



FORUM SYSTEMS RELEASE NOTES

FORUM SENTRY VERSION 9.1

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Forum Systems Release Notes, September 24, 2021

D-ASF-SE-015453

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Forum Systems Sentry Release Notes
Version 9.1.97
September 24, 2021

1. Installation / Upgrade Documentation and Technical Support

Please refer to the following documents which will assist in the installation of the Forum Sentry hardware appliance, virtual appliance, AMI, and software deployments:

- [FS_Sentry_V9.1_Hardware_Installation_Guide](#)
- [FS_Sentry_V9.1_Software_Installation_Guide](#)
- [FS_Sentry_V9.1_Quick_Start_Guide](#)
- [FS_Sentry_V9.1_VMware_VirtualOS_Installation_Guide](#)
- [FS_Sentry_V9.1_Amazon_AMI_Installation_Guide](#)

The Full PDF documentation, including the documents mentioned above, can be found here:

[Forum Systems Support Help Desk](#)

1.1 Upgrade Instructions

The full upgrade instructions for each Forum Sentry form factor are located here:

[Upgrading Forum Sentry](#)

1.2 Technical Support

Online Knowledgebase and Help Desk

Visit the Forum Systems Support Help Desk site for documentation, FAQs, best practice guides, and to open Help Desk tickets:

[Forum Systems Support Help Desk](#)

Registration is required for full KB access.

Forum Systems Support Contact Info:

Email: support@forumsys.com

US Toll Free: 1-888-811-0060 option 2

UK Toll Free: 0870-820-0350 option 2

International: +1-781-791-7510 option 2

2. Minimum Requirements

2.1 Requirements for the Forum Sentry Non-Hardware Instances

The minimum requirements for all non-hardware Sentry instances are now consolidated and located in the online Knowledge Base article linked below.

[Forum Sentry Minimum Requirements](#)

3. Known Issues / Important Changes

[See section 4.1 for all changes related to this specific release](#)

3.1 Version 9 Important Changes (Please Review)

9.1.97

- New Scheduler feature allows for scheduling API calls generated by Sentry

9.1.81

- Distributed caching via NFS is now available in Sentry.
- Support for creating JWTs (OAuth IdP policies) and verifying JWTs (UIDAC task) is now available in Sentry.
- Enhancements to the Query Database task allow for easier variable substitution.
- There is a new potential breaking change to the Sentry REST API. The Import operation for FSG files now requires a new parameter “removeOrphans” set as either true or false.

9.1.47

- A new Global Variables features allows for parameterizing fields within Sentry policies to simplify policy promotion across environments.
- Support for the PostgreSQL Database has been added (new Data Source type).
- Support added for processing Cobol Copybook payloads.
- Removes the ‘Block Encrypted Archives’ option from the onboard ClamAV engine.

9.1.22

- The maximum CPU cores and memory limits have been increased for the Sentry virtual instances (OVA, AMI, Azure, and software) to 12 cores and 64GB respectively.
- A new 9.1 OVA for the ForumOS Virtual Appliance is available for download.

9.1 (all)

All non-hardware instances of Forum Sentry (including software, virtual appliance, and AMI) will require a v9 license or a Flex license to upgrade to v9.1. Please contact [Forum Systems Support](#) to obtain the necessary license before upgrading.

- The Forum API DevPortal is now available with the release of Forum Sentry v9.1. Please contact [Forum Systems Support](#) or your Account Manager for more information.
- The Forum Sentry PortalAPI is now available for communication with the Forum API DevPortal
- A new AI Log includes important runtime logging events and latency timing metrics condensed into a single line format which can be easily supplied to SIEM and Machine Learning engines
- New OpenAPI Content Policies allows for simple policy configurations via OpenAPI document upload
- Forum Sentry now supports forward SSL/TLS proxy use cases with man-in-the-middle inspection
- Support for SAML Metadata files has been added for simplifying SAML SSO use cases
- The embedded MQ libraries were upgraded to version 8.0.0.13 which include updated SSL cipher suites
- The embedded ActiveMQ libraries were upgraded to version 5.15.9
- The embedded WebLogic libraries were upgraded to version 12C

