

Release Notes



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Operating Requirements

Hardware Requirements

To run Foreseer, you'll need a server class machine with

- A minimum of two quad-core processors
- 16 GB of RAM
- 100 GB of free drive space.

Supported Operating Systems

Windows Desktop Operating Systems	Message Manager	Outpost
Windows 10 Professional, x64	X	X
Windows 10 Enterprise, x64	X	X

Windows Server Operating Systems	Server & Message Manager
Windows Server 2012 R2 Std	X
Windows Server 2012 R2 Datacenter	X
Windows Server 2016	X
Windows Server 2019	X

Supported Database Platforms

- SQL Server 2012 Express w/ Advanced Services, Standard, Enterprise, Enterprise Core, SP2
- SQL Server 2014 Express w/ Advanced Services, Standard, Enterprise
- SQL Server 2016 Express w/ Advanced Services, Standard, Enterprise
- SQL Server 2017 Express w/ Advanced Services, Standard, Enterprise

Supported Browsers

Applications	IE 11	Edge	Chrome	Safari	IPAD
WebConfig	11.1451.16299.0	44.17763.831.0	78.0.3904.97	V12.0.3 (14606.4.5)	Not Supported
WebAdmin	11.1451.16299.0	44.17763.831.0	78.0.3904.97	V12.0.3 (14606.4.5)	V12.3.1
WebViews	11.1451.16299.0	44.17763.831.0	78.0.3904.97	V12.0.3 (14606.4.5)	V12.3.1

New Features

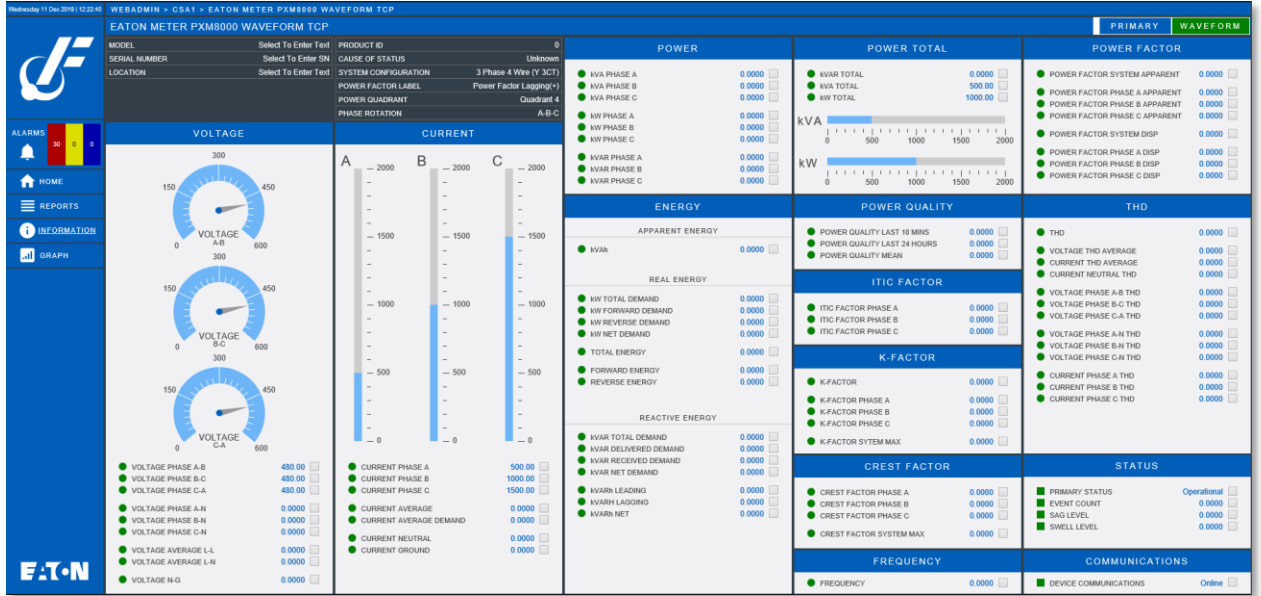
Cybersecurity Updates

Foreseer 7.2 has the following cybersecurity updates:

- Apache 2.4.41 that addresses many security issues
- TLS 1.2 for SQL Server connection
- OpenSSL 1.1.1 with TLS 1.3 support
- TLS 1.2 Web server support
- Updated Python to version 3.8

