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ExtremeGuest Gateway Release 10.757

Release Notes v1.0

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Document history

Version	Summary of changes	Publication date
1.0	Initial Release for ExtremeGuest Gateway	June 2019

Preface

Contacting Extreme Technical Support

As an Extreme customer, you can contact Extreme Technical Support using one of the following methods: 24x7 online or by telephone. OEM customers should contact their OEM/solution provider.

If you require assistance, contact Extreme Networks using one of the following methods:

- GTAC (Global Technical Assistance Center) for immediate support
- Phone: 1-800-998-2408 (toll-free in U.S. and Canada) or +1 408-579-2826. For the support phone number in your country, visit: www.extremenetworks.com/support/contact.
- Email: support@extremenetworks.com. To expedite your message, enter the product name or model number in the subject line.
- GTAC Knowledge - Get on-demand and tested resolutions from the GTAC Knowledgebase or create a help case if you need more guidance.
- The Hub - A forum for Extreme customers to connect with one another, get questions answered, share ideas and feedback, and get problems solved. This community is monitored by Extreme Networks employees but is not intended to replace specific guidance from GTAC.
- Support Portal - Manage cases, downloads, service contracts, product licensing, and training and certifications.

Before contacting Extreme Networks for technical support, have the following information ready:

- Your Extreme Networks service contract number and/or serial numbers for all involved Extreme Networks products
- A description of the failure
- A description of any action(s) already taken to resolve the problem
- A description of your network environment (such as layout, cable type, other relevant environmental information)
- Network load at the time of trouble (if known)
- The device history (for example, if you have returned the device before, or if this is a recurring problem)
- Any related RMA (Return Material Authorization) numbers

Extreme resources

Visit the Extreme website to locate related documentation for your product and additional Extreme resources.

White papers, data sheets, and the most recent versions of Extreme software and hardware manuals are available at www.extremenetworks.com. Product documentation for all supported releases is available to registered users at www.extremenetworks.com/support/documentation.

Document feedback

Quality is our first concern at Extreme, and we have made every effort to ensure the accuracy and completeness of this document. However, if you find an error or an omission, or you think that a topic needs further development, we want to hear from you.

You can provide feedback in two ways:

- Use our online feedback form at <http://www.extremenetworks.com/documentation-feedback-pdf/>
- Email us at internalinfodev@extremenetworks.com

Provide the publication title, part number, and as much detail as possible, including the topic heading and page number if applicable, as well as your suggestions for improvement.

Overview

Extreme Networks® is pleased to introduce ExtremeGuest Gateway (XGG).

ExtremeGuest Gateway revolutionizes the user experience by providing personal secure and contained networks. The ExtremeGuest Gateway is deployed between a wired and/or wireless distribution infrastructure and the Internet. The software application is distributed for installing on bare metal customer provided appliance or as a Virtual Appliance on VMware ESXi .

The new application connects users on the local area network to the Internet while applying policies and services to the inline sessions of the users. A strong capability of the product is providing secure segmented networks. For example, a hotel would like to provide Internet access to its guests so that all guests in each room will be on a secure and segregated network with a limited (configurable) number of devices. The guest access is provided through a single SSID throughout the hotel premise. Guests in room 101 will have Internet access to 5 devices throughout the premise of the hotel and they will all connect through the same SSID. One guest of room 101 may be in the room, while the other family member of room 101 may be in the swimming pool, but they both are still on same secure and segmented network isolated and protected from all other guests of the hotel. Furthermore, different guests may have different level of services such as premium paid services (increased upload/download speed or increased data quota of upload/download) compared to free limited services.

The XGG application integrates with a multitude of PMS (Property Management Systems) typically required by customers for providing network and billing services to guests.

Furthermore, the application has strong abilities when Wi-Fi access monetization and back billing is a requirement. The product supports monetization based on advertisements, premium network services use etc.

The ExtremeGuest Gateway application is available based on Right-To-Use (RTU) term licenses in one, three, and five terms. The RTU license includes the sun GTAC support and upgrade insurance for the ExtremeGuest Gateway application.

ExtremeGuest Gateway Right-to-Use (RTU) SKUs

Part Number	Product Description
XGG-SUL-100-EW-1YR	ExtremeGuest Gateway Application 100 SULs Right-to-Use (RTU) Term License 1YR. Includes ExtremeWorks Support (24x7x365 TAC and eSupport)
XGG-SUL-100-EWP-1YR	ExtremeGuest Gateway Application 100 SULs Right-to-Use (RTU) Term License 1YR. Includes ExtremeWorks Premier Support (24x7x365 TAC and eSupport)
XGG-SUL-100-PW-1YR	ExtremeGuest Gateway Application 100 SULs Right-to-Use (RTU) Term License 1YR. Includes PartnerWorks Support (24x7x365 TAC and eSupport)
XGG-SUL-1K-EW-1YR	ExtremeGuest Gateway Application 1K SULs Right-to-Use (RTU) Term License 1YR. Includes ExtremeWorks Support (24x7x365 TAC and eSupport)
XGG-SUL-1K-EWP-1YR	ExtremeGuest Gateway Application 1K SULs Right-to-Use (RTU) Term License 1YR. Includes ExtremeWorks Premier Support (24x7x365 TAC and eSupport)
XGG-SUL-1K-PW-1YR	ExtremeGuest Gateway Application 1K SULs Right-to-Use (RTU) Term License 1YR. Includes PartnerWorks Support (24x7x365 TAC and eSupport)
XGG-SUL-100-EW-3YR	ExtremeGuest Gateway Application 100 SULs Right-to-Use (RTU) Term License 3YR. Includes ExtremeWorks Support (24x7x365 TAC and eSupport)
XGG-SUL-100-EWP-3YR	ExtremeGuest Gateway Application 100 SULs Right-to-Use (RTU) Term License 3YR. Includes ExtremeWorks Premier Support (24x7x365 TAC and eSupport)
XGG-SUL-100-PW-3YR	ExtremeGuest Gateway Application 100 SULs Right-to-Use (RTU) Term License 3YR. Includes PartnerWorks Support (24x7x365 TAC and eSupport)
XGG-SUL-1K-EW-3YR	ExtremeGuest Gateway Application 1K SULs Right-to-Use (RTU) Term License 3YR. Includes ExtremeWorks Support (24x7x365 TAC and eSupport)
XGG-SUL-1K-EWP-3YR	ExtremeGuest Gateway Application 1K SULs Right-to-Use (RTU) Term License 3YR. Includes ExtremeWorks Premier Support (24x7x365 TAC and eSupport)
XGG-SUL-1K-PW-3YR	ExtremeGuest Gateway Application 1K SULs Right-to-Use (RTU) Term License 3YR. Includes PartnerWorks Support (24x7x365 TAC and eSupport)
XGG-SUL-100-EW-5YR	ExtremeGuest Gateway Application 100 SULs Right-to-Use (RTU) Term License 5YR. Includes ExtremeWorks Support (24x7x365 TAC and eSupport)
XGG-SUL-100-EWP-5YR	ExtremeGuest Gateway Application 100 SULs Right-to-Use (RTU) Term License 5YR. Includes ExtremeWorks Premier Support (24x7x365 TAC and eSupport)
XGG-SUL-100-PW-5YR	ExtremeGuest Gateway Application 100 SULs Right-to-Use (RTU) Term License 5YR. Includes PartnerWorks Support (24x7x365 TAC and eSupport)
XGG-SUL-1K-EW-5YR	ExtremeGuest Gateway Application 1K SULs Right-to-Use (RTU) Term License 5YR. Includes ExtremeWorks Premier Support (24x7x365 TAC and eSupport)
XGG-SUL-1K-EWP-5YR	ExtremeGuest Gateway Application 1K SULs Right-to-Use (RTU) Term License 5YR. Includes ExtremeWorks Premier Support (24x7x365 TAC and eSupport)
XGG-SUL-1K-PW-5YR	ExtremeGuest Gateway Application 1K SULs Right-to-Use (RTU) Term License 5YR. Includes PartnerWorks Support (24x7x365 TAC and eSupport)

Application Notes

Wildcard DNS Targets

- Add the ability to classify network traffic based on DNS wildcards.
- *WAN Target* definitions now support wildcard domain patterns. A pattern is a typical shell-style glob, where primarily * is supported to match any or no characters. The typical *.domain.com and foo.*.domain.com wildcards are supported.
- Wildcard *WAN Targets* enable the operator to easily distinguish between different network *Applications* based on destination domain name. The wildcards work wherever a *WAN Target* can be used, including *Connection Triggers*, *Application Filters*, *Bandwidth Queues*, *Splash Portal* whitelists, etc.
- *Connections* are now classified into *Applications* by utilizing the domain wildcards configured in an *Application's WAN Target*. This facilitates reporting against services engaged by an end-user.
- The *WAN Targets* scaffold show action now contains two new columns: *Matching Domains* and *Matching IPs*, which list all domain names and IPs matching the configured wildcard pattern(s), as currently known to the local DNS cache. This is a simple way to "test" configured wildcards after updating a record.
- The default *WAN Target* and *Application* definitions have been extended and updated to only use wildcards. Clicking the Create Defaults link in both scaffolds will recreate the new defaults with wildcards.
- The *Application Usage* dashboard pie chart has been changed to display *Application* name instead of TCP/UDP service port.

DNS Queries and Cache Instrumentation

- A new *DNS Query Logs* archive scaffold gives the operator historical visibility into all end-user DNS requests.
- A new *DNS Cache Records* instrument scaffold shows the current state of the DNS server's query cache. Each entry represents a unique name + type + data combination.
- DNS cache and query records are purged on a regular basis via new *Database Purger* options.
- A new Flush All button in the *DNS Cache Records* scaffold flushes the DNS server's query cache.
- The Archives->DHCP Logs view of the web admin console has been renamed to *DHCP • DNS* and includes the new *DHCP Query Logs* scaffold.
- The Instruments->ARP and Instruments->DHCP views of the web admin console have been consolidated into a new *ARP • DHCP • DNS* view, which includes the new *DHCP Cache Records* scaffold.

Network Topology Instrumentation and Layout Diagrams

- Monitored Infrastructure Devices now scan the LLDP neighbor table of supported switches to instrument the physical topology of the network and learn about connection relationships.
- The *Network Dashboard* now contains a carousel of new physical topology diagrams, as well as the old logical network diagram.
- Clicking a device node within the diagram yields a new diagram containing only devices connected to it.
- The *Network Dashboard* diagram UI is now zoomable, pannable and resizable via controls within each carousel item.
- The operator may select a different diagram layout engine from a dropdown menu. Depending on the number of elements in the diagram and how they are connected, different layout engines will yield better results for certain scenarios.

Custom Dashboard Enhancements

- Add seven new instrument dialogs for wired and wireless infrastructure custom dashboards.
 - Operational APs by Zone (gauge, progress bar, pie chart)
 - Offline Access Point Detail
 - Switch Status Summary (gauge, pie chart)
 - Offline Switch Detail
- Add the ability to create a divider widget.

General Improvements

- Add [Extreme Networks EXOS Switch](#) as a supported Infrastructure Device switch option.
- Instrument *Switch Port* link speed so the operator may see which ports are up/down.
- *DNS Content Filters* may now be configured to redirect requests to the Captive Portal with an A or CNAME response, instead of outright rejecting or ignoring a query.
- Add the ability to configure a *Log Hits Trigger* based on DNS query rate.
- Numerous improvements to *Infrastructure Device* wired and wireless management user interfaces.
- Many improvements to *Extreme Networks* Infrastructure Device integrations.
- The Archives->Packet Analyzer instrument view of the web admin console has been renamed to *Utilities*, which now includes basic ping and traceroute tools.
- Add a refresh icon to all configuration scaffolds, which reloads its contents without having to refresh the entire view.
- Add the `no_post` field as a possible *PMS Guest Match* option.
- Reduce *Connections Trigger* minimum legal max connections count to 1 instead of 10, which permits simple detection of an end-user visiting a configured *Application*.

Software upgrade and downgrade

This is the first release of Extreme Network XGG product. No software upgrade is available.

Image file names

Download the following images from www.extremenetworks.com.

Image file name	Description
12.0-RELEASE-p3-amd64-rxg-10.757.img	The .img file is for bare metal installation.
12.0-RELEASE-p3-amd64-rxg-10.757.iso	The .iso file is for burning to DVD-R and virtual machine infrastructures.

Upgrade and downgrade considerations

n/a

Limitations and restrictions

None known at this time.

Software Defects

None known at this time.