- The embedded ClamAV engine has been upgraded to 0.102.2
- New database schemas are available for all Data Source types
- Forum Sentry Virtual Appliances and AWS EC2 instances running the legacy ForumOS version 3.2/3.3 (instances launched with older OVA files and older AMIs) are not upgradeable to v9.1. New VMs and EC2 instances will be needed. The ForumOS version can be found with the “show general” command in the ForumOS CLI. Please contact [Forum Systems Support](#) for assistance migrating policies and licenses.
- Multiple updates were made to the SSH Enabled Ciphers, MACs, and Key Exchanges (as shown on the System Settings page) that are used with the Forum Sentry CLI as well as with runtime SFTP network policies

8.11 (all)

- All non-hardware instances of Forum Sentry (including software, virtual appliance, and AMI) will require a new license to upgrade to v8.11. Please contact [Forum Systems Support](#) to obtain the necessary license before upgrading.
- Licenses are now applied on the System → Settings → License page of the WebAdmin interface (no longer on the General Info page).
- Support for Elastic Licensing has been added to Sentry. This type of licensing allows for floating elastic instance of Sentry to share licenses with a license server. A Forum Sentry License Server (no cost) is required for this new licensing model. Contact Forum Support for more information.
- After launching a new ForumOS AWS AMI or Azure VM, be sure to access the CLI and set an Enable Mode password. Failure to do so may result in the need to factory reset the instance later on.
- Important information about upgrade packages - Older Sentry virtual appliances and AWS AMIs (installed before August 6, 2019) will need to upgrade using legacy 456X upgrade packages. New virtual appliances and AMIs will utilize 556X upgrade packages – see the README.txt on the FTP site for more info or contact Forum Systems Support.

8.11.61

- The Forum Sentry AMI is now available in the [AWS Marketplace](#).
- A performance degradation issue related to the Pattern Match task has been resolved.

8.11.50

- Memory Allocation issue with ForumOS AWS AMI and VM – This release resolves the known memory allocation issue with the ForumOS AWS AMI and Virtual Appliances. After launching the ForumOS, it is no longer necessary to upgrade the firmware (using the same or a newer version) to ensure the full memory allocation for the instance is utilized.

8.11.39

- Adds support for multiple Subject Alternative Names (SANs) when generating keys
- Downgrading the ForumOS (hardware, virtual, AMI, etc.) now requires a full factory reset after the downgrade, which was previously recommended only

8.11.34

- Adds support for AWSv4 Signatures to HTTP remote policies
- Updates the ClamAV engine to v0.100.3

8.11.19

- New database schemas are available for each Data Source type, and they are available within the Data Source policies. Customers using Data Source policies should contact Forum Support prior to upgrading to v8.11 to discuss the database migration process.
- Support for the upcoming API Developer Portal product has been added to Sentry. The DevPortal is currently in beta and is coming soon. Contact Forum Support for more information.
- New Sentry / ForumOS Azure form factor now available.
- Support for GCM Ciphers with SSL Policies is now available.
- With the v8.11.19 release, there are several UI changes related to policy generation wizards and tasks lists (e.g., drag and drop tasks within a task list).

- Support for TAM Policies has been removed with Sentry v8.11.19. Customers using TAM policies should contact Forum Support prior to upgrading to v8.11.
- Support for the deprecated AmberPoint integration has been removed from Sentry with v8.11.19.
- Support for the deprecated HP Select Access integration has been removed from Sentry v8.11.19.

3.2 Release Notes for Older Versions

All previous important changes and known issues, as listed in previous release notes, can be found here:

[Forum Sentry Release Notes](#)

4. Feature Enhancements and Bug Fixes

4.1 Summary of Enhancements in Release 9.1.97 [09/24/2021]

Enhancements and Bug Fixes

- **Cache Policies**
 - Adds general search for cache keys
 - Adds ability to delete only expired keys
 - Adds ability to show more rows
 - Adds date to expiration column on cache meter page
 - Resolves issue with NFS caching causing delays in reboots and upgrades
 - Resolves issue with NFS caching related to deleting cached items
- **Content Policies**
 - New Scheduler feature allows for scheduling API calls generated by Sentry
 - Resolves issue with disabling NFS caching feature
- **Logging**
 - Resolves issue with non-privileged access users viewing the Audit log in the WebAdmin interface
- **Network Policies**
 - Resolves issue with HTTP to SFTP protocol mixing
 - Adds support for LS with SFTP protocol
 - Adds support for Global Variables to SFTP policies
- **System**
 - Resolves issues with Network Utilities page in the WebAdmin
 - Resolves issue with Compare feature

