Release Notes

FortiSOAR 7.3.1

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January, 2023
FortiSOAR 7.3.1 Release Notes
00-400-000000-20210112

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Change Log

Date	Change Description
2023-01-24	Initial release of 7.3.1

FortiSOAR 7.3.1 Release

FortiSOAR's usability has been improved with Fortinet Security Orchestration, Automation, and Response Platform (FortiSOAR™) release 7.3.1. The FortiSOAR For Slack Application has been added to a bridge for seamless integration with FortiSOAR, allowing you to leverage the power of FortiSOAR as part of your daily communications. Additionally, support for deploying and running the FortiSOAR Docker on an Amazon Elastic Kubernetes (EKS) cluster, in the Amazon Web Services (AWS) Cloud and support for adding playbook aliases even for shared tenants, enabling you to construct agnostic playbooks are also added. Various FortiSOAR improvements have also been implemented, such as enhancing the Manual Input, and introducing support for launching a widget from the FortiSOAR UI, among other things. This release also adds multiple security fixes to ensure vulnerabilities are fixed in FortiSOAR.

For a detailed list of all the new features and enhancements, see the New Features and Enhancements chapter.

New Features and Enhancements

Added support for end-to-end integration with Slack

- The FortiSOAR For Slack Application builds a bridge for seamless integration with FortiSOAR, allowing you to leverage the power of FortiSOAR as part of your daily communications. You can add the integration app to your Slack workspace to use the Slack integrations that are currently available:
  - **Slash Commands**: Trigger FortiSOAR workflows by running slash commands or adding `@` mentions in Slack.
  - **Manual Inputs**: 'Slack' can be used as a channel for the delivery of manual input prompts to achieve seamless integration between Slack and FortiSOAR. You can trigger manual input playbooks in FortiSOAR, send the manual input form to users on Slack to get their responses, and based on the responses, resume the playbooks in FortiSOAR.

  For information about Slack integration with FortiSOAR, see the "FortiSOAR For Slack Application" document on the FortiSOAR Connectors page.

Added support in shared tenancy to reference playbooks using aliasing

- FortiSOAR release 7.3.1 makes it possible to add playbook aliases and construct agnostic playbooks even when utilising shared tenants by adding support for executing playbooks using an alias in a shared tenancy model.

Added support for launching a widget from the FortiSOAR UI

- FortiSOAR release 7.3.1 adds support for launching a widget that guides users through some configuration and post-installation activities. Widgets can also be added to pages such as the Dashboards, View Panel, Listings, etc., that guide users through some configuration activities.

Enhancements to Manual Input

- Added support for 'Slack' as a channel for delivery of manual inputs prompts and for seamless integration between Slack and FortiSOAR.
- Manual Input has been enhanced to make it more effective to use by dividing the manual input into various segments that defines the various configurations required for manual input. For example, the 'Context' segment defines the context of manual input, i.e., whether it runs independent of records or on the selection of records.
- Users can now build a short "yes/no" kind of input prompt by using the "Dynamic List" option that requires a minimum of '2' characters in the "Manual Input" step of playbooks. Previously, options required at least '3' characters.

Playbook Enhancements

- Added support for posting all automation comments from a playbook into a single thread. Previously, all comments from a playbook used to get added to the records' collaboration panel as new entries.
- Added a parameter to the `parameters_prod.yaml` file, that prevents infinite looping of playbooks in cases such as updating a record in a post-update playbook without any trigger condition, etc. that could cause infinite recursion, and lead to crashing your FortiSOAR system.

- Added support for passing the parent playbook's environment data to reference playbooks at the user's discretion. Previously, only the input record data from the parent playbook could be passed.

