

README: Node-RED for groov Box R3

February 15, 2017

The open-source software Node-RED is included in the GROOV-AR1 groov Box. A tool called Node-RED Admin helps you create and debug your Node-RED project, back it up and restore it, and administer security certificates. For information on nodes and more, see developer.opto22.com.

Questions

If you have questions, see [How to Get Help](#).

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Enhancements

Node-RED 0.16.2 - Improves debugging, adds an easier way to locate nodes in a flow, and other enhancements. For details, see the [Node-RED blog](#).

Bug fixes

[KB86540](#) - Node-RED Admin in GROOV-AR1: cannot upload SSL certificates with Firefox

To update to Node-RED for groov Box R3:

1. Make sure you have groov Admin R1.570.44 or higher in your groov Box.
2. Before updating, back up your Node-RED project using Node-RED Admin.
3. Open groov Admin. Click Quick Start and then the Update Node-RED button.
4. Click Choose File, locate the update file, and click Update.
5. Wait while Node-RED is updated, which may take several minutes. Any flows in progress are restarted.

To update SNAP PAC nodes and add Node-RED nodes for groov:

1. In Node-RED, click the hamburger menu in the upper right and choose Manage palette.
2. In the left-hand column, you can see the nodes you have now.
 - SNAP PAC nodes are named node-red-contrib-pac - Details: [SNAP PAC nodes](#)
 - groov nodes are named node-red-contrib-groov - Details: [groov nodes](#)
3. Click the Install tab. Search for the node you want; when it appears, click the install button next to it.

Node-RED for groov Box R2

December 9, 2016

Improves security.

Important: Installation for R2

Node-RED R2 comes in a groov Admin file, so you'll be updating groov Admin.

1. Log into manage.groov.com and download the Node-RED Update file for your groov Box.
2. Log into your groov Box, switch to groov Build, and choose Configure > groov Admin.
3. In the Quick Start menu, click **Update groov Admin**.

The update process may take several minutes. Be patient and don't click away

from this page until you see the success message.

4. When the success message appears, click "Click here to restart now." Wait while the Box restarts. (If you can see the Box, wait until the SYS LED stops flashing.)

NOTE: Your groov Box must be restarted for the update to take effect. While the groov Box is restarting, all of your users will be disconnected, and you will not be able to continue working in groov.

How to Get Help

If you have any questions about using Node-RED in the *groov* Box, see the [groov Box User's Guide](#) (in groov Build, choose Help > groov Box User's Guide). If you don't find the answers there, 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 *groov* and *groov* Admin
- A description of your system equipment:
- Computer CPU type, speed, memory, and operating system
- 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