README: groov Admin 1.570.51

June 24, 2019. Updated: August 22, 2019.

Questions
If you have questions, see How to Get Help.

Each fixed bug is identified by its bug tracking number. If a tracking number has a KB prefix, click on the link to read a KnowledgeBase article about the issue.

IMPORTANT: If your current version of groov Admin software on a GROOV-AT1 or GROOV-AT1-SNAP is version 1.570.40 or lower, then first install groov Admin software version 1.570.41. After this software is installed, you can upgrade the groov Box to a higher version.
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groov Admin 1.570.51

June 24, 2019. Updated: August 20, 2019.

NOTE: This release applies to GROOV-AR1 boxes only, not to GROOV-AT1.

Enhancements:
Ignition Edge has been upgraded to version 7.9.11. This release removes the 500 tag limit.

Updates were made to maintain security at the most recent levels.

Fixed bugs:
KB86908 Chrome erroneously reports non-secure connection
KB87312 Cannot communicate with groov Admin, groov View and Node-RED on GROOV-AR1; SYS LED continuously blinks green
KB87657 Unable to change the time manually on a groov AR1
KB88063 "How to license Ignition Edge" instructions out-of-date
KB88363 All OPC UA and Allen-Bradley devices disconnect and become unresponsive
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groov Admin 1.570.50

June 27, 2018. Updated June 24, 2019.

NOTE: This release applies to GROOV-AR1 boxes only, not to GROOV-AT1.

Fixed bugs:
KB85550 In *groov* Admin, cannot get PEM/CSR file after uploading CA-signed certificate
KB85901 Uploading SSL certificates to *groov* Box can cause the Box to become unreachable
KB87155 After updating to any Node-RED version between v2 and v4, Node-RED flows stop working
KB84956 Cannot access PEM file after uploading SSL certificate to groov Box
KB84976 groov Admin and groov App disabled after certificate and private key uploaded
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groov Admin 1.570.49

January 22, 2018

NOTE: This release applies to GROOV-AR1 boxes only, not to GROOV-AT1.

Fixed bugs:
KB87061 groov App sometimes incorrectly reports that the project was created in a newer version.

KB87135 Cannot connect to Node-RED, Ignition Edge, or groov View using GROOV-AR1.
KB87139 GROOV-AR1 SYS LED continuously blinks green after powerup, and will not communicate.

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groov Admin 1.570.48

November 14, 2017

NOTE: This release applies to GROOV-AR1 boxes only, not to GROOV-AT1.

Fixed bug:
KB87053 groov Admin 47 update fails.

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groov Admin 1.570.47

November 2, 2017

NOTE: This release applies to GROOV-AR1 boxes only, not to GROOV-AT1.

New Feature:
(Requires a groov Enterprise license.) Now included in your GROOV-AR1 Box is Ignition Edge from Inductive Automation, which includes an OPC UA server with drivers to Allen-Bradley and Siemens PLCs and Modbus devices. You can use this OPC UA data in your groov operator interface without needing an external OPC UA server. In addition, you can publish and subscribe to data using the included MQTT Transmission module. MQTT offers several advantages for Internet of Things (IoT) applications because of its publish/subscribe architecture. You can run the free trial of Ignition Edge for two hours at a time before committing to a groov Enterprise license. For more information, see Chapter 5: "Using Ignition Edge" in the groov Box User's Guide for GROOV AR1.

Fixed bugs:
KB86994 groov Admin update fails if file is renamed.
KB87029 Upgrading groov Admin to newer version may fail with "Cannot Downgrade Groov Admin"

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groov Admin 1.570.46

April 12, 2017

NOTE: This release applies to GROOV-AR1 boxes only, not to GROOV-AT1.

New Feature:
Using a USB-to-serial converter and Node-RED (included in the GROOV-AR1), you can connect RS-232, RS-485, or RS-422 serial devices (2-wire or 4-wire) to the groov Box. Data from connected serial devices can be used in your Node-RED flows, and a flow can place the data in a groov Data Store so you can use it in your groov operator interface. For more information, see Chapter 4: "Using Node-RED" in the groov Box User's Guide for GROOV AR1.

Enhancement:
Some basic groov information (versions and system type) is now shown in the groov Admin login page, so you don't have to be logged in to see it.

Fixed bugs:
KB86656 Node-RED backups done in groov Admin cannot be restored.
KB86531 Restoring groov project may not restore groov Box hostname.

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groov Admin 1.570.45
November 7, 2016

NOTE: This release applies to GROOV-AR1 boxes only, not to GROOV-AT1. Node-RED is included only with GROOV-AR1 boxes, not with the original GROOV-AT1.

Fixed bug:
KB86358 In groov, SSL certificate configuration may cause Node-RED ports to be unresponsive.

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groov Admin 1.570.44
October 24, 2016

NOTE: This release applies to GROOV-AR1 boxes only, not to GROOV-AT1. Node-RED is not included in the original GROOV-AT1 groov Box nor on groov Server for Windows. It is included only with GROOV-AR1 boxes.

New Features:
With this release, GROOV-AR1 groov Boxes include **Node-RED,** an open-source, multi-platform software program that lets you wire together devices, databases, cloud applications, and APIs (application program interfaces) with simple logic flows.

Because Node-RED is included in the groov Box, you do not have to download and install it on a computer or embedded device. You can just log in and start using it. Also included are the two Opto 22 SNAP PAC Node-RED Nodes, which provide either read/write or read-only access to data in SNAP PAC industrial programmable automation controllers. For more information on the SNAP PAC nodes and RESTful API, see developer.opto22.com.

