Preparing your Splunk Enterprise instance to upgrade to jQuery 3.5

At Splunk, we continuously focus on the security of Splunk Enterprise. As part of that effort, we announced the deprecation of libraries older than jQuery v3.5 in early 2021. These changes will enhance the security of your product, and will require action from you to update Classic (Simple XML) dashboards, HTML dashboards, applications installed from Splunkbase, and private applications.

Starting in the second half of calendar year 2022, we plan to remove support for jQuery libraries older than v3.5 in new versions of Splunk Enterprise.

Read an overview of the jQuery 3.5 upgrade here.

Step 1: Update your Classic (Simple XML) and HTML dashboards

Update Classic (Simple XML) dashboards that use jQuery libraries prior to v3.5

Because jQuery libraries affect Simple XML dashboards with custom JavaScript, dashboard versioning has been introduced starting in Splunk Enterprise 8.2.5.

- Simple XML Dashboard version 1.0
  - Dashboards load with older versions of jQuery
- Simple XML Dashboard version 1.1
  - Dashboards load with jQuery 3.5

Admins will need to work with dashboard owners to update Simple XML dashboards to v1.1.

As a Splunk Admin you can check the jQuery Upgrade dashboard to see which dashboards are affected. To open the jQuery Upgrade dashboard, open the Search & Reporting App and click Dashboards, then jQuery Upgrade Dashboard.

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HTML dashboards have been deprecated and can be rebuilt in one of the following ways:

1. Rebuild your HTML dashboards in Dashboard Studio. Dashboards created or rebuilt in Dashboard Studio don’t need updates for jQuery 3.5. For more information about Dashboard Studio, see What is the Splunk Dashboard Studio?

2. If Dashboard Studio is insufficient to replicate the functionality of your HTML dashboards, rebuild any remaining HTML dashboards as Classic (Simple XML) dashboards with custom JavaScript. Ensure that your new Simple XML dashboards rely on jQuery 3.5 or higher. For more information about building Simple XML dashboards, see Modify dashboards using Simple XML extensions.

3. If you cannot replicate your HTML dashboards with either Dashboard Studio or a Simple XML dashboard with custom JavaScript, you can write a single-page application (SPA) and fully package it with all of its dependencies. For more information on how to do this, see Update to jQuery 3.5.

Do not update Classic (Simple XML) or HTML dashboards that are provided by a third party app developer. App developers will be required to update their apps and dashboards. You will only need to update Classic (Simple XML) or HTML dashboards that were created by end users in your organization.

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Step 2: Update public and private apps that use jQuery libraries prior to v3.5

Make sure that you update all business-critical Splunkbase and private applications in time for the removal of older jQuery libraries. You should also review the jQuery Scan section in the Upgrade Readiness App, which has been introduced starting in Splunk Enterprise 8.2.5, to see which Splunkbase or private apps require an update.

For third-party apps, It is the app developer’s responsibility to ensure their applications are updated with jQuery v3.5. If you are unsure if a third-party app will be updated, you can contacting the application owner through the app page on Splunkbase via the Contact Developer option.

For more detailed guidance for admins, see the jQuery 3.5 Upgrade Manual.

Please ensure your Splunk Enterprise instance, dashboards, premium solutions, Splunkbase applications as well as private applications are upgraded to help us make your Splunk Enterprise instance more secure.

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