4.2 Summary of Enhancements – Recent GA Releases

For release notes for previous branches, please see:

[Forum Sentry Release Notes](#)

Summary of Enhancements in Release 9.1.89 [09/09/2021]

Enhancements and Bug Fixes

- **Cache Policies**
 - Resolves issue with NFS caching disabling an NFS mount
 - Resolves issue with NFS caching causing delays in reboots and upgrades
 - Resolves issue with NFS caching related to deleting cached items
- **REST API**
 - Updates the Import operation to not require the new “removeOrphans” flag improving backwards compatibility
- **Task List Processing**
 - Resolves JavaScript issues with Mapping and Identify Document tasks where new filters are not saved immediately
 - Removes 5mb size limit for XSD schema imports with the Validate Document Structure task

Summary of Enhancements in Release 9.1.81 [06/01/2021]

Enhancements and Bug Fixes

- **Access Policies**
 - Adds new option to enter a static set of user credentials (or Global Variables) for remote authentication on an HTTP remote policy
 - Resolves issue with “Force Password on Reset” option for Admin users
- **Cache Policies**
 - Adds shared / distributed caching via NFS
 - Resolves issue with enforcement of Cache-Control max-age HTTP response header directive
- **ClamAV**
 - Updates ClamAV engine to 0.103.3
- **Content Policies**
 - Enhances multipart web form data processing
 - Resolves issue importing certain WSDLs to create a WSDL Policy
 - Resolves issue with the Sentry REST API related to the JSON Policies operation
- **Data Source Policies**
 - Enhances Query Database task to support CREATE with Postgres Data Sources
 - General improvements to the Test option in Data Source policies
- **Global Variables**
 - Adds support for Global Variables to remote path field
 - Adds support for Global Variables to UIDAC task
 - Enhances support for Global Variables within MQ network policies
 - Resolves issue with Global Variables page search functionality
- **Logging / Monitoring**
 - Changes AI log to use the pipe “|” delimiter
 - Improvements to the Performance Monitoring screen for service mode policies
- **Network Policies**
 - Adds new option to enter a static set of user credentials (or Global Variables) for remote authentication on an HTTP remote policy
 - Enhances support for Global Variables with MQ policies
 - Removes requirement for Queue Manager field value in MQ policies
 - General improvements for HTTP to SFTP protocol mixing

- General improvements for JMS CorrelationID processing
- REST API improvement related to Solace network policies
- Adds new option to enter a static set of user credentials (or Global Variables) for remote authentication on an HTTP remote policy

- **OAuth / OpenID Connect**
 - Adds support for JWT validation to the User Identity & Access Control task
 - Adds support for mapping Identity Attributes to tokens generated with the Client Credentials Grant Type

- **PKI**
 - Resolves issue with SSL policies utilizing DHE and ECDHE based ciphers on Sentry HSM hardware appliances
 - Resolves issue with search feature on Signer Groups page

- **REST API**
 - Potential breaking change - the Import operation for FSG files now requires a new parameter "removeOrphans" set as either true or false

- **System / WebAdmin**
 - Adds ability to rename Documents
 - Adds new option to FSG import to remove policy objects that would no longer be used after the import (removes orphaned policy objects)
 - Resolves issue with asymmetric routing
 - Resolves issue overwriting User accounts when importing FSGs created for an Agent with the option to not override User Groups enabled
 - Resolves issue with the Label filter on Task List Group page
 - Adds setting of ulimit to the Sentry Linux startup scripts, systems with Sentry already installed will need to reload systemd or reboot the machine to get the configuration updated

- **Task List Processing**
 - Adds new Password source type for Mapping tasks, which supports Global Variables, to securely map sensitive data
 - Enhances Query Database task to simplify variable substitution
 - Adds searching option to Replace Document task
 - General improvements to the Task List copy functionality
 - Resolves XSD import issues in the Validate Document Structure task

Summary of Enhancements in Release 9.1.47 [06/01/2021]

Enhancements and Bug Fixes

- **Access Policies**
 - Resolves issue with LDAP connections over SSL with specific certificate extensions

- **Cache Policies**
 - Adds caching to service mode policies (no remote policy required)
 - Adds caching to Content Policies utilizing MQ remote policies
 - General usability improvements to the Cache Meter page

