ScienceLogic

AP2 Espresso Release Notes

Version 8.7.37

SL1 AP2 Espresso version 8.7.37 Release

The Espresso release for AP2 version 8.7.37 includes feature enhancements to the **Enhanced Service Investigator**, **Dashboards**, **Device Investigator**, **Device Investigator Layouts** , and the **Events** page, including improvements to the **Timeline** panel, the addition of the **Device Dashboards** page, and a new text editor on the **Event Policy Editor** page.

IMPORTANT: AP2 releases are separate from SL1 platform releases to provide updates and improvements more frequently.

This release includes the following new features and enhancements:

- *Several updates to Enhanced Service Investigator page*
- *A new text editor on the Event Policy Editor page*
- Plus *several additional new features and enhancements*

These release notes provide a comprehensive list of the features, enhancements, and addressed issues that are included in this release.

This document covers the following topics:

Before You Install or Upgrade

Ensure you are running version 12.1.1 or later on an Oracle Linux 8 (OL8) instance of SL1, 12.2.1, or 12.2.0 before installing AP2 Espresso.

NOTE: For details on upgrading SL1, see the appropriate ***SL1 platform release notes***.

IMPORTANT: This update is available to both on-premises and cloud-based (SaaS) SL1 systems running 12.1.1, 12.2.0, or 12.2.1. The AP2 Espresso update must be administered to systems that host AP2. All SL1 systems must be on the same AP2 version.

Installing or Uninstalling AP2 Espresso

NOTE: You can find all AP2-related files on **AP2 Release Versions** page of the ScienceLogic Support site (SL1 Product Downloads > SL1 Platform > AP2 Releases).

To install AP2 Espresso version 8.7.37:

1. If you have not already done so, upgrade your SL1 system to either the 12.1.1 Oracle Linux 8 (OL8) release, 12.2.0 Oracle Linux 8 (OL8) release, or the 12.2.1 Oracle Linux 8 (OL8) release. For more information, about upgrading to those releases, see the appropriate ***SL1 platform release notes***.
    - If you are installing AP2 Espresso version 8.7.37 on SL1 version 12.1.1, proceed to step 2.
    - If you are installing AP2 Espresso version 8.7.37 on SL1 12.2.0 or 12.2.1, you can skip to step 5.
    - If you have already installed the `libem7` RPM file from the ScienceLogic Support site, proceed to step 5.

    NOTE: The AP2 Espresso RPM file does not support Aurora3 in an AWS environment.

2. If you are installing AP2 Espresso on SL1 version 12.1.1, download the `libem7` RPM file locally to your machine from the ScienceLogic Support site: https://support.sciencelogic.com/s/release-file/aBt4z000000GsHACA0/libem7
3. Either go to the console of the SL1 Database Server or use SSH to access the Database Server.
4. At the shell prompt, copy the RPM file to your SL1 system by running the following command:

```
scp -i <aws-system-pem>.pem -o StrictHostKeyChecking=no libem7-ipcserver-0.2.0-1.el8.x86_64.rpm em7admin@<system-ip-address>:/home/em7admin/
```

where:

- *aws-system-pem* is the PEM file for the AWS system.
- *system-ip-address* is the IP address of your SL1 system.

5. Download the AP2 Espresso RPM file locally from the ScienceLogic Support site: https://support.sciencelogic.com/s/release-file/aBtVL0000000C1B0AU/espresso
6. Either go to the console of the SL1 Database Server or use SSH to access the Database Server.
7. At the shell prompt, copy the RPM file to the AWS system by running the following command:

```
scp -i <aws-system-pem>.pem -o StrictHostKeyChecking=no nextui-
<espresso-release-ap2-version>.rpm em7admin@<system-ip-
address>:/home/em7admin/
```

   where:

   - *aws-system-pem* is the PEM file for the AWS system.
   - *espresso-release-ap2-version* is the AP2 Espresso release version.
   - *system-ip-address* is the IP address of your SL1 system.

8. Install the AP2 RPM file on your system by running the following command:

```
sudo yum install nextui-<espresso-release-ap2-version>.rpm
```

   where *espresso-release-ap2-version* is the AP2 Espresso release version.

9. Enter `y` to confirm the installation of the AP2 RPM file.
10. If you have not installed the `libem7` file and are installing it for the first time, proceed to step 11. Otherwise, skip to step 13.
11. Install the `libem7` RPM file on your system by running the following command:

```
sudo yum install libem7-ipcserver-0.2.0-1.el8.x86_64.rpm
```

12. Enter `y` to confirm the installation of the `libem7` RPM file.
13. After the installation of both RPM files is complete, run the following commands to reload the daemon service:

```
sudo systemctl enable libem7.socket
```

```
sudo systemctl start libem7
```

```
sudo systemctl daemon-reload
```

14. Restart the NextUI service by running the following command:

```
sudo systemctl restart nextui.service
```

NOTE: AP2 will be inaccessible for a few minutes after restarting the NextUI service.

