

Security Warning

The Nodegrid Services Router (NSR) provides extensive access to the devices attached to this equipment. As a result, care must be taken to avoid compromising your security policies.

From the factory, this equipment is shipped with the following settings:

- DHCP, SSHv2, HTTPS – ENABLED
- All Serial, USB, SFP+ and switch ports – DISABLED
- Ethernet – ENABLED
- Two default users with passwords:
 - root / root
 - admin / admin

ZPE recommends changing the default passwords of admin and root, as well as carefully configuring security settings immediately after initial setup.

Please consult the NSR User Guide for more information on security settings.

Nodegrid Services Router shown

DC options

Key	Description
A	Power Switch
B	RTN (Return)
C	⏏ (Ground)
D	48 VDC

Single AC + AC PoE option

Single DC + DC PoE option

Dual DC power option

1 Rack mount your NSR

For detailed rack mounting instructions, see the *NSR User Guide*.

2 Connect to your network

Connect a ZPE-recommended CAT 5e or CAT 6 cable from the 10/100/1000BaseT port to your network. You may connect to either or both network ports for redundancy.

3 Connect to the Serial Console port

Using the ZPE's RJ-45 console adaptor,

connect a terminal or workstation to the serial console port on the NSR. The NSR will be configured using a terminal or terminal emulator with session settings of: 115200, 8, N,1, with no flow control.

Alternatively, use the HDMI port.

4 Connect power cables and turn NSR on

Connect the power cables to the appliance. Turn on the power switches.

Note: All remaining manual setup steps are required the first time you configure your NSR.

For manual downloads and support, visit: www.zpesystems.com/document-library/
For further assistance please contact ZPE Technical Support.

Quick Start Guide for Nodegrid Services Router

5 Configure network parameters

NOTE: Skip to **step 6** if you have a DHCP environment. DHCP is the default IP configuration. If no DHCP server is available, please log in to Nodegrid SR via its console or HDMI port using **admin** credentials and configure a static IP address using CLI instructions as follows:

```
[admin@nodegrid /]# cd
settings/network_connections/ETH0/
[admin@nodegrid ETH0]# set ipv4_mode=static
[admin@nodegrid ETH0]# set ipv4_address=10.0.0.10
[admin@nodegrid ETH0]# set ipv4_bitmask=24
[admin@nodegrid ETH0]# set ipv4_gateway=10.0.0.1
[admin@nodegrid ETH0]# show
name: ETH0
type: ethernet
ethernet_interface = eth0
connect_automatically = yes
set_as_primary_connection = yes
enable_ldap = no
ipv4_mode = static
ipv4_address = 10.0.0.10
ipv4_bitmask = 24
ipv4_gateway = 10.0.0.1
ipv4_dns_server =
ipv4_dns_search =
ipv6_mode = address_auto_configuration
ipv6_dns_server =
ipv6_dns_search =
[admin@nodegrid eth0]# commit
[admin@nodegrid eth0]# exit
```

Login as root to change the root password.

6 Configure serial, network & USB devices

Note: Your NSR will respond over the network at **192.168.160.10** if your DHCP server fails or is unavailable.

Note: To check your current IP address, connect to the NSR console port and hit **Enter** at the login prompt until you see the IP address of ETH0 interface.

To configure the NSR for the first time via Network:

a) Open a web browser (HTTP/S) and enter its IP address in the address field. Or start an SSH session to your NSR's IP address.

b) Log in to your NSR as **admin**.

c) Set your NSR basic configuration:

- Security

Security, Services page: Select the desired services and Ports, cryptographic protocols and cipher suite levels. Click *Save* when finished.

Authentication page: add your Remote Authentication servers (AD, LDAP, Tacacs+, Radius and/or Kerberos).

Authorization page: create users groups, set profiles and assign devices

- Network

Network settings tab: Set your desired Network and Interfaces parameters. Click *Save* for each submenu.

- Change Admin Password

At any time, click admin@domain.com in the upper right corner of your screen and click "Change Password" to change your system password.

d) NSR modules

- Serial & USB

Managed Devices, Devices page: Select serial and/or USB ports checkboxes and click "Edit." Set your preferences and click *Save* when finished.

- Ethernet

Network, Switch page: select the interfaces' checkboxes and click on "Edit". Set your preferences and click *Save* when finished.

- Other modules: please refer to the *Nodegrid SR User Guide*.

Congratulations!

Your Nodegrid SR is now configured and ready to accept users and connections to its ports and interfaces.

7 Additional Configuration

NOTE: We recommend that you set up a **new** Administrator account (in *admin* group with full privileges) and use the new account instead of the default *admin* account.

Add New Users

Click *Security* tab, *Local Accounts*, *Add*, set options, *Save*.

Alerts & logging

Set and send alerts by email, SMS, and/or SNMP.

Power

Control network attached PDU power strips and server, network and storage devices.

For advanced configuration options, how-tos and tips please refer to your *Nodegrid SR User Guide*.

8 Get technical updates

To automatically receive future firmware updates and technical information, sign up here:

www.zpesystems.com/loop/