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**Opto 22 Adds Event Notifications and Lower-cost Options to *groov***

Event-based notifications in new *groov* 3.0 is one of many new features that also include new screen development tools, simulated tag database, and entry level pricing.

**Temecula, CA—April 7, 2015**—Industrial automation manufacturer Opto 22 has announced *groov* 3.0, a significant update that adds event-based email notifications to *groov*, a mobile operator interface system that connects machines, equipment, and control systems with mobile devices like smartphones and tablets. Now, industrial automation end-users, system integrators, machine OEMs, or any authorized person can receive immediate email messages when a connected machine or system needs attention.

**Event Notifications**

A major new feature of *groov* 3.0 is event-based email notifications that can alert selected personnel based on multiple parameters. Email messages can be customized and sent to groups or individuals, and messages can include equipment data, time/date stamps, other key information, and even links back to the *groov* operator interface for one-click access to real-time, visual data for further investigation. For example, if a machine overheats, stops working, or otherwise meets or exceeds one or more predefined criteria that trigger a notification, a maintenance technician can be notified via email or text message, and can click right to the *groov* screen with more data. With email available at almost any time or location thanks to mobile devices like smartphones, email notifications get critical data into the right hands right away.

Additional new features in *groov* 3.0 include an improved *groov* Build interface development environment, where it's easier to position, align, and group on-screen objects. Also new is a Data Simulator feature that provides simulated dynamic values for onscreen gadgets; for instance, a Graph gadget can use a simulator tag that provides changing values for a sine wave, or a gauge can use a simulator tag with an integer moving between high and low values. This feature can help test onscreen gadgets or simulate tags and variables during screen development. For *groov* Free Trial users, evaluating *groov* no longer requires a connection to live machines or systems.

### **Cost-effective Options**

*groov* 3.0 also introduces a new, cost-effective way to select the right *groov* platform for an application. Platform choice depends on how many Modbus/TCP-ready devices or SNAP PAC controllers will be connected to *groov*, and if an OPC UA server will be used. New *groov* platforms are:

- ***groov Solo***—connects to one Modbus/TCP device or one SNAP PAC controller. *groov Solo* is ideal for machine builders and OEMs—who need only one controller or system connection —and offers a new lower price for entry-level customers.
- ***groov Plus***—connects to multiple Modbus/TCP devices and SNAP PAC controllers and is ideal for multi-machine or system applications, or for monitoring and controlling widely dispersed assets.
- ***groov Enterprise***—connects to machines, PLCs, and other equipment and systems that support OPC UA, in addition to multiple Modbus/TCP devices and SNAP PAC controllers.

Applications change, and if more Modbus/TCP devices or SNAP PAC controllers are connected to *groov*, or if an OPC UA server is added to the application, it's easy to quickly upgrade from one *groov* platform to the next.

**What is groov?**

*groov* is a zero-programming, web-based way to build, deploy, and view effective, scalable operator interfaces to monitor and control systems and equipment using mobile devices and other computer-based systems. These operator interfaces can be viewed on almost any mobile device or computer regardless of its manufacturer, operating system, or screen size, including smartphones, tablets, PCs, and even smart high-definition televisions.

For mobile devices like iPhones, iPads, and Android-based smartphones and tablets, a *groov* View app for iOS and Android is available free of charge on the iOS App Store and Google Play Store. The *groov* View app provides a native mobile experience for operator interfaces built with *groov*. These interfaces can also be viewed in the mobile device's built-in web browser.

*groov* can augment existing human-machine interfaces (HMIs) and Supervisory Control and Data Acquisition (SCADA) systems by making important information available to authorized users at any time and in any location. *groov* is available as either the standalone *groov* Box hardware appliance or the PC-based *groov* Server for Windows software.

In addition to Modbus/TCP networking, *groov* supports OPC Unified Architecture (OPC UA) to communicate with a variety of machines and systems on the plant floor, including PLCs, DCSs, PACs, databases, and OPC-DA servers. *groov* also communicates directly with Opto 22 SNAP PAC System controllers.

**Trial Version and Online Demo**

A fully functional version of *groov* Server for Windows is available to download and try so you can see your own system's data on a smartphone, tablet, or other mobile device. The *groov* Free Trial operates for two hours without a license and can be restarted as needed. You can also see *groov* in action immediately and try it yourself with a live online demo available at [groov.com/see-groov-now](http://groov.com/see-groov-now).

**Pricing and Availability**

*groov* 3.0 is available April 22, 2015. *groov* platforms start with either the standalone *groov* Box hardware appliance (GROOV-AR1-BASE) at a list price of \$1295.00 USD or *groov* Server for

Windows software (GROOV-SVR-WIN-BASE) at a list price of \$995.00 USD. To communicate with multiple Modbus/TCP devices or SNAP PAC controllers, move up to *groov* Plus (GROOV-LIC-PLUS) for an additional \$695.00 USD. To communicate with multiple Modbus/TCP devices, SNAP PAC controllers, and machines, equipment, and systems connected via OPC UA, move up to *groov* Enterprise (GROOV-LIC-ENT) for an additional \$1595.00 USD.

Customers who already have *groov* version 2.0 or later and a *groov* maintenance contract can upgrade to *groov* 3.0 free of charge. For more information, contact Opto 22 Pre-Sales at 951-695-3000 or toll free at 800-321-6786, or visit [groov.com](http://groov.com).

### **About Opto 22**

Opto 22 develops and manufactures hardware and software for applications involving industrial automation and control, energy management, remote monitoring, and data acquisition. Designed and made in the U.S.A., Opto 22 products have an established reputation worldwide for ease-of-use, innovation, quality, and reliability. Opto 22 products, including the *groov* mobile operator interface, use standard, commercially available networking and computer technologies, and are used by automation end-users, OEMs, and information technology and operations personnel in over 10,000 installations worldwide. The company was founded in 1974 and is privately held in Temecula, California, U.S.A. Opto 22 products are available through a global network of distributors and system integrators. For more information, contact Opto 22 headquarters at +1-951-695-3000 or visit [www.opto22.com](http://www.opto22.com).

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