15. To confirm that AP2 Espresso version 8.7.37 has been properly installed on your SL1 system, log in to SL1, click your username in the upper right corner of the page, select *About* from the drop-down field, and then confirm that the ***ap2*** field starts with 8.7.37.
16. If you are a STIG customer running SL1 version 12.2.1, you will need to manually install the node.js file. To do so, continue to step 16.
17. Download the OL8 baseOS package by running the following command:

```
curl -O
https://yum.oracle.com/repo/OracleLinux/OL8/baseos/latest/x86_
64/getPackage/oraclelinux-release-el8-1.0-9.el8.x86_64.rpm
```

18. Install the OL8 baseOS package to your device to get access to App Stream repositories by running the following command:

```
sudo dnf install oraclelinux-release-el8-1.0-9.el8.x86_64.rpm
```

19. Verify that the OL8 baseOS package is included in the App Stream repositories by running the following command:

```
sudo dnf repolist
```

20. Verify that "nodejs app stream" is included in the App Stream repositories by running the following command:

```
sudo dnf module list --all nodejs
```

21. Enable "nodejs:18" in the App Stream repositories by running the following command:

```
sudo dnf module enable nodejs:18
```

22. Install "node" in the App Stream repositories by running the following command:

```
sudo dnf module install nodejs
```

23. Verify that "global mode" can be found by running the following command:

```
which node
```

24. Create a `systemd` drop-in at `/etc/systemd/system/nextui.service.d/fips.conf`. This file should contain the following information:

```
[Service]
ExecStart
ExecStart=/usr/bin/node /opt/em7/nextui/index.js
```

25. After you have installed the OL8 baseOS package and created a `systemd` drop-in, run the following command to reload the daemon service:

```
sudo systemctl daemon-reload
```

26. Restart the NextUI service by running the following command:

```
sudo systemctl restart nextui.service
```

To uninstall the Espresso release features for AP2 version 8.7.37:

1. If you are uninstalling AP2 Espresso version 8.7.37 from SL1 version 12.1.1, proceed to step 2. If you are uninstalling AP2 Espresso version 8.7.37 from SL1 12.2.0, you can skip to step 5. If you are uninstalling AP2 Espresso version 8.7.37 from SL1 version 12.2.1, proceed to step 8.

   NOTE: The AP2 Espresso RPM file does not support Aurora3 in an AWS environment.

2. If you are uninstalling AP2 Espresso on SL1 version 12.1.1, you must download the 12.1.1 AP2 RPM file locally to your machine from the ScienceLogic Support site: https://support.sciencelogic.com/s/release-file/aBtVL00000002JZ0AY/nextui70012101-r351
3. Either go to the console of the SL1 Database Server or use SSH to access the Database Server.
4. At the shell prompt, copy the RPM file to the AWS system by running the following command:

   ```
   scp -i <aws-system-pem>.pem -o StrictHostKeyChecking=no nextui-
   <rollback-ap2-version>.rpm em7admin@<system-ip-
   address>:/home/em7admin/
   ```

   where:

   - *aws-system-pem* is the PEM file for the AWS system.
   - *rollback-ap2-version* is the Rollback AP2 Espresso version.
   - *system-ip-address* is the IP address of your SL1 system.

5. If you are uninstalling AP2 Espresso on SL1 version 12.2.0, you must download the AP2 RPM file locally to your machine from the ScienceLogic Support site: https://support.sciencelogic.com/s/release-file/aBt4z000000GsH0CAK/biscotti
6. Either go to the console of the SL1 Database Server or use SSH to access the Database Server.
7. At the shell prompt, copy the RPM file to the AWS system by running the following command:

   ```
   scp -i <aws-system-pem>.pem -o StrictHostKeyChecking=no nextui-
   <rollback-ap2-version>.rpm em7admin@<system-ip-
   address>:/home/em7admin/
   ```

   where:

   - *aws-system-pem* is the PEM file for the AWS system.
   - *rollback-ap2-version* is the Rollback AP2 Espresso version.
   - *system-ip-address* is the IP address of your SL1 system.

8. If you are uninstalling AP2 Espresso on SL1 version 12.2.1, you must download the AP2 Doughnut RPM file locally to your machine from the ScienceLogic Support site: https://support.sciencelogic.com/s/release-file/aBtVL00000008nB0AQ/doughnut
9. Either go to the console of the SL1 Database Server or use SSH to access the Database Server.

