



# Open Location Platform

## Release Notes

Version 1.5.2

# Important Information

## Notices

---

**Topics:**

This section contains document notices.

- [Legal Notices](#)
- [Document Information](#)

## Legal Notices

---

© 2018 HERE Global B.V. and its Affiliate(s). All rights reserved.

This material, including documentation and any related computer programs, is protected by copyright controlled by HERE. All rights are reserved. Copying, including reproducing, storing, adapting or translating, any or all of this material requires the prior written consent of HERE. This material also contains confidential information, which may not be disclosed to others without the prior written consent of HERE.

### Trademark Acknowledgements

HERE is trademark or registered trademark of HERE Global B.V.

Other product and company names mentioned herein may be trademarks or trade names of their respective owners.

### Disclaimer

This content is provided "as-is" and without warranties of any kind, either express or implied, including, but not limited to, the implied warranties of merchantability, fitness for a particular purpose, satisfactory quality and non-infringement. HERE does not warrant that the content is error free and HERE does not warrant or make any representations regarding the quality, correctness, accuracy, or reliability of the content. You should therefore verify any information contained in the content before acting on it.

To the furthest extent permitted by law, under no circumstances, including without limitation the negligence of HERE, shall HERE be liable for any damages, including, without limitation, direct, special, indirect, punitive, consequential, exemplary and/ or incidental damages that result from the use or application of this content, even if HERE or an authorized representative has been advised of the possibility of such damages.

## Document Information

---

### Product

Name: Open Location Platform

Version: Version 1.5.2

### Document

Name: Open Location Platform Release Notes

ID: bc41af1-1525272304-827c58ac

Status: FINAL

Date: 2018-May-02, 14:45 (GMT)

---

# Contents

---

<b>Chapter 1: Overview</b> .....	<b>6</b>
Highlights.....	7
<b>Chapter 2: Changes</b> .....	<b>8</b>
New Features.....	9
Functional and Behavioral Changes.....	10
API Changes.....	10
Resolved Issues.....	10
Known Issues.....	11
Limitations and Workarounds.....	12

# Chapter 1

## Overview

---

### Topics:

- [Highlights](#)

This document provides a summary of important changes for this version. Apart from newly resolved issues and added or improved functionality, this document also includes information about known issues remaining in this release as well as any existing limitations and workarounds.

## Highlights

---

The Open Location Platform powers collaborative location intelligence for the next generation of products and services. The platform accelerates development of applications through Big Data processing and integrated access to rich location content and services.

Open Location Platform provides the following capabilities:

- **Data:** Store and access location related data, including built-in HERE map data, as well as your own ingested streams and batches of data.
- **Pipelines:** Develop and deploy processing logic that runs at scale, using Apache Flink for stream processing, Apache Spark for batch processing, or HERE data processing and location enrichment libraries for spatio-temporal processing.
- **Notebooks:** Perform ad-hoc analysis using Apache Zeppelin and HERE location data.
- **Schemas:** Declare the structure of your data, so that it can be used by others.

Developers can access and manage these capabilities in one of the following ways:

- **Portal:** Interactively manage Data and Pipelines, and access developer resources, such as the SDK and documentation, via a browser.
- **SDK:** Download libraries, tools, and examples to assist with local development of pipelines, and to transmit data to and from the Platform via external systems.
- **APIs:** Programmatically deploy and manage Platform resources such as Data and Pipelines through REST interfaces.

Developers can monitor and debug deployed pipelines, data ingestion, and other operational processes through:

- **Metrics:** See operational metrics in standard dashboard views.
- **Logs:** Search and analyze pipeline and process logs using a hosted Splunk instance.

Account Administrators can control Platform access for their account by managing Users, Groups, and their corresponding Permissions.

## Chapter 2

# Changes

---

### Topics:

- [New Features](#)
- [Functional and Behavioral ...](#)
- [API Changes](#)
- [Resolved Issues](#)
- [Known Issues](#)
- [Limitations and Workaround...](#)

This section documents major changes to the release that may require the updating of affected applications.



## New Features

---

This Open Location Platform release contains the following new functionality or improvements:

### Data

- Get access to severe weather event advisories in more than 80,000 locations around the world through the built-in HERE Weather Forecast catalog. Event advisories are for the subsequent 6 and 24 hours, and include the following types:
  - Heavy rain
  - High wind
  - Severe thunderstorm
  - Winter storm
  - Extreme low temperature
  - Extreme high temperature
  - Hail storm
  - Tornado
  - Wind chill
  - Dense fog
  - Precipitation type (fog and hail)
- Provide and manage your own custom schