IP Maestro®

Version 2.1

Release Notes

September 2024

IP Infusion Inc. Proprietary

© 2023 - 2024 IP Infusion Inc. All Rights Reserved.

This documentation is subject to change without notice. The software described in this document and this documentation are furnished under a license agreement or nondisclosure agreement. The software and documentation may be used or copied only in accordance with the terms of the applicable agreement. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or any means electronic or mechanical, including photocopying and recording for any purpose other than the purchaser's internal use without the written permission of IP Infusion Inc.

IP Infusion Inc.
3965 Freedom Circle, Suite 200
Santa Clara, CA 95054
+1 408-400-1900
http://www.ipinfusion.com/

For support, questions, or comments via E-mail, contact:
support@ipinfusion.com

Trademarks:
IP Infusion and IP Maestro are trademarks or registered trademarks of IP Infusion. All other trademarks, service marks, registered trademarks, or registered service marks are the property of their respective owners.

Use of certain software included in this equipment is subject to the IP Infusion, Inc. End User License Agreement at http://www.ipinfusion.com/license. By using the equipment, you accept the terms of the End User License Agreement.

Contents

Introduction 4
Overview 4

Key Features 5

About this Release 6
Supported OcNOS Version 6

Product Release Version 7

Introduction

Overview

IP Maestro is a network automation platform that simplifies your network management. Tailored for seamless OcNOS deployments on supported whitebox hardware, it serves both 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 through the implementation of role-based access controls.

IP Maestro provides intuitive device monitoring with advanced Configuration, Fault, Accounting, Performance, Security (FCAPS) visualization. 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.

© 2024 IP Infusion Inc. Proprietary

Key Features

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, providing a graphical overview of device, link, and service statuses.
- **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 navigate and select specific inventory types with ease.
- **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 also has the ability to send out email notification to users on occurrences of critical alarms.
- **Performance Monitoring:** Monitor network performance effortlessly with metrics - Key Performance Indicator (KPI) and calculated/complex metrics - Key Quality Indicator (KQI). 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. Ability to take device configuration backups and then do 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 for comprehensive auditing and implements a role-based user management system with comprehensive auditing logs for accountability.
- **User Management**: Support for Role Based Access Control (RBAC) using Lightweight Directory Access Protocol (LDAP) Authentication.

© 2024 IP Infusion Inc. Proprietary

About this Release

IP Maestro Release 2.1 introduces several significant enhancements. A robust Web User Interface featuring components like Dashboard, Topology and Inventory, this Release showcases additional features and functionality.

Here are the highlights of this release:

- **Email notifications for critical alarms** - Get notified on critical alarms and alerts on registered email.
- **Persistence of user information** - Render the dashboards and other settings based on the user preferences data with easy detection of changes in the persisted data.
- **Role-based access control with LDAP authentication** - Leverage the user federation capabilities of authentication manager to integrate Lightweight Directory Access Protocol (LDAP) and Active Directory (AD) with IP Maestro.
- **Clear interface counters** - Clear inbound/outbound information and reset the values for one or more interfaces.
- **Interface traffic display** - Get a glimpse of the real-time interface traffic load.
- **Database backup** - Secure a backup and restore of the entire Maestro database in the event of a catastrophe.

Supported OcNOS Version

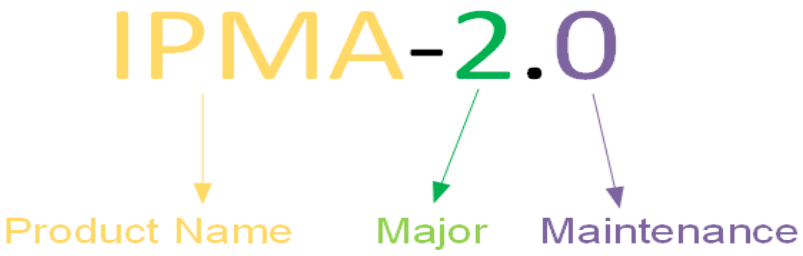
IP Maestro Release 2.1 software is designed to monitor devices running OcNOS-6.3.4-70 and above.

Note: IP Maestro 2.1 has been validated with managing up to 250 OcNOS devices.

© 2024 IP Infusion Inc. Proprietary

Product Release Version

IP Maestro maintains a two-digit release version number. An integer indicates Major 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.

Maintenance Version: Enhancements to existing features to address external or internal requirements to satisfy the needs of new sales regions or to support marketing initiatives. Product fixes that are released every 30 or 60 days, based on the number of issues being addressed.

Technical Support

IP Infusion maintains an online technical support site that provides a variety of 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 Documentation

For the core User Guide and procedures, visit https://www.ipinfusion.com/documentation/ocnos-product-documentation/ip-maestro/.

Technical Sales

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

© 2024 IP Infusion Inc. Proprietary