10. At the shell prompt, copy the RPM file to the AWS system by running the following command:

```
scp -i <aws-system-pem>.pem -o StrictHostKeyChecking=no nextui-
<rollback-ap2-version>.rpm em7admin@<system-ip-
address>:/home/em7admin/
```

    where:

    - *aws-system-pem* is the PEM file for the AWS system.
    - *rollback-ap2-version* is the Rollback AP2 Espresso version.
    - *system-ip-address* is the IP address of your SL1 system.

11. Install the RPM file on your device by running the following command:

```
sudo rpm -U --force --replacefiles nextui-<rollback-ap2-version>.rpm
```

    where *rollback-ap2-version* is the rollback AP2 version.

12. After the installation is complete, run the following commands to reload the daemon service:

```
sudo systemctl disable libem7.socket
```

```
sudo systemctl stop libem7
```

```
sudo systemctl deamon-reload
```

13. Restart the NextUI service by running the following command:

```
sudo systemctl restart nextui.service
```

Important Upgrade Notes for AP2 Espresso8.7.37

Global Manager Deployment

When deploying or upgrading Global Manager systems, the Global Manager stack and all of its child stacks must run on the same SL1 build version, as well as the same versions of AP2 and Oracle Linux.

New Features and Enhancements in AP2 Espresso version 8.7.37

This section describes the features and enhancements that are included in SL1 AP2 Espresso version 8.7.37.

Business Services

- **What's new:*Improved Enhanced Service Investigator page*.** The **Timeline** panel on the enhanced **Service Investigator** page now shows the health, availability, and risk statuses of your events in the last 7 days by default.

- **What's new:** ***Updated default Business Services policy.*** Device availability reflects the active status of constituent devices for physical and component devices.
  The following updates were made to support this enhancement:
    - Replaced availability vital metrics and the "All Devices" filter with "isActive=True".
    - Replaced the aggregation type of "Availability" with "Count".
    - Set the rule to "Available" if at least a device has the "IsActive=True" filter.
    - Updated the default aggregation factor for IT, Business, and Services Model service policies from "Average" to "Minimum".
- **For more information:**See the topic on "Using the Enhanced Service Investigator" in the **Business Services** manual.

Dashboards

- **What's new:** ***Added navigation to the Device Dashboards page in the classic SL1 user interface.*** You can now go to the **Device Dashboards** page (System > Custom > Device Dashboards). This link redirects you to the **Device Dashboards** page in the SL1 Classic user interface.
- **What's new:** ***Improved Dashboards page and widgets*** . Removed the 50 return limit for ***Interface*** widgets with the *Table* visualization and added infinite scroll.

> **NOTE:** ***Interface*** widgets with *Table* visualizations now displays information in the footer, such as the total, selected, and filtered counts.

Additional Dashboards Updates

- Updated and organized information in the footer of tables, such as the total, selected, and filtered counts.

Devices

- **What's new:** ***Device Investigator Layouts management optimization.*** You can now edit Device Investigator layouts, copy and save existing layouts with different names.
- **For more information:**See the topic on "Using the Device Investigator" in the **Managing Devices** manual.

Additional Devices Updates

- Added a "deviceGroup" search parameter to the "relatedNodes" query to support the upcoming ***Relationships*** widget in the **Device Investigator**.
- Updated the method for performing bulk actions to multiple devices on the **Devices** page. Previously, you could select from several action-specific icons at the top of the page. With this update, those icons have been replaced by an ***Actions*** drop-down menu that includes a list of available bulk actions. In addition, that drop-down menu now includes a new *Schedule Maintenance* option for scheduling maintenance events on multiple selected devices.

Events

- **What's new:** ***Added Table Preferences menu to the Events page.*** The new *Table Preferences* menu is now available from the **Grid Settings** menu. The *Table Preferences* menu includes the following toggles:
    - **Background Fill**
    - **Masked Events**
- **What's new:** ***New text editor for Event Policy Editor.*** Replaced the text editor on the **Event Policy Editor** page with a FROALA editor.

> **NOTE:** A FROALA editor is a front-end HTML editor for enabling text editing capabilities for web application, software, etc..

- **For more information:**See the topic on "Defining and Editing Event Policies" in the **Events** manual.

Additional Events Updates

- Removed the "experimental" labels from several GraphQL resources and are now standard fields.
- Updated the error messages in the **[Suppression]** tab on the **Event Policies** page for policies with invalid device IDs.

