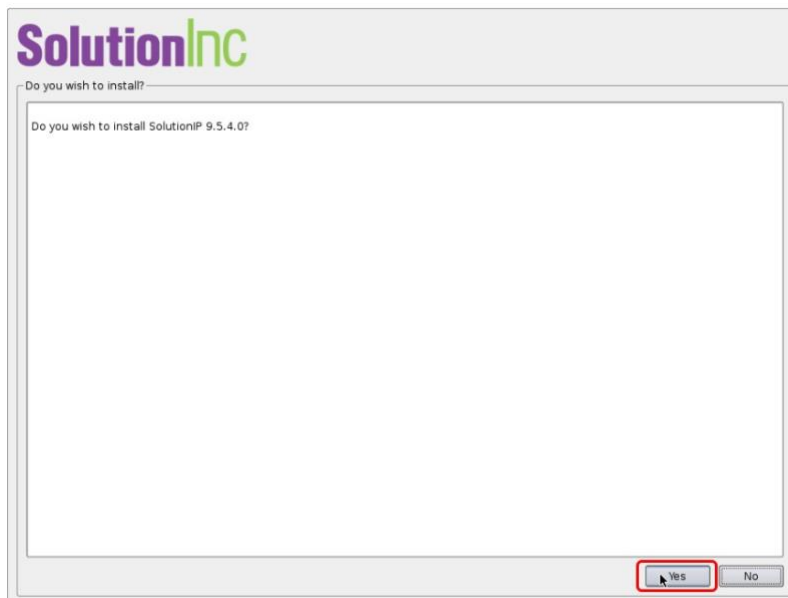


Once all ports are identified, change the order if needed and click **Ok**.

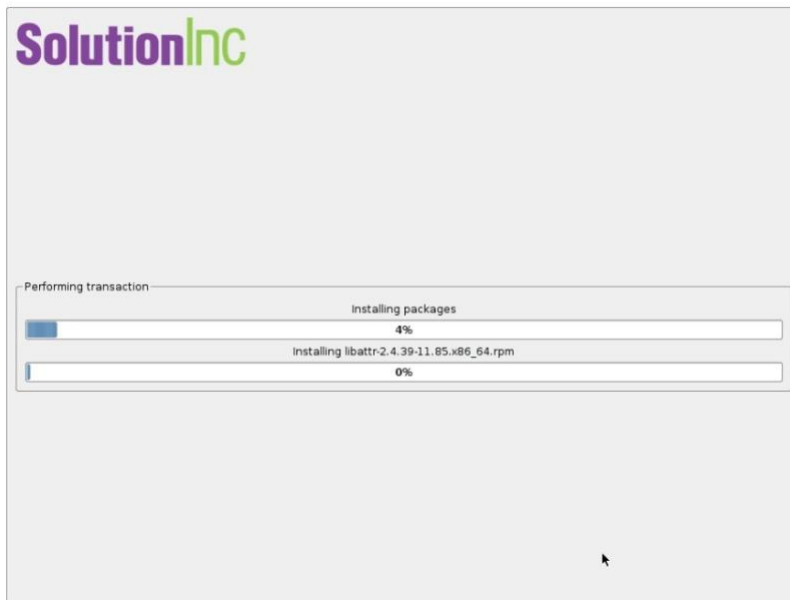


The installer will show a prompt to confirm the installation of SolutionIP FLEX. Click **Yes** to confirm.

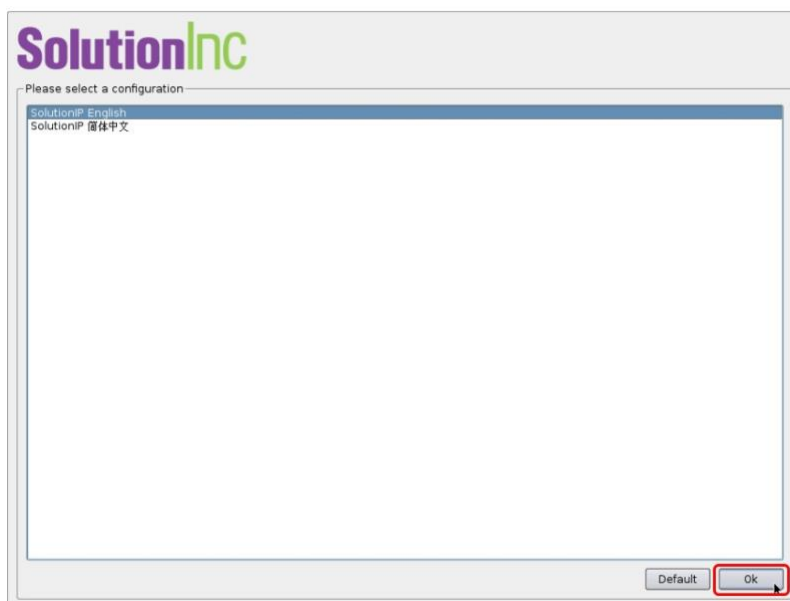
NOTE: The installer will allocate the entire space of the hard drive.