Improvements in FortiSOAR UI

- An option to filter the list view (grid) of a module is added for 'Checkbox' type fields so that you can filter the grid for checkbox values that are 'null' (not set), selected (True), or not selected (False).
- If there are any provisioning failures, on any type of FortiSOAR deployment such as deploying FortiSOAR Enterprise, or deploying FortiSOAR on Docker platforms like AWS, or deploying FortiSOAR Docker on an Amazon Elastic Kubernetes Cluster, then appropriate error messages are displayed on the FortiSOAR UI making it easier to understand the cause of the error. Provisioning failures could be failures while is performing initial configuration phase, using the Configuration Wizard, or failures while configuring the embedded Secure Message Exchange, etc.
- The FortiSOAR 'Publish' operation fails with an appropriate error message displayed on the FortiSOAR UI when a `Many to One` relationship field is added in a module without setting up a `Lookup` relation field on the related module.
- The labels of the 'Playbook Execution Monitoring' widget that is part of the 'System Health Status' dashboard are updated to make them more lucid.
- The 'Card Count' widget is updated to include a **Max Record Limit** drop-down list using which users can select the maximum number of records to be fetched, up to the maximum of 250 records so that the widget displays the total count of those many records based on the specified filter. Previously, only 30 records were fetched for this widget.
- The message to be displayed to user during the publish operation can be now be customized.
- Added the "Last 30 days" option to all date filters in the FortiSOAR UI, including the grid, nested filters, etc.

Enhanced Administration Capabilities

- Users imported using the 'Import Wizard' has been enhanced to retain the states assigned to users. Earlier, Concurrent users were imported as per their original state, i.e., 'Active' or 'Inactive'; whereas Named users were imported in the 'Inactive' state. Now, both Concurrent and Named users, if permitted by the current license, are imported as per their original state, i.e., 'Active' or 'Inactive'.
- The following additions have been made in the Admin CLI (`csadm`) :
  - The `--debug` parameter is added to the `--show-details` argument to enable you to view the FDN response in addition to the license details. This provides more details about the license and helps in troubleshooting licensing issues.
  - The `checkpoint` argument is added to the `utils` sub-command to run PostgreSQL `CHECKPOINT` to clean up the WAL files, and which should be run after a replication slot is removed. This helps users quickly check if the WAL file storage is getting reduced after deleting a replication slot.
  - The `--prepare-for-immediate-join-cluster` is added to the `clone-db` sub-command to create temporary PostgreSQL physical replication slots to preserve WAL files for differential syncing.
- Support added to regenerate an appliance key from CLI for a specific appliance by specifying the UUID of the appliance. Earlier, users could regenerate appliance keys for all system appliances only.
- Support added for customization of the label of the button that is used to open the 'Data Ingestion Wizard'. Users can change the label by editing the connector's `info.json` file. By default, the label is set to "**Configure Data Ingestion**," which may not be appropriate in some cases, where the "Data Ingestion Wizard" must be run per configuration. For details, see the "Connector Guide."
- Added a setting on the `System Configuration` page that can be used to restrict access for permanently deleting records to only users with the 'Administrator' role. If you enable this setting, then non-admin users can soft-delete records but cannot permanently delete them, which would help prevent the accidental deletion of records by non-admin users.

- Enhanced the 'Export Wizard', by providing users a choice to export only some of the global variables used in the selected playbooks. You might not want to import all global variables in the following cases:
  - When you do not want the global variables' values to be reset. For example, you do not want to reset the `server_fqhn` that is used in all notification emails, etc.
  - When you want the global variables values to be different in development and production environments in case of CI-CD.
- Added constraints for branding images. Previously there was no check on images that could be used for branding in FortiSOAR (**Settings** > **System Configuration** > **Branding**). This could impact performance if very large image files were used, as the image files are stored in the user settings and loaded frequently throughout the application. Therefore, the FortiSOAR UI now displays relevant error messages if the image files exceed the specified dimension and prevents users from uploading images that exceed the file size and/or have the wrong dimensions.

Added support for running FortiSOAR Docker on an Amazon Elastic Kubernetes Cluster

- FortiSOAR release 7.3.1 adds support for deploying and running the FortiSOAR Docker on an Amazon Elastic Kubernetes (EKS) cluster, in the Amazon Web Services (AWS) Cloud. The product deployment solution facilitates an orchestrated deployment of the FortiSOAR components on EKS.

Built-in Connector and Widget Enhancements

- Updated multiple built-in connectors such as the Phishing Classifier connector, FSR Agent Communication Bridge connector, etc. For more information on FortiSOAR Built-in connectors, see the "FortiSOAR™ Built-in connectors" article.
- Updated multiple widgets such as SOC Management widget, etc.

Special Notices

This section highlights some of the operational changes that administrators should be aware of in FortiSOAR release 7.3.1. Release 7.3.1 does not have any operations changes that need to be highlighted to administrators.