New User Interface Templates

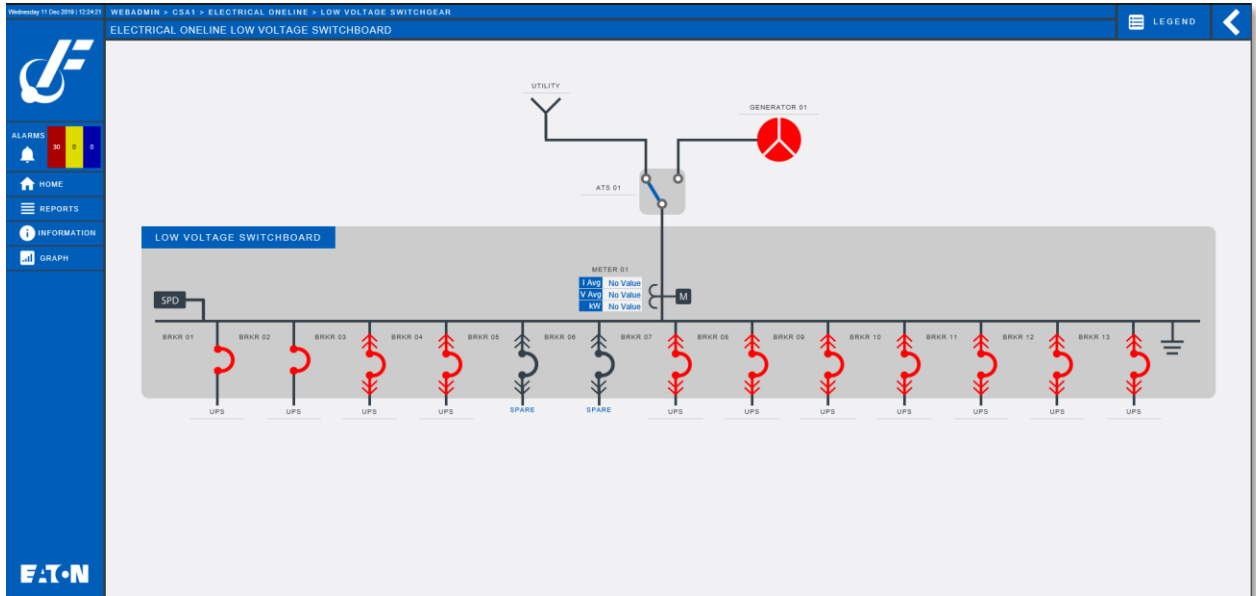
This release includes new Foreseer Flat 2.0 WebViews templates designed to improve the user interface for a more updated, modern look and feel. Examples of this new interface include:



Device View



Floorplan



Oneline

Alarm Group Name Property

Create enhanced user fields for alarm notification, filtering, grouping, and sorting.

- Foreseer now can set an Alarm Group Name property through the Install from List functionality using Web Config. This includes the ability to set or change Alarm Group Name properties for multiple devices with a CSV formatted file.

Alarm Management Sorting and Filtering

Enhance the current Alarm Management Screen to provide more robust sorting and filtering options.

- Foreseer now adds an optional setting in the Alarm Management Screen to connect Alarm Management with the WebViews Folder Tree defined in the server.
- The user can add a Device Type Property to the Alarm Management Screen.
- Add the ability to Add Device Type as a new column in the Alarm Management window
- Simplify the Alarm Filter feature by moving filtering directly to the Alarm Management screen.

Alarm Management User Profile

Enhance the user experience by providing users a method to save and retrieve alarm management customization for filtering, sorting, and column display.

- User profile will contain configuration information for Alarm Management Settings.
- User will be able to save the profiles to a custom user profile file.
- User will have the option to designate the profile as his or her default profile.
- User will be able to load a saved profile from any WebViews/WebConfig session connected active for the server where the profile was saved.

Audible Alarms Notifications

Enhance audible alarm notification to provide more user customization of audible alarm notification. Originally located in the style_ie.css file, these have been moved into WebConfig.

Audible alarm notifications utilize the alarm.mp3 file found in the WWW\Support\Sounds directory. You may use your own custom .mp3 and .wav files for individual alarm priority levels. Please refer to the Web Configuration Guide - MN152050EN for more information.

Device Location Property

The Device Location property is a string-based property. It will be displayed in a separate column in the Alarm View and will allow filtering/sorting based on the property. This property can be seen using WebConfig.

- Device location will be an informational property. It is not a mandatory property for device installation, or any other changes related to device functionality.

Device Type Property

The Device Type property is a string-based property. This framework is required for additional development required to support the alarm filtering and sorting. This property can be seen using WebConfig.

- The property will not be a required property.
- There will be four methods for setting the property. See the help document for more details

Navigation from Alarm Management to Alarm WebView

Users can navigate to the channel located in the WebViews folder/tree by selecting any alarm from the Alarm Management window using the Open in WebViews option from the menu or the alarm details dialog.

