

Nodegrid Platform - Release Notes

Version 6.0.0 Beta Release November 30, 2023

1. Supported Products

- Nodegrid Manager
- Nodegrid Serial Console
- Nodegrid Bold SR
- Nodegrid Gate SR
- Nodegrid Link SR
- Nodegrid Net SR
- Nodegrid Hive SR
- Nodegrid Mini SR

2. Upgrading Instructions

Upgrade methods from Web Interface, CLI, USB, and Network Boot are supported. UEFI mode and Secure Boot must be disabled prior to downgrading to v5.0 or older. Upgrade from v4.x versions is only supported starting at v4.2.4. Upgrade from v3 versions is only supported for NSC devices at v3.2.54 and will erase existing data in /var directory.

3. Software Components Information

Component	Filename	MD5 Checksum
Software ISO	Nodegrid_Platform_v6.0.0_20231128.iso	0843dac84c25c15b921b91c1302cc346
Network Boot	Nodegrid_NetBoot_v6.0.0_20231128.tar.gz	db90dd2e6d2beab56e8a44a56f785097
SNMP MIB	Nodegrid_MIB_v6.0.0_20231128.zip	83847dee6331d0aac042b7954d858d6d

4. Breaking Changes

- Remote access to cluster devices will only work between cluster nodes with Nodegrid OS version v6.0.0 or later
- Removed packages: python2, polkit, cups

5. Security Fixes

- Upgraded hundreds of base open source packages, reducing outstanding CVEs by 304 (4 Low, 136 Medium, 164 High)
- Main open source package versions:
 - Linux kernel 6.1.57
 - OpenSSL 3.0.12
 - OpenSSH 9.3p2
 - Python 3.10.13
 - Apache 2.4.56
 - Docker 24.0.6-ce
 - Firefox 119.0b4
 - OpenSearch 1.2.4
 - NetworkManager 1.32.8
 - NodeJS 16.18.1
 - Ansible 2.9.18
 - Libreswan 4.12

6. New Features and Enhancements

- Remote cluster device access now proxies through cluster peers (including multi-cluster), being able to reach isolated subnetworks
- Integrated UI support for FRR configuration
- Improved UI for wireless modem diagnostics, adding capability to run advanced troubleshooting commands from the UI
- System will drop old sessions and generate events in case the session table becomes full, preventing lock-out
- Masking of possibly sensitive data on Diagnostic Data is now optional

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- User is automatically logged-out of WebUI when session expires
- Added progress bar and improved disk space check for file downloads greater than 1MB from “Local Computer”, such as in software upgrade
- Any interface is now selectable on Firewall Rule UI
- Support for changing Docker data-root location to a different disk or partition in Security :: Services
- Improved “Save Settings” UI to show a list of available backups. Backups are now also accessible via File Manager