A new tool called **Node-RED Admin** helps you create and debug your Node-RED project, back it up and restore it, and administer security certificates.

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groov Admin 1.570.43
March 29, 2016

Enhancements:
- Security updates
- User interface improvements
- More responsive interface on mobile devices
- Performance improvements

Fixed bugs:
KB84956 Cannot access PEM file after uploading SSL certificate to groov Box
KB85157 Cannot update groov Admin in Edge browser.
KB85549 groov Box cannot be reached by hostname

IMPORTANT: If your current version of groov Admin software on a GROOV-AT1 or GROOV-AT1-SNAP is version 1.570.40 or lower, then first install groov Admin software version 1.570.41. After this software is installed, you can continue and upgrade the groov Box to the current version of groov Admin.

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groov Admin 1.570.42
August 24, 2015

Enhancements:

- Security updates
- Performance improvements

<u>Fixed bugs:</u>
<u>KB84792</u> Firefox browser error occurs when trying to connect to groov.

<u>IMPORTANT:</u> If your current version of groov Admin software on a GROOV-AT1 or GROOV-AT1-SNAP is version 1.570.40 or lower, then first install groov Admin software version 1.570.41. After this software is installed, you can continue and upgrade the groov Box to the current version of groov Admin.

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groov Admin 1.570.41
July 27, 2015

<u>Enhancements:</u>
- Security updates
- Performance improvements

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groov Admin 1.570.40
April 28, 2015

Internal release only.

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groov Admin 1.570.39
March 2, 2015

<u>Enhancements:</u>
- A new hyperlink allows you to automatically extract text for a CSR (Certificate Signing Request).
- groov now has the ability to become a soft Wi-Fi access point when using a GROOV-AR1.
- Upgraded self-signed certificate signature hash to SHA-256.
- Enhanced groov Admin interface with new help links, better feedback, and more security.

<u>Fixed Bug:</u>
<u>KB83668</u> groov Admin upgrades do not work in Internet Explorer 11.

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groov Admin 1.570.38
September 29, 2014

<u>Fixed Bug:</u>
<u>KB84082</u> groov affected by the Shellshock bug.

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groov Admin 1.570.37
August 15, 2014

Internal release only.

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groov Admin 1.570.36
June 24, 2014

Enhancements:
- Quick Start now contains an icon for groov Admin Update.
- The built-in Help has been reorganized and reworded to provide better information. New help topics have been added to several pages.

Fixed Bugs:
KB83292 groov Admin keeps the default username when a login is created.
KB83645 Some groov response times are delayed.
83492 groov App links in groov Admin return HTTPS://NULL when using VPN.

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groov Admin 1.570.35
April 11, 2014

Fixed Bug:
KB83894 groov Box is vulnerable to a man-in-the-middle attack.

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groov Admin 1.570.34
April 11, 2014

Fixed Bug:
KB83762 groov Admin affected by OpenSSL Heartbleed bug.

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groov Admin 1.570.33
November 22, 2013

Fixed Bug:
KB83242 groov Admin Restart button restores groov to the default settings instead of restarting.

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groov Admin 1.570.32
October 28, 2013

Enhancements:
- Groov Admin's performance has been improved.
- On the System Information page "groov version" has been changed to "groov App version."

Fixed Bug:
83342 During setup or when logging into groov Admin after a power failure or using 'hostname:10000' to log in, an SSL error appears.

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groov Admin 1.570.30
September 12, 2013

Fixed Bug:
KB83281 Cannot communicate over Ethernet after restoring the groov Box.

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groov Admin 1.570.29
August 21, 2013

Fixed Bugs:
KB83140 When configuring WLAN on groov Box, spaces in SSID cause Box to become unresponsive.
KB83228 groov Admin SSL error occurs after restoring groov to defaults.

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groov Admin 1.570.28
May 10, 2013

Enhancements:
- A Certificate Signing Request (CSR) is now displayed for any key pairs generated.
- The default SSL certificate expiration has been changed from 10 years to 30 years.
- A restart button is now on the System Information page if a restart is required due to updates.
- A new SSL Certificate is created if groov is restored to the factory state.
- Restoring groov to the factory state ensures firewall configuration is correct.
- The STOR LED blinks red if restoring groov to the factory state fails or if the firewall is misconfigured.

Fixed Bugs:
82685 Restoring groov to the factory state will not change the default hostname to upper case. The hostname will be lower case. Hostnames are not case sensitive.
82908 groov will not restore the groov APP file if it is a earlier version.
KB82937 groov does not display the "Welcome to groov" window and does not restore groov to the default settings.
82953 groov Admin can no longer update to the same or earlier versions.
82956 The SYS & STOR LEDs will not stop blinking before the restore to factory state operation completes.
82996 You no longer have to log in twice.

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groov Admin 1.570.25
April 1, 2013

Fixed Bug:
KB82971
KB82872

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groov Admin 1.570.23
April 1, 2013

Initial release.

How to Get Help

If you have any questions about *groov*, you can call, fax, or e-mail Opto 22 Product Support. Hours are Monday through Friday, 7 a.m. to 5 p.m. Pacific Time.

Phone: 800-TEK-OPTO (800-835-6786) or 951-695-3080

Fax: 951-695-3017

Email: support@opto22.com

Opto 22 website: www.opto22.com

When calling for technical support, be prepared to provide the following information about your system to the Product Support engineer:

- Version information for the *groov* Image, *groov* Admin, and *groov* Build
- A description of your system equipment:
  - Computer CPU type, speed, memory, and operating system
  - Controller model and firmware version
- A description of your Setup and Configuration: how it is connected, the purpose of each device, external connections, and networks
- Specific error messages or other diagnostic indications