- **ClamAV**
 - Removes the 'Block Encrypted Archives' option
 - Resolves issue with ClamAV HTTP Updates

- **Content Policies**
 - General usability improvements to OpenAPI policies

- Resolves “unhandled exception” when modifying some Content Policies
- **Data Source Policies**
 - Adds support for PostgreSQL Database
 - General usability improvements to the Data Sources page
- **Logging**
 - Adds Content Policy name to the Access Log
 - Adds Data Source latency to AI log for service mode policies
 - Resolves issue with policy link in System log
- **Network Policies**
 - Resolves issue with renaming SSL policies associated to MQ network policies
- **System / WebAdmin**
 - Adds new Global Variables feature to simplify policy promotion across environments
- **Task List Processing**
 - Adds support for Cobol Copybook payload processing
 - General improvements to the Query Database task
 - General usability improvements to Mapping tasks
 - Resolves issue with stored procedures in the Query Database task with Oracle data bases
 - Resolves issue modifying User-Agent request headers with task list processing
 - Resolves issue with JSON to XML conversion with special characters

Summary of Enhancements in Release 9.1.22 [04/02/2021]

Enhancements and Bug Fixes

- **Data Source Policies**
 - Enhances DB2 Data Source policies to support Z/OS
 - Updates DB2 Driver to v4.28
- **Error Handling**
 - Enhances error handling to maintain the actual error message
 - Resolves issue with default error templates resetting after reboot
 - Updates content of the default SOAP Fault error template
- **ClamAV**
 - Resolves issues with MaxRecursion and MaxScanSize settings
 - Updates ClamAV Engine to 0.102.4
 - Resolves issue with HTTP Update Mode when pointing directly at the Clam site
- **Network Policies**
 - Resolves issue with % character in MQ channels
 - Resolves issue with MQ policies connecting to MQ v9 using default channel auth rules
 - Resolves issue with Authorization header not being suppressed with HTTP Remote policies
- **System / WebAdmin**
 - Increases the max CPU and Memory support to 12 CPUs and 64GB RAM respectively
 - A new OVA file for the ForumOS Virtual Appliance has been posted
- **Task List Processing**
 - Adds ability to reference User Attributes within XSLT with the Transform Document task
 - Resolves issue with Log task causing document to be deleted from the logs
 - Enhancements to the Convert JSON to XML processing related to spaces and blanks

Resolves issues with the Transform Document task when disabled tasks exist in the task list

Summary of Enhancements in Release 9.1.9 [12/1/2020]

Enhancements and Bug Fixes

- **Access Control Policies**
 - Resolves issue with non-privileged users accessing certain screens
- **Data Source Policies**
 - A change to the Oracle Data Source policies may impact those who have different service and database names
- **System / WebAdmin**
 - Resolves an issue with the Online Help
- **Task List Processing**
 - Resolves issue with SOAP to MTOM conversion task with SOAP 1.2

Summary of Enhancements in Release 9.1.5 [09/25/2020]

Enhancements and Bug Fixes

- **WSDL and Content Policies**
 - NEW FEATURE – New OpenAPI Content Policies support importing of both JSON and YAML OAS 3.0 definitions (OpenAPI Specification) to quickly virtualize and secure the APIs in Forum Sentry

Summary of Enhancements in Release 9.1.2 [07/23/2020]

Enhancements and Bug Fixes

- **Access Control Policies**
 - NEW FEATURE – Adds OAuth token revocation per RFC7009
 - NEW FEATURE – Adds support for SAML 2.0 Metadata files to simplify SAML SSO use cases
 - ENHANCEMENT – Adds support for transient SAML NameID in the User Identity and Access Control task
 - FIXED – Resolves issue with IP ACL deny option
- **Logging / Reporting**
 - NEW FEATURE – Adds new AI Log which provides important runtime logging events and latency metrics condensed into a single line more suitable to feed SIEM and AI engines
 - ENHANCEMENT – Improves certain Task List failure error messages
 - ENHANCEMENT – Adds new AI Log option to Remote Syslog policies
 - ENHANCEMENT – Adds detailed logging for each operation performed in a Convert Value task
 - FIXED – Resolves issue with option to disable monitoring stats for certain types of network policies
 - FIXED – Resolves issue disabling Remote Syslog policies
 - FIXED – Resolves issue with NPE shown in logs when verifying a SiteMinder cookie
- **PKI / Security / SSL Policies**
 - NEW FEATURE – Expiring keys now show as highlighted on the Key page

