

# Release Notes

**FortiSOAR 7.0.2**



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July, 2022

FortiSOAR 7.0.2 Release Notes

00-400-000000-20210112

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# Change Log

Date	Change Description
2021-10-01	Initial release of 7.0.2
2021-10-07	Minor updates to the <a href="#">New features and enhancements</a> chapter
2022-07-06	Minor update to the 'Enhanced the Data Ingestion Wizard to work in case of connectors that require only the ingest playbook' topic in the <a href="#">New features and enhancements</a> chapter

# FortiSOAR 7.0.2 Release

The Fortinet Security Orchestration, Automation, and Response Platform (**FortiSOAR™**) v 7.0.2 release introduces new features and product enhancements that aim to augment your experience working with FortiSOAR. Important release highlights include simplification of module creation, support for pre-provisioning of SAML users, support for controlling playbook execution logging levels to allow better storage space utilization and notable licensing enhancements. Improvements have also been made in the process of building connectors and widgets, and in the Export and Import Wizards, among others in order to enhance the usability of the product.

For a detailed list of all the new features and enhancements, see the [New features and enhancements](#) chapter.



The recommended minimum screen resolution for the FortiSOAR GUI is 1920 x 1080. Please adjust the screen resolution accordingly. Otherwise, the GUI may not display properly.

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## New features and enhancements

Feature	Details
<b>Simplified the module creation process</b>	<p>Simplification of module creation enhances user experience and also eliminates errors that occur due to incorrect inputs. The simplification is achieved as follows:</p> <ul style="list-style-type: none"> <li>• Users need to provide only the <b>Module Name</b> while creating the module.</li> <li>• Legacy fields such as module type, table name, which could cause issues if incorrect inputs were provided are now auto-generated.</li> <li>• Simplification of the process of creating many to many fields as fields are by default added with same module name to the other side of related module.</li> </ul>
<b>Added support for pre-provisioning of SAML users</b>	<p>You can now choose the strategy to create SSO users between <b>At Sign-in (Default)</b> or <b>Pre-provision</b>. The At Sign-in (Default) strategy creates users at login, i.e., user accounts are created automatically on the first SSO login of the user login. The Pre-provision strategy requires the user accounts to be created prior to login.</p>
<b>Optimized Playbook Logging</b>	<p>You can now choose the logging levels for your playbook execution logs between <b>INFO</b> and <b>DEBUG</b>, both globally as well as at the individual playbook level. Choose the <b>INFO</b> level for production instances and in scenarios where you want to use storage space efficiently and the <b>DEBUG</b> level while designing or debugging playbooks.</p>
<b>Augmented the process of building connectors</b>	<p>FortiSOAR version 7.0.2 has simplified the process of building your own connector as follows:</p> <ul style="list-style-type: none"> <li>• Added an <b>Actions</b> screen in the 'Connector Building Wizard' using which you can define the actions that you want the connector to perform, instead of editing the raw JSON file.</li> <li>• Added support for editing the <code>info.json</code> file for the connectors in the <b>Form View</b>, instead of having to edit the file in the raw JSON format.</li> </ul>
<b>Enhanced the Export and Import Wizards</b>	<p>FortiSOAR version 7.0.2 has enhanced the export and import wizards to export and import all data and configurations, enabling the creation of a near-exact replica of a FortiSOAR environment.</p> <ul style="list-style-type: none"> <li>• Added support for export and import of record data.</li> <li>• Added support for export and import of .tgz files for connectors and widgets.</li> <li>• Changed the export format from .json to .zip for easier management.</li> <li>• Added support for exporting specific module permissions from roles.</li> </ul>
<b>Added support to reclaim unused disk space</b>	<p>FortiSOAR v7.0.2 provides you with an option to reclaim unused disk space. This activity clears all the empty rows in tables and indexes, which helps in improving the performance by optimizing the space. By default, this cleanup activity is run "Weekly at 02:01 AM (UTC) on Sunday"; however, you have the ability to update the schedule of this cleanup activity as per your requirement.</p>

### Added support for updating the license from the FortiSOAR login screen in the case of duplicate license detection or due to a change in the device UUID

If your FortiSOAR instance is blocked due to duplicate license detection or due to a change in the device UUID, then you can upload a new valid license from the FortiSOAR login screen.

### Enhanced the Widget Library

The Extensible Widget Library (EWL) has been enhanced as follows:

- Enhanced the Widget Library page to include the **Workspace** tab where you can create new widgets and edit existing ones. Therefore, the Widget Library page now contains three tabs:
  - Installed:** Displays the widgets that are currently installed on your FortiSOAR system
  - Widget Store:** Displays a list of widgets currently available that you can install and use.
  - Workspace:** Displays the widgets that are currently being developed.
- Introduced the 'Widget Building Wizard' to efficiently build new widgets.
- Added support for editing the `info.json` file for the widgets in the **Form View**, instead of having to edit the file in the raw JSON format.
- Added support to add versions for a widget, which enables you to install multiple versions of a widget and systematically enhance the functionality of widgets.