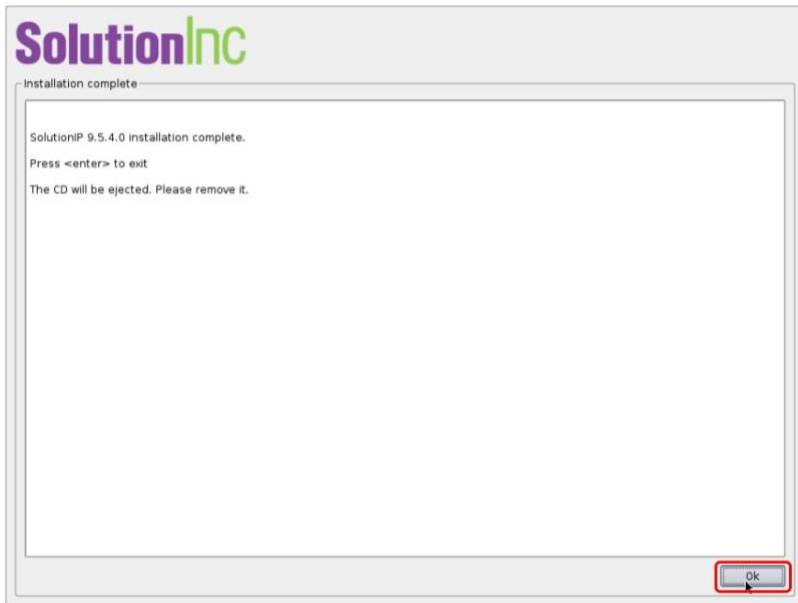
The installation will start and the progress will be displayed.



Select the preferred language (*English* or *Chinese*) and click **OK**.



Once the installation is complete, press **Enter** or click **OK** to reboot the system.



Once the SolutionIP FLEX server has started, the login prompt will be displayed.

The default credentials for login are:

- **Username:** root
- **Password:** rootdefault

```
Finalizing the PostgreSQL database at location /var/lib/postgresql/data
Starting PostgreSQL
Creating database
Creating tables and loading initial data
Starting soln-rdnetlinkd
Starting soln-eu-netlinkd
Starting soln-reporting-netlink
Starting solnrtd daemon
Restoring driver settings
Initialising driver
Loading blocked MACs into driver
Loading reserved UIDs into driver
Setting nocandidates flag
Setting ksoftirqd priority
Starting soln-fled
Starting SolutionIP Packet Filter
Starting Proxynatic
Starting httpd2 (prefork) Starting QoSine daemon
Starting SolutionIP API Service
[ 119.353524] u32 classifier
[ 119.354121] Performance counters on
[ 119.354521] input device check on
[ 119.354906] Actions configured
Starting WWW-proxy squid
Master Resource Control: runlevel 3 has been
Failed services in runlevel 3:
Skipped services in runlevel 3:
newinstall login: _
```

SolutionIP FLEX Interface Assignment

If the WAN network does not provide DHCP, the IP address can be temporarily configured by following the steps below:

7. Edit the **/etc/sysconfig/network/ifcfg-eth1** file and update the following parameters.

```
BOOTPROTO='static'  
STARTMODE='onboot'  
IPADDR='<WAN_STATIC_IP>'  
BROADCAST='<WAN_BROADCAST_IP>'  
NETMASK='<WAN_SUBNET_MASK>'  
NETWORK='<WAN_NETWORK_IP>'
```

8. Save and close the file by typing `[[:wq]]`
9. Restart the network interfaces for these changes to take effect by running `[[rcnetwork restart]]`
10. If required, add the default gateway to gain remote access:
`[[ip route add default via <GATEWAY_IP> dev eth1]]`

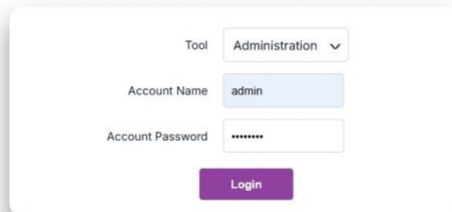
Access SolutionIP FLEX GUI

In a web browser, navigate to https://<FLEX_IP>/admin/

The login page will be displayed. Log in using the default credentials:

- **Account Name:** admin
- **Account Password:** password

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Tool: Administration ▾

Account Name: admin

Account Password: *****

Login

Upon successful login, the system information page will be displayed.

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Product	SolutionIP™ Flex
Version	9.5.4.0
Serial #	Serial number is invalid or has not been configured. Click here to configure
License Limit	3
License	Your server has not been licensed. Click here to configure
CPU	CPU Model: 15.107.1 "QEMU Virtual CPU version 2.5+" Clock Speed: 2500 MHz Cores: 8 (8 logical)
RAM	16 GB

Installation is complete.

You may now continue with the system configuration.