- ENHANCEMENT – Updates SSH Enabled Macs, Enabled Ciphers, and Enabled Key Exchanges used with both the ForumOS CLI and runtime SFTP policies
- ENHANCEMENT – Upgraded the MQ Libraries which allows for use of GCM ciphers with MQ network policies
- FIXED – Resolves issue with PGP encryption using RFC 1991 of files over 100MB
- FIXED – Resolves issue with public key details when generating a CSR
- FIXED – Resolves issue with PGP signature verification
- FIXED – Resolves issue with Certificate and Signer Group searching
- FIXED – Resolves issue with SFTP policies not using the updated SSH MAC/Cipher/Enabled Key Exchange options
- **Network Policies**
 - NEW FEATURE – Adds ability to forward proxy SSL/TLS traffic with man-in-the-middle inspection
 - ENHANCEMENT – Upgrades the ActiveMQ libraries to version 5.15.9
 - ENHANCEMENT – Upgrades the MQ libraries to version 8.0.0.13 which include updated cipher suites
 - ENHANCEMENT – Upgrades the WebLogic libraries to version 12.2.1.2.0
 - ENHANCEMENT – Updates the AWSv4 Signature feature used for authentication to AWS APIs
 - ENHANCEMENT – Adds ability to use HTTP compression with HTTP/MQ protocol mixing
 - ENHANCEMENT – S3 Network Policies now utilize the latest AWS authorization mechanism
 - FIXED – Resolves issue with response caching
 - FIXED – Resolves issue with error message when attempting to PUT to a read-only directory using an SFTP policy
 - FIXED – Resolves issue with SFTP policies not using the updated SSH MAC/Cipher/Enabled Key Exchange options
 - FIXED – Resolves issue with Solace remote policies allowing a more graceful recovery from a hung state
- **REST API**
 - NEW FEATURE – Adds new PortalAPI for communication with Forum API Developer Portal
- **System / WebAdmin**
 - NEW FEATURE – Adds new PortalAPI for communication with Forum API Developer Portal
 - ENHANCEMENT – All database schemas for the Data Source policies have been updated
 - ENHANCEMENT – Updates SSH Enabled Macs, Enabled Ciphers, and Enabled Key Exchanges used with both the ForumOS CLI and runtime SFTP policies
 - ENHANCEMENT – Adds ability to exclude SSL Termination Policies with configuration import/export/transfer
 - ENHANCEMENT – Adds ability to specify multiple primary License Servers with Elastic Licensing model
 - ENHANCEMENT – Adds Swagger library version to the Library Versions Details on the General Info page
 - ENHANCEMENT – Adds TibcoEMS library version to the Library Versions Details on the General Info page
 - ENHANCEMENT – Adds the “Date Created” value to the first screen of the Network Policy wizard
 - ENHANCEMENT – The runDiagnostics troubleshooting tool now collects hardserver logs from HSM enabled systems
 - ENHANCEMENT – Sentry can now try multiple primary License Servers to obtain a license during startup
 - ENHANCEMENT – Backup Policies of type S3 now utilize the latest AWS authorization mechanism