### Added support for 'Dynamic List' in Manual Triggers and Manual Inputs

**Dynamic List** is supported as a '**Custom**' input type in both the Manual Trigger step and the Manual Input step. A 'Dynamic list' is a list with dynamic values that is set using a playbook, i.e., the options of the list are defined using JSON or comma-separated values, set using Jinja, and gets displayed as a list in a user input prompt. You can use dynamic lists in cases such as:

- Independent Playbooks**, where you want the list to be included as part of the playbook and do not want to create a custom picklist for the same
- Constantly Changing Picklists**, where the values of picklists are constantly changing
- Unauthenticated Picklists**, where pre-defined JSON lists can be used to present multiple options to users for their selection
- Filtered Record List**, where you can present a filtered lists of records in a manual input to users for selection.

### Introduced a new `system` subcommand with the `disk` option to `csadm`

The `system` subcommand with the `disk` option has been added to FortiSOAR Admin CLI (`csadm`) to enable administrators to manage disk space by extending specified logical volumes. Administrators can extend a logical volume to occupy space that is available in its own volume group or if a new disk is attached, then a single partition is created and the logical volume can be expanded to occupy that partition based on the specified size (GB).

### Added support for one-time edits in case of read-only fields

One-time edits are allowed for read-only fields, in the following cases:

- If the value of the field had not been set, i.e., it is 'null' or 'blank'
- If the field name is "tenant", and the field value is "self".

<b>Mandated password change for the 'csadmin' users on first FortiSOAR SSH login</b>	The 'csadmin' user is now mandated to change their FortiSOAR <i>default password</i> during their first <b>SSH</b> login. This enhances the security of your csadmin account and prevents unauthorized parties from accessing the administration account for FortiSOAR.
<b>Added the 'package' subcommand to csadm</b>	The 'package' subcommand has been added to FortiSOAR Admin CLI ( <code>csadm</code> ) to install, update, or remove connectors from your FortiSOAR system.
<b>Added an option to add a page break after each iteration in the 'Summary' Widget</b>	You can now choose to add a page break after each iteration of the Summary widget by selecting the <b>Print each record on new page</b> checkbox while configuring the widget. If this checkbox is selected, then for example, if you have configured your Summary widget to display critical alerts with their related incidents, then the summary of each critical alert along with its associated incidents get displayed in a new page.
<b>Enhanced global search to perform an exact text search</b>	Global search now supports 'Exact Text Search' so that the search does not split up text with spaces, @, etc and the search results contain the complete text.
<b>Enhancements made to the FortiSOAR mobile application</b>	Updated the FortiSOAR mobile application to be compatible with version 7.0.2 of the FortiSOAR platform. The FortiSOAR mobile application has also added support for the dark theme, so if you have selected the dark theme for your mobile, the FortiSOAR mobile application will also appear in the dark theme.
<b>Added support for new filters</b>	Support for new filters Is In List and Is Not In List has been added for the <code>Text</code> , <code>Picklist</code> , and <code>LookUp</code> field types.
<b>Added support for client-based certificate authentication to Secure Message Exchange</b>	<p>FortiSOAR v7.0.2 supports client-based certificate authentication to create connections between FSR agents or tenants and secure message exchange. This enhances security by ensuring that only trusted clients can connect to the secure message exchange.</p> <p>Prior to the 7.0.2 release, only basic authentication was supported. Now, the following types of authentications are supported:</p> <ul style="list-style-type: none"><li>• <b>Basic Authentication:</b> Uses username and password to create connections between FSR agent and secure message exchange.</li><li>• <b>Basic Authentication with Peer Verification:</b> Uses username and password to create connections between FSR agents or tenants and secure message exchange, and also performs 'Certificate Verification'.</li><li>• <b>Client Certificate Authentication:</b> Presents a certificate to the server which is signed by a trusted CA, and which uses the Common Name (CN) as the username when an agent or tenant tries to connect with the secure message exchange.</li></ul>
<b>Enhanced the Data Ingestion Wizard to work in case of connectors that require only the ingest playbook</b>	Prior to version 7.0.2, the Data ingestion wizard would fail if there are no <code>#fetch</code> or <code>#create</code> playbooks. However, there could be connectors that require only the <code>#ingest</code> playbook that contains a single action, which pulls data and creates records. Such connectors do not require the <code>#fetch</code> playbook since data is not required for custom module mapping and the <code>#create</code> playbook is not required since the 'Create Record' step is not needed. Therefore, from version 7.0.2 onwards the ingestion wizard has been enhanced to now work even if only the <code>#ingest</code> playbook is present.



**Updated built-in widgets**

All the built-in widgets that are part of the Widget Library are updated to version 2.0.0 in the 7.0.2 release to accommodate enhancements made in EWL and the changed folder structure. There have also been some bug fixes made in the respective widgets.

