



IP Maestro®

Version 3.1.0

Release Notes
August 2025

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Preface

This guide describes the features in IP Maestro.

Audience

The intended audience for this guide is the end-user with access/role/permission to IP Maestro with valid roles that include Network Administrators, Engineers, Operators, and Users.

Conventions

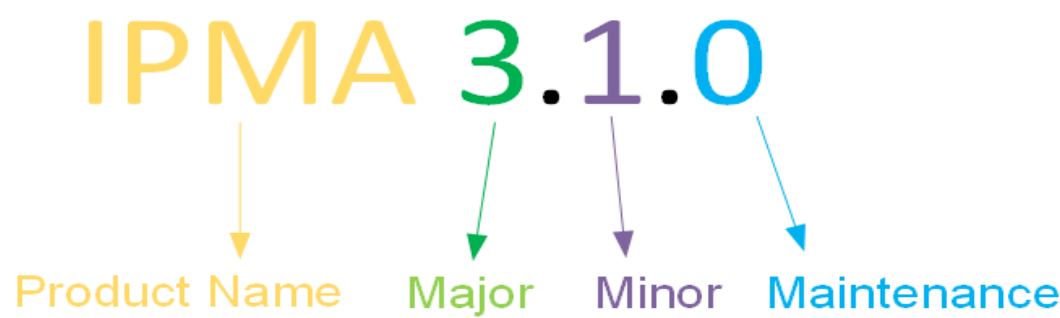
This table shows the conventions used in this guide.

Table 1: Conventions

| Convention | Description |
|------------------------------|--|
| Italics | Emphasized terms or titles of books |
| Note: | Special instructions, suggestions, or warnings |
| <code>monospaced type</code> | Code elements such as commands, parameters, files, and directories |

Product Release Version

IP Maestro maintains a three-digit release version number. Each integer indicates Major, Minor, and Maintenance release versions. Build numbers are for internal tracking and verification of the software build process and are visible to customers as part of the software version number.



Product Name: IP Infusion Product Family.

Major Version: New customer-facing functionality that represents a significant change to the code base; in other words, a significant marketing change or direction in the product.

Minor Version: Enhancements to existing features to address external or internal requirements to satisfy the needs of new sales regions or to support marketing initiatives.

Maintenance Version: Product fixes are released every 30 or 60 days, based on the number of issues being addressed.

Supported OcNOS Version

IP Maestro Release 3.1.0 software is designed to monitor devices running OcNOS-6.3.4-70 and above.

Note: IP Maestro software has been validated and can successfully manage up to 250 OcNOS devices.

Technical Support

IP Infusion maintains an online technical support site that provides various technical support programs for licensed IP Maestro customers and partners at <https://www.ipinfusion.com/support/>

The site allows customers and partners to open technical support calls, update open calls with new information, and review the status of open or closed calls. The password-protected site includes technical documentation, Release Notes, and descriptions of service offerings.

Technical Sales

Contact the IP Infusion sales representative for more information about the IP Maestro solution.

Technical Documentation

For the core User Guide and procedures, visit <https://documentation.ipinfusion.com/home/Content/LibraryPages/ip-maestro/IP-Maestro.htm>.

Comments

If you have comments, or need to report a problem with the content, contact techpubs@ipinfusion.com.

Overview and Supported Features

IP Maestro is a network automation platform that simplifies your network management. Tailored for seamless OcnOS deployments on supported whitebox hardware, it serves service provider and data center networks. The web based interface enables easy control of switches and routers with a point-and-click option. Device Management with the power of Zero Touch Provisioning (ZTP) facilitates both in-band and out-of-band based device setup, ensuring security by implementing role-based access controls.

IP Maestro provides intuitive device monitoring with advanced visualization on Fault, Configuration, Accounting, Performance, and Security (FCAPS). Its data model-driven framework seamlessly integrates with open APIs, ensuring flexibility and efficiency in network management.

Effortlessly manage your network tasks with IP Maestro and transform complexities into simple point-and-click actions. Explore the unmatched capabilities of IP Maestro for your network management needs.

New Features in IP Maestro 3.1.0

The following enhancements are made in this Release:

- **Topology:** The User Interface is provisioned to embed third-party, non-OcnOS devices into the topology view, so that the topology depicts the actual physical network to a large extent. You can add icons in the Topology map to represent third party devices and use links to connect them to OcnOS devices.
- **Fault Management:** Using Application Webhooks, integration with Slack has been enabled. Slack is a cloud based platform which can be used to integrate notifications and alerts with other applications. This enhancement allows you to define a Slack URL for specific users to receive notifications.
- **Bulk Configuration Push:** Schedule device provisioning for Push Configuration with the *Time to Execute* feature, which allows you to schedule a date and time for pushing the configurations.

Supported Features in IP Maestro 3.0

IP Maestro offers several compelling features:

- **Topology:** Discover the network topology effortlessly with a visual map, enabling an intuitive understanding of network elements' connectivity. The Topology toolbar ensures easy manipulation and provides graphical status of managed and user-defined devices, links, and services.
- **Inventory:** Gain a holistic view of physical and logical network resources, services, and topologies. Real-time network inventory coupled with filter functionality allows users to easily navigate and select specific inventory types.
- **Fault Management:** Capture and display alarms from network devices, links, and services. IP Maestro's Fault Management module efficiently processes NETCONF alarms and integrates with Syslog for centralized management and alerts. IP Maestro can be configured to send users an email when critical alarms occur.
- **Performance Monitoring:** Monitor network performance effortlessly with complex or calculated metrics, such as, Key Performance Indicators (KPIs) or Key Quality Indicators (KQIs). Define measurement points, groups, collection intervals, and aggregation intervals for precise and periodic data analysis.
- **Configuration Management:** Manage device configurations with IP Maestro seamlessly. Perform tasks such as downloading software images, creating and deleting configuration files, syncing configurations with the database, and executing configurations on specific devices. Take device configuration backups followed by a `config diff` to see the difference between two configurations.

- **Audit and Logs:** Ensure transparency and accountability through historical logs, including syslog records and command history logs. IP Maestro maintains a detailed account of device activities and implements a role-based user management system with comprehensive auditing logs for accountability.
- **User Management:** Support Role Based Access Control (RBAC) using Lightweight Directory Access Protocol (LDAP) Authentication.
- **Northbound Interface (NBI) Integration using REST APIs** - Benefit from NBI integration, which provides a variety of interfaces and protocols to monitor and configure the network. The REST APIs communicate with the centralized controller to conveniently manage OcNOS devices.
- **Bulk Configuration Push** - Apply configurations on multiple devices using either JSON configuration push or CLI text-based configuration push. Perform operations such as merging, replacing, or deleting configurations using the JSON editor.
- **Tech Support Files Generation** - Generate and download tech-support files for selected OcNOS devices with an option to filter the desired modules. Easily access an archive containing diagnostic information for different protocol modules, hardware tables, running-configuration, Syslog messages, and more.
- **License Enforcement** - Obtain an IP Maestro license by specifying the IP address of a local license server for enhanced security and flexibility. Furthermore, specify the number of devices that can be managed by this instance of IP Maestro.
- **Language Localization** - Benefit from localization by choosing your preferred language at the login screen. IP Maestro offers a unique user experience in English or in Japanese.
- **Streaming Telemetry Support** - Monitor network health efficiently with real-time data from devices using the fundamentals of Streaming Telemetry.
Streaming Telemetry Wildcard support depends on OcNOS Version 6.6.0 for feature availability.