- ENHANCEMENT – Adds ForumOS version information to the General Info page
- CHANGED – Updates ClamAV Engine to version 0.102.2
- CHANGED - Forum Sentry Virtual Appliances and AWS EC2 instances running the legacy ForumOS version 3.2/3.3 (instances launched with older OVA files and older AMLs) are not upgradeable to v9.1. New VMs and EC2 instances will be needed. The ForumOS version can be found with the “show general” command in the ForumOS CLI. Please contact Forum Systems Support for assistance migrating policies and licenses.
- FIXED – Resolves issue with ClamAV scanning of potential zip bombs
- FIXED – Resolves issue with non-privileged users on the Import/Export screens
- FIXED – Resolves issue with WWW-Authenticate response headers added by Sentry being removed
- FIXED – Resolves issue on Documents page related to name of the new document
- FIXED – Resolves issue with page reloads after changing the active Domain
- FIXED – Resolves issue with page refresh on the Cache Meter page
- FIXED – Resolves issue displaying the remote settings of a Virtual Directory with a Chrome browser
- FIXED – Resolves issue with the ClamAV “daily file version” information not refreshing on the ClamAV page with software instances of Sentry
- FIXED – Resolves issue with database migration scripts
- FIXED – Resolves issue with viewing cookies stored in a database on the Cache page
- FIXED – Resolves issue with Getting Started page when using multiple Domains
- FIXED – Resolves issue on the Import screen browsing Sentry config files stored in an Oracle database
- FIXED – Resolves issue with field sizes on License page
- **Task List Processing**
 - ENHANCEMENT – Improves certain Task List failure error messages
 - ENHANCEMENT – Global Task Lists now displayed on Task Lists tab of WSDL Policies
 - ENHANCEMENT – Adds support for SAML NameID type “transient” in the User Identity and Access Control task
 - ENHANCEMENT – Adds detailed logging for each operation performed in a Convert Value task
 - FIXED – Resolves issue disassociating Task Lists from WSDL Policies on the Task List tab
 - FIXED – Resolves issue (NPE) when creating a Validate Document Structure task
- **WSDL and Content Policies**
 - NEW FEATURE – Adds support for SAML 2.0 Metadata files to simplify SAML SSO use cases
 - NEW FEATURE – REST Policies can now optionally be displayed in the Forum API Developer Portal
 - NEW FEATURE – YAML files can now be attached to REST Policies for purpose of displaying a Swagger UI in the Forum API Developer Portal
 - ENHANCEMENT – Adds ability to set the published protocol/host/port values with REST policies that will be displayed in the API Developer Portal
 - ENHANCEMENT – Web Form Request Filters now supports content-types other than XML
 - ENHANCEMENT – Global Task Lists now displayed on Task Lists tab of WSDL Policies
 - FIXED – Resolves issue disassociating Task Lists from WSDL Policies on the Task List tab
 - FIXED – Resolves issue with trailing whitespace in virtual directory causing problems at start-up

Summary of Enhancements in Release 8.11.61 [04/01/2020]

Enhancements and Bug Fixes

- **Logging**

- Removes extraneous audit log messages related to mapping tasks
- Resolves issue with retention of log data after midnight rollover when log backup is enabled
- **Task Lists**
 - Resolves performance degradation issue related to the Pattern Match task
 - Resolves issue with the Query LDAP task creating new connections to the LDAP server for each query
 - Resolves issue with the Validate Document Structure task related to importing of XSD files
 - Resolves issue with the Mapping Table task not displaying / allowing certain characters

Summary of Enhancements in Release 8.11.55 [02/03/2020]

Enhancements and Bug Fixes

- **Network Policies**
 - Resolves issue with MQ Listener policies sending root user ID to MQ
- **PKI**
 - Resolves issue with using certain ciphers with HSM hardware appliances
- **System**
 - Resolves issue with CLI enable mode password in command history
 - Resolves issue with IP address syntax validation in CLI commands
- **Task Lists**
 - Resolves issue setting path via mappings within Enrich Message task

Summary of Enhancements in Release 8.11.52 [12/06/2019]

Enhancements and Bug Fixes

- **System**
 - Resolves issue with adding certain network routes (invalid IP address format error)
- **Task Lists**
 - Updates the "Validate Bankline" task for processing of ISO8583 and MT198 messages

Summary of Enhancements in Release 8.11.50 [10/21/2019]

Enhancements and Bug Fixes

- **Access Control Policies**
 - Resolves issue with renamed WS-Trust policies being removed from associated User ACLs
- **Network Policies**
 - Adds support for processing empty body Solace messages
 - Resolves issues disabling multiple (many) WebLogic network policies simultaneously
 - Resolves issue with proxy policies not being used
- **PKI**
 - Resolves issue with Signer Group key searching
 - Removes 33-character limit with key names
- **System**
 - Resolves issue with memory settings with AMI and Virtual Appliance instances

- Resolves issue with software instances using elastic licensing
- **Task Lists**
 - Updates the “Validate Bankline” task for processing of ISO8583 and MT198 messages over MQ
 - Resolves issue with the Query LDAP task not returning multiple values

Summary of Enhancements in Release 8.11.42 [08/29/2019]

Enhancements and Bug Fixes

- **Task Lists**
 - Adds new “Validate Bankline” task for processing of ISO8583 and MT198 messages over MQ

Summary of Enhancements in Release 8.11.39 [08/06/2019]

Enhancements and Bug Fixes

- **Network Policies**
 - Resolves issue with AWSv4 Signature option on remote policies
 - Resolves issue with AMQP 1.0 listener policies reverting to default port
- **System**
 - Updates the virtual ForumOS upgrade packages to the 556X platform
- **PKI**
 - NEW FEATURE – Adds support for specifying multiple Subject Alternative Names (SANs) when generating keys
- **WebAdmin**
 - Resolves issue with System Name no longer showing in the browser tab
- **Task Lists**
 - Resolves issue with Replace Document task

Summary of Enhancements in Release 8.11.34 [06/03/2019]

Enhancements and Bug Fixes

- **Network Policies**
 - NEW FEATURE – Adds support for AWSv4 Signatures to HTTP remote policies
- **System**
 - Resolves rare issue with failed SSL handshakes after system reboot
 - Resolves NPE shown instead of an Access Denied error message
- **ClamAV**
 - Updates ClamAV engine to v0.100.3
- **WebAdmin**
 - Resolves issue with System Name being truncated in the WebAdmin Banner
 - The Dependency Viewer was erroneously removed from the keys page in the initial 8.11 release, it has been added back
- **Task Lists**
 - Resolves issue with Replace Document task

Summary of Enhancements in Release 8.11.23 [04/01/2019]

Enhancements and Bug Fixes

- **Task List Processing**
 - Adds Dynamic Metadata Schema Package Handling for ZIP Processing
 - Resolves Decryption failures when using the RSA-OAEP Key Wrap Algorithm
- **Virtual Directories**
 - Resolves issue with cleared paths reverting to previous values

Summary of Enhancements in Release 8.11.19 [02/28/2019]

Enhancements and Bug Fixes

- **Access Control Policies**
 - NEW FEATURE – Adds support for Host ACL policies for Listener Policies and Virtual Directories
 - ENHANCEMENT – Adds the ability to store user information Identity Attributes to existing session cookies, previously all user attribute information had to be stored when the cookie was generated
 - CHANGED – Removes support for TAM Policies
 - CHANGED – Resolves issues with renamed Access Control policies as show in User ACLs
- **Logging**
 - ENHANCEMENT – Adds logging for the configuration backups performed by Backup Policies
- **PKI / SSL Policies**
 - ENHANCEMENT – Adds support for GCM ciphers with SSL Policies
 - ENHANCEMENT – Adds the ability to sort the Keys page by key/cert name
 - ENHANCEMENT – Adds the ability to search and filter the Keys page by Label
- **Network Policies**
 - NEW FEATURE – Adds ability to create and modify Solace Network Policies
 - NEW FEATURE – Adds ability to pass Message Persistence as a property to RabbitMQ
 - NEW FEATURE – Adds ability to bind to existing RabbitMQ exchanges marked as Durable
 - CHANGED – Removes IP and Host ACLs from JMS network policies
 - CHANGED – The embedded Solace Libraries have been updated to v8.2 (Solace v8.2 server)
 - FIXED – Resolves issue with WebLogic Policies not reconnecting properly after reboot
- **REST API**
 - NEW FEATURE – Adds ability to create and modify Solace Network Policies
 - NEW FEATURE – Adds ability to set Labels on policies, note that any existing labels on updated policy objects are replaced with new label set via REST API call
 - ENHANCEMENT – Adds ability to enable the option "Use virtual host as a regular expression" on virtual directories
- **System / WebAdmin**
 - NEW FEATURE – Adds support for upcoming Elastic Licensing Model, includes a new License Page of the WebAdmin under Settings

- NEW FEATURE – Adds support for upcoming API Developer Portal product which will call into a new Sentry Portal API to catalog and document Sentry REST Policies
- NEW FEATURE – The Login Color feature set on the User Preferences is now available as a Color Bar shown at the bottom of all pages of the WebAdmin
- NEW FEATURE – Adds Network Utilities (Ping, Traceroute, Checkport, and DNSLookup) to the WebAdmin

- ENHANCEMENT – Updates to the default Pattern Match Policies (regex patterns)
- ENHANCEMENT – Adds the ability to control validation of existing WebAdmin credentials when importing an FSX config file (default is enabled)
- ENHANCEMENT – Adds support SSL and SMTP user credentials with the Email Setting on the System Settings page
- ENHANCEMENT – Adds support for dragging and dropping Tasks within Task Lists
- ENHANCEMENT – Adds S3 backup option to Backup Policies