Additional New Features and Enhancements for Espresso

Devices

- When adding devices using the guided discovery process from the Discovery Sessions page (Devices > Discovery Sessions), devices for which your SL1 system does not have the required entities will now appear in a secondary section at the bottom with a new warning note. This note will specify why you cannot add the selected device and the necessary prerequisites.

GraphQL

- When you run a GraphQL query for an "Appliance" type, you will also get the current operating system version for that appliance.
- Added a "powerpackid" field to the "guidedDiscoveryWorkflow(s) GraphQL queries (read-only, searchable). This field displays the PowerPack ID. If the guided discovery workflow contains a reference to a PowerPack that is not installed on the system, it will return a placeholder object with its "powerpackId", and "name" which will display as "N/A", and the "id" as "-1".

Known Issues

The following known issues affect version 8.7.37 of the AP2 Espresso release:

- Organizations must have at least one or more accounts assigned to them to ensure the relevant services are saved. (Jira ID: SLUI-17810)
- The **[Set as Home Page]** button on the **Dashboards** page is disabled for newly created dashboards and existing dashboards that were imported. (Jira ID: SLUI-19539)
- Services that are added or created to the N-tier hierarchy have their ***RCA Options*** field set to *Disabled* by default. (Jira ID: SLUI-18852)

> IMPORTANT: The current solution to this issue is to edit the service you wish to configure by manually updating the ***RCA Options*** field to *RCA Enabled (contributors only)*.

- For services that have their ***RCA Options*** field enabled, and has had a child service removed, SL1 will not compute the health, availability, and risk values until the Service Topology Engine returns an updated topology, which occurs every 5 minutes by default. (Jira ID: SLUI-18853)

> IMPORTANT: Before deleting child services in a 3-tier hierarchy, check to see if the parent service has the ***RCA Options*** field *Enabled*, then set this field to *Disabled* if it is not already.

- When editing information about a collector group using the **Collector Groups** page (Manage > Collector Groups), when you click **[Save]**, SL1 might remove information about any Data Collectors aligned to that collector group, even if you did not make any such changes. To work around this issue, you can instead make changes to collector groups using the **Collector Group Management** page (System > Settings > Collector Groups). (Jira ID: SLUI-19657)
- When deleting a device from the **Devices** page from the ***Actions*** menu (⋮), the **Delete Devices** modal displays for an indefinite period of time. (Jira ID: SLUI-19738)

> IMPORTANT: The current solution to this issue is to select the checkbox next to the device(s) you want to delete, click **[Delete Devices]** to open the **Delete Devices** modal, then click **[Delete]**.

- When creating a template from a Business Service, you might receive an error if the number of constituents and maximum constituents are greater than the maximum number of policies, which has a default value of 100. To work around this issue, you must increase the maximum number of policies using a GraphQL mutation, replacing `<increased value>` with a larger numerical value such as "1000": (Jira ID: SLUI-19654)

```
mutation updateMaxValue{

  updateFeatureToggle(id: "system:BUSINESS_SERVICES_MAX_POLICIES",
  value: "<increased value>") {

    id
```

```
        value
    }
}
```

Copyrights and Trademarks

ScienceLogic, the ScienceLogic logo, and EM7 are trademarks of ScienceLogic, Inc. in the United States, other countries, or both.

Below is a list of trademarks and service marks that should be credited to ScienceLogic, Inc. The ® and ™ symbols reflect the trademark registration status in the U.S. Patent and Trademark Office and may not be appropriate for materials to be distributed outside the United States.

- ScienceLogic™
- EM7™ and em7™
- Simplify IT™
- Dynamic Application™
- Relational Infrastructure Management™

The absence of a product or service name, slogan or logo from this list does not constitute a waiver of ScienceLogic's trademark or other intellectual property rights concerning that name, slogan, or logo.

Please note that laws concerning use of trademarks or product names vary by country. Always consult a local attorney for additional guidance.

Other

If any provision of this agreement shall be unlawful, void, or for any reason unenforceable, then that provision shall be deemed severable from this agreement and shall not affect the validity and enforceability of any remaining provisions. This is the entire agreement between the parties relating to the matters contained herein.

In the U.S. and other jurisdictions, trademark owners have a duty to police the use of their marks. Therefore, if you become aware of any improper use of ScienceLogic Trademarks, including infringement or counterfeiting by third parties, report them to Science Logic's legal department immediately. Report as much detail as possible about the misuse, including the name of the party, contact information, and copies or photographs of the potential misuse to: legal@sciencelogic.com. For more information, see https://sciencelogic.com/company/legal.

800-SCI-LOGIC (1-800-724-5644)

International: +1-703-354-1010