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 be 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.