- CHANGED – Renamed STS Policies to SAML STS/IdP and moved them to the new Identity Providers category
- CHANGED – Renamed OAuth Policies to OAuth IDP and moved them to the new Identity Providers category
- CHANGED – Removes benign SSH log messages seen during reboots and config imports
- CHANGED – Removes support for the deprecated AmberPoint integration
- CHANGED – Removes support for the deprecated HP Select Access integration
- CHANGED – Improves WebAdmin pages that show table information

- FIXED – Resolves UI issues on Cache Policies page
- FIXED –Resolves issue with ICAP AV page where incorrect error was displayed host value is invalid
- FIXED – Resolves issue with invalid characters allowed in policy Labels
- FIXED – Resolves issue with display of WSDL Policies utilizing SMTP network policies
- FIXED – Resolves issue with SSL connections to DB2 Data Source Policies
- FIXED – Resolves issue with Sentry Auth access control policies missing on the Overview page
- FIXED – Resolves NPE seen with configuration Compare feature
- FIXED – Resolves issues with Bootstrap Import/Export during HSM appliance initialization

- **Task List Processing**
 - ENHANCEMENT – Adds support for dragging and dropping Tasks within Task Lists
 - ENHANCEMENT – Improvements to the Zip Contents Processing task

 - FIXED – Resolves issue with User Identity & Access Control task becoming inaccessible
 - FIXED – Resolves issue validating wsu:Created Time Stamps
 - FIXED – Resolves issue with Convert SOAP task (SOAP to XML) related to namespaces in SOAP payloads
 - FIXED – Resolves issues with Sentry generated Signatures being non-compliant with Basic Security Profile Spec R5215

- **WSDL and Content Policies**
 - FIXED – Resolves issue with display of WSDL Policies utilizing SMTP network policies

Summary of Enhancements in Release 8.9.89 [01/28/2019]

Enhancements and Bug Fixes

- **Network Policies**
 - Resolves issue with WebLogic JMS policies not reconnecting properly after reboot

Summary of Enhancements in Release 8.9.86 [01/14/2019]

Enhancements and Bug Fixes

- **System**
 - Resolves issue with the SNMP Monitoring
- **IDP Processing**
 - Resolves issue with parsing XML attachments after upgrading from older releases to v8.9
- **Task List Processing**
 - Resolves issue with the “proxy client user agent” option when using the Enrich Message task

Summary of Enhancements in Release 8.9.80 [11/01/2018]

Enhancements and Bug Fixes

- **System**
 - Resolves issue with the Sentry config Backup “only changes” option after upgrade

Summary of Enhancements in Release 8.9.79 [10/03/2018]

Enhancements and Bug Fixes

- **ClamAV**
 - Adds option to Enable/Disable blocking of encrypted archives with ClamAV scanning
- **System**
 - Resolves issue with static routes being deleted upon restart

Summary of Enhancements in Release 8.9.77 [08/31/2018]

Enhancements and Bug Fixes

- **Network Policies**
 - Resolves issues with WebLogic JMS throughput performance
 - Resolves issue with SMTP policies related to null MAIL FROM header
- **Task Processing**
 - Resolves issue with Pattern Matching task configured for Attachment XML Element Content
- **Redirect Policies**
 - Adds the ability to overwrite the Redirect URL using a task list on the Redirect Policy
- **Content Policies**
 - Resolves issue with mapped redirect_uri with OAuth policies
- **PKI**
 - Resolves issue with importing certs on top of existing key pairs
- **System**
 - Resolves issue where NPEs are shown in the system log after reboots
- **REST API**
 - Resolves issue with invalid Boolean inputs not being handled correctly

Summary of Enhancements in Release 8.9.73 [07/03/2018]

Enhancements and Bug Fixes

- **System / WebAdmin**
 - Resolves GDM Transfer issue creating listener policy exceptions in the logs
 - Resolves issue with SSH log messages during reboot
- **Task Processing**
 - Resolves unhandled exception seen when modifying certain task lists
- **Network Policies**
 - Improves WebLogic recovery mechanisms for certain conditions
 - Resolves WebLogic listener timeouts upon reboot
- **Content Policies**
 - Resolves exception when filter expression is blank

For release notes for previous branches, please see:

[Forum Sentry Release Notes](#)