Issues Resolved

Defect	Description
FOR-115	Foreseer V7 Persistent issue
FOR-145	Message Manager 5.5 stops sending notifications
FOR-393	Procedural - ensure that only TLS 1.2 is used with WebViews
FOR-407	Checkboxes rendering in Chrome differently than IE/Edge, some render with sizes off by a few pixels
FOR-503	Phasor for PXM incorrect
FOR-504	enableDevice() and disableDevice() UDE functions cause Foreseer to log audit entries on each scan interval
FOR-505	Certain special characters from UDEs can cause audit history reports to spin out of control
FOR-508	Multiple Graph widgets landed on a WebView will not display data when called
FOR-583	v7.1 Fix Tree issue
FOR-649	False watchdog alarm in log file
FOR-663	TLS1.2 support for SQL connection encryption
FOR-739	DAE loses connection to Primary or Redundant
FOR-740	Issue identified that the target web site is using Bootstrap and detected that it is out of date.
FOR-741	Identified a cookie not marked as secure and transmitted over HTTPS.
FOR-742	Identified a cookie not marked as secure and transmitted over HTTPS.
FOR-744	Need 6-ModBus2.dll built for v6.4 and v7
FOR-747	Checkboxes rendering double-overlaid (one on top of another) on macOS
FOR-748	Newly dropped checkbox sizes differ from upgraded previous ones
FOR-752	WebViews Folder Buttons lose transparency when upgrading from v6.3.172 to v7.x
FOR-818	Channel Message Settings for a remote channel does not persist
FOR-984	Schedule ARQ Backups taking hours to complete on systems with nearly 4000 devices
FOR-1121	CM4000 waveform issue
FOR-1122	Driver - CH-EMINTClient.dll for v7.1 not retrieving DT1150 Values
FOR-1217	Documentation for PXSrightAppAdmin and PXSauthAPPADMIN
FOR-1224	Excessive .sess files in WWW\React folder

FOR-1228	PXM2280/2290 waveform download
FOR-1230	Foreseer v7.1.180 WebAdmin bug

Known Issues

Defect	Description
FOR-2060	Stock style.ie comments refer to the color Purple for "Value 5", but uses a color closer to a base blue hex color (0x0000ff)
FOR-2059	In Foreseer Graph's Add Channel feature, performing a ctrl + click to de-select an already selected channel will not work. Close the Add Channel window and re-launch and select the needed channels.
FOR-2057	Using short cut keys (tab + enter) on alarm management filter opens the multiple columns filter.
FOR-2053	Chrome Specific - Graph Cursor doesn't show any value in the graph canvas
FOR-2039	The use of the Tab key in the Alarm Management window with filtering enabled may not produce navigable results.
FOR-2034	Alarm Management - User Profile-sessions not getting updated
FOR-2032	Applying changes to Device Location, Alarm Group, or Device Type properties while Alarm Management window is open requires refresh to see such changes.
FOR-2028	Alarm Management 7.2 Filter - Acknowledge keyword is not listed in the state filter immediately when alarms are acknowledged.
FOR-1928	Alarm Management - values in columns are sorted by order of string.
FOR-1924	WebConfig - Channel Panel - Previous channel value is persisted when the value is set to blank and channel displays "No Value". This is for a Text channel only.
FOR-1923	Alarm management 7.2- User Profile- If user is upgraded in browser than the user profile module should show the current user's profiles
FOR-1883	Intermittent issue where Alarm Filter icon becomes invisible while performing toggle operation in Edge browser environments.
FOR-1878	Alarm Management in Internet Explorer and Edge - Only one alarm window can be opened even when 2 different URLs are accessed.
FOR-1796	Open in WebView functionality from Alarm Details not working on Safari and iPad
FOR-1795	Chrome and Safari browsers - When logged into WebViews with no authentication enabled in Foreseer (PXSauthNONE), the audible alarm notification will not play until the user initially interacts with the environment. This behavior is the result of browsers modifying their auto-play policies for media.
FOR-1698	A descriptive error message should display when browser cookies are disabled, and the user tries to open WebAdmin/WebConfig/WebViews
FOR-2052	When the automatically silence alarm properties is disabled,

	WebViews will switch to a sound even for an alarm with lower priority compared to threshold.
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Third Party License

OpenSSL

This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (<https://www.openssl.org/>)

Apache

This product includes software developed by the Apache for use in the Apache HTTP Server (https://httpd.apache.org/ABOUT_APACHE.html)

Python

This product includes software developed by the Python Software Foundation (<https://www.python.org/about/>)

Zlib

This product includes software developed by the Zlib project. (https://www.zlib.net/zlib_license.html)

Release Notes - Foreseer 7.2.210

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