

January 2017

iPrism 8.1 introduces new features including a redesigned Reports Manager and Real-Time Monitor, Pro-active exception handling as well as functional enhancements and bug fixes.

Applicable Appliances

G-series appliances: 35g, 75g, 150g, 500g, 1000g, 1000gR2

H-series appliances: *15h, 25h, 35h, 55h, 105h, ***500h

Please note:

* The 15h will require additional memory. Please contact your sales representative for more details.

** If upgrading an h-series appliance from 7.xx please refer to the iPrism Documentation Website for upgrade instructions.

*** The 500h will require a setting change on the motherboard. Please refer to the iPrism Documentation Website for upgrade instructions.

Major Changes since the 8.001 release

- Improved reporting system that no longer requires Java
- Added support for 15H and 25H iPrism platforms
- VLAN Trunk support has been re-implemented
- TLS/SSL decryption interoperability and exception handling improvements
- Central management that propagates changes to all participants in parallel and no longer requires direct master/slave connectivity
- New real-time traffic monitor implementation
- Improved ability to manage and create overrides
- Graphical dashboard of the most commonly requested charts
- On-box storage of report results
- URL regex and keyword searching for reports
- New hotfix manager
- Network fields now support CIDR notation
- Faster UI load times (up to 5x)
- Syslog support for both TCP and UDP with improved filtering controls
- Captcha support for request access page
- Improved handling of certificates used for iPrism management
- New ability to add/revoke CA certificates
- Re-architecture of user authentication and profile system

Other Changes

- Improvements in scheduled reboot function
- Real-time-monitor now correctly displays warned pages
- Both hotfix manager and reports manager directly launch now rather than requiring an intermediary acknowledgement
- External networks are now supported. These networks always require authentication despite exceptions which may state otherwise
- A new CA-Certificate manager has been added, which allows for including new CA-Certificates or disabling old ones.
- On-box storage of reports replaces prior FTP export capability
- We now support URL regex searching and search keywords
- Days of week are now a valid report criteria
- New real-time monitor privilege allows roles to be granted access to RTM
- All new central management mechanism allows slaves/clients that cannot talk directly to each other to participate

- Central management now shares the CA-Certificate amongst peers when set in “everything” or “system” sharing profile.
- Load times for UI are substantially faster in 8.1 (up to 5x faster)
- It is now possible to place the main network interface on a tagged vlan, thereby allowing iPrism to function in networks that do not have an untagged network.
- iPrisms local management certificate can optionally be signed by the embedded CA-Certificate for ease of deployment. The default is still to use a self-signed certificate.
- In all ordered lists in the UI, we can now select a top/bottom button to move the selected item to the top or bottom of the list
- Console configuration has been improved and the network setup function includes DNS and VLAN processing now
- New About section in console configuration menu
- SSL inspection categories now default to NONE. Users must explicitly select categories to inspect.
- iPrism now warns the administrator with a UI dialog when the license key expiration date is getting close
- Hotfixes, Data updates and IARP submissions are now implemented through an all-new AWS architecture
- SSLv2 support has been officially ended for iPrism. It will not operate with browsers or web sites that can only perform SSLv2 https.
- Syslog export has returned and has improved control to determine which events are exported based on category. It also supports both TCP and UDP and port selection.
- DNS Server UI component has been simplified and is now a required field
- There is an improved internal logging subsystem that should improve performance and reduce the possibility of filling up partitions
- SSH no longer listens to internal or external interfaces unless developer mode access has been enabled
- SMTP can now be configured with an outbound From Address, and the domain of this address will be utilized in the HELO exchange.
- Custom filters have been improved to support additional more common video extensions.
- Admin can now elect to support unrecognized protocols over standard (http/https) ports.
- TLSv1 and TLSv1.1 are no longer supported on the web configuration interface
- We have improved the security algorithms of the iPrism SSL service used for support tunnels
- The 8.1 filter list format includes additional data feeds for malicious and phishing urls from our partners

Noteworthy

- Upgrades available from version 7.110 and on. Prior version configuration files are not accepted and must be re-implemented.
- Limited the number of categories that can be assigned to a url now to 5, and dynamically detected categories can no longer be selected when rating a URL
- Backup file format has changed in 8.1, and 8.1 backup files are not compatible with older devices. Backup formats from 7.110 are recognized and processed by 8.1
- License expiration processing has returned, iPrism will follow the system failover mode when it has exceeded the license expiration date.
- Network hardening option has been permanently integrated into iPrism and is no longer a selectable feature
- The last vestiges of BSD 5 have been removed, and iPrism is now 100% native Debian Linux based.