**Updated built-in connectors**

The following built-in connectors have been updated in the 7.0.2 release:

- Utilities connector updated to version 3.1.2
- SOAP connector updated to version 2.4.0

For more information on FortiSOAR Built-in connectors, see the "[FortiSOAR™ Built-in connectors](#)" article.

## Special Notices

This section highlights some of the operational changes that administrators should be aware of in FortiSOAR version 7.0.2.

### Optimized Playbook Logging

Version 7.0.2, FortiSOAR provides you with two logging levels `INFO` and `DEBUG` for your playbook execution logs. Administrators can set the global playbook logging levels and users can also set the logging level for individual playbook collections or playbooks.

`INFO` level playbook logging should be set for production instances and in scenarios where you want to use storage space efficiently and the `DEBUG` level can be set while designing or debugging playbooks



`INFO` is set as the default global playbook logging level for fresh installations of FortiSOAR. If you are upgrading FortiSOAR, then the `DEBUG` mode is set to ensure that there is no data loss.

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If you have upgraded FortiSOAR to 7.0.2, administrators should review the playbook logging levels for the instance since by default the global playbook logging level is set to `DEBUG`, which can lead to quickly filling up the storage space, and change it to `INFO` if they want to utilize storage space efficiently.

### Upgrading FortiSOAR clears the users settings on the "Mobile Setting" widget

Upgrading FortiSOAR also upgrades the "Mobile Setting" widget; however, note that settings that you have made in your "Mobile Setting" widget gets cleared and default settings of the upgraded "Mobile Setting" widget gets applied. If you want the settings that you have done on the "Mobile Setting" widget, then backup of the existing widget (export the existing widget) before the upgrade, and then post upgrade replace the content of the 'widgetAssets' folder in the upgraded widget.

## Upgrade Information

You can upgrade your FortiSOAR enterprise instance, High Availability (HA) cluster, or a distributed multi-tenant configuration to version 7.0.2 from versions 7.0.0 or 7.0.1 only. Also, once you have upgraded your configuration, you must log out from the FortiSOAR UI and log back into FortiSOAR.



When you upgrade FortiSOAR, all current users are treated as 'Named' users and associated restrictions are applied.

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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*.

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# Product Integration and Support

## Web Browsers

FortiSOAR 7.0.2 User Interface has been tested on the following browsers:

- Chrome version 93.0.4577.63
- Firefox version 92.0
- Internet Explorer Edge version 93.0.961.47

## Virtualization

This section lists FortiSOAR version 7.0.2 product integration and support for virtualization:

- Amazon Web Service AMI, Amazon EC2, Amazon EBS
- VMware ESXi versions 5.5, 6.0, and 6.5
- Linux KVM Redhat 7.1

## Resolved Issues

Following is a list of some of the important defects addressed in **FortiSOAR release 7.0.2**:

- **Bug #0665490**: Fixed the issue of draft (unposted) comments not getting auto-saved, i.e., if users used to navigate away from a page where they were typing some comment, or if they were auto-logged out, then those comments were lost.
- **Bug #0709307**: Fixed the issue of date ranges not working correctly when set to the last day of the month.
- **Bug #0717541**: Fixed the issue of ownership in case of the manual input step, i.e., in the case of the manual input step all users and teams could provide input. Now, only teams and users or teams who are authorized can provide inputs based on manual input ownership. You can now also add multiple users or teams as owners of a manual input.
- **Bug #0729386**: Fixed the issue related to users being unable to remove their profile image once it had been set. Now, there is a **Remove Image** button on the user's profile in on the `Edit Users` page for users to remove their profile image.
- **Bug #0729684**: Fixed a usability issue in the teams grid on the user profile page, i.e., when a user is assigned to a large number of teams, then it becomes difficult to scroll to teams and roles. Now, pagination has been added to the teams grid on the user profile page, making it easier to scroll to specific teams and roles.
- **Bug #0731769**: Fixed the issue the 'join-cluster' command failing due to timeouts. The value of the timeout has been increased so as to prevent the failure of the 'join-cluster' command.
- **Bug #0736817**: Fixed the issue that filters for non-English characters or special characters such as Japanese characters were not getting applied on the listing page.
- **Bug #0739708**: Fixed the issue that records that contained unsupported character sets such as Korean could not be exported in the PDF format. Now, we have provided the option to configure the fonts' CDN URLs and also provided a utility to build and bundle the font for 'pdfmake'. FortiSOAR uses 'pdfmake' to export the record data, in the PDF format, from the grid and view panel.
- **Bug #0744922**: Fixed the issue that you could not search for an email ID in the grid view of the Users page. Now, the 'Email' field type has been marked as 'Searchable' in the default fixtures, so that now you can search for an email on the grid view. Users who are on versions earlier than 7.0.2, can manually mark the 'Email' field type as 'Searchable' to search for emails on the grid view.



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