Upgrade Information

You can upgrade your FortiSOAR enterprise instance, High Availability (HA) cluster, or a distributed multi-tenant configuration to version 7.3.1 from version 7.3.0 only. Also, once you have upgraded your configuration, you must log out from the FortiSOAR UI and log back into FortiSOAR.

Also, note that the upgrade procedure temporarily takes the FortiSOAR application offline while the upgrade operations are taking place. We recommend that you send a prior notification to all users of a scheduled upgrade as users are unable to log into the FortiSOAR Platform during the upgrade.

For details about upgrading FortiSOAR, see the *FortiSOAR Upgrade Guide*.

Product Integration and Support

Web Browsers & Recommended Resolution

FortiSOAR 7.3.1 User Interface has been tested on the following browsers:

- Google Chrome version 108.0.5359.125
- Mozilla Firefox version 108.0.1 (64-bit)
- Microsoft Edge version 108.0.1462.54 (Official build) (64-bit)
- Safari version 15.5 (17613.2.7.1.8)
- The recommended minimum screen resolution for the FortiSOAR GUI is 1920 x 1080. Please adjust the screen resolution accordingly. Otherwise, the GUI might not get properly displayed.

Virtualization

This section lists FortiSOAR version 7.3.1 product integration and support for virtualization:

- AWS Cloud
- Fortinet-FortiCloud
- VMware ESXi versions 5.5, 6.0, and 6.5
- Redhat KVM

For any other virtualization or cloud hosting environment, you can install Rocky Linux 8.6 or RHEL 8.6, and then install FortiSOAR using CLI. For more information, see the "Deployment Guide."

Resolved Issues

The following important issues have been fixed in **FortiSOAR release 7.3.1**. This release also includes important security fixes. To inquire about a particular bug, please contact Customer Service & Support.

FortiSOAR UI Fixes

Bug ID	Description
0850084	Copying an excel table into the FortiSOAR Comment box used to convert the table to an image. Now, pasting the table into comments retains it in the table format, and also adds the table as an image.
0851899	If users type anything in the Collaboration Panel after adding (pasting) a file or image and then saving the comment, the collaboration panel did not load the added image or file.
0853311	Slowness is observed in FortiSOAR systems with a large number of records. To improve performance, a redundant API call from the UI has been removed.
0855523	The picklist 'itemValue' color used to get merged with the UI theme background color. For example, selecting the color of the picklist 'itemValue' as 'White' merged when the UI theme was set as 'Light'.
0856605	Improved the readability of descriptions for content (solution packs, widgets, and connectors) that are part of the Content Hub. The readability of the descriptions present on the content's card was hampered as HTML tags were visible when users hovered their mouse over the descriptions.
0860826	Updated the 'Deploy' section in the "FortiSOAR Setup Guide " to include information about the 'FortiSOAR Trial License'. You can easily activate the 'Trial License' and use it in your development environments without incurring additional licensing costs.
0862818	The "default value" of a Boolean field (checkbox) was set as "null" that lead to the display of "null" and "false" fields to be identical. Now, the "default value" of a Boolean field is set to "false."
0864206	When users clicked on a pie chart to see the data with the filter criteria applied, the **Download File** button was not visible and records could not be exported.
0867594	The lightweight grid used in modules was ignoring filters applied to the grid.
0867963	Any chart widget that contained special characters in their name failed to load in the report or dashboard page on the FortiSOAR UI.
0873096	Closing the detail view of any record used to redirect the FortiSOAR UI to the first page of the module. Now, closing the detail view of any record to the current page.

Connector Fixes

Bug ID	Description
0845718	The 'OnChange' fields in the Connector Wizard's **Test Configuration** dialog, were visible even when their visibility setting was set to false.

Playbook Fixes

Bug ID	Description
0848259	When `vars.result` was used to refer a current step result, in the case of parallel execution, then the last executed step result was considered as the result, which could cause confusion. Therefore, from this release onwards `vars.results` is replaced by `vars.steps.<step_name>`.
0856699	Record filtering did not work when playbooks were triggered with sample data.
0856705	In a loop, when filters used with *vars.item* were not getting evaluated, if they were used without space or keys. For example, `{{vars.item|toJSON}}` would throw an error and not get evaluated.

Other Fixes

Bug ID	Description
0851825	Users used to require 'Delete' permission on the 'Application' module to delete configured filters that they had created.

Known Issues and Workarounds

Release 7.3.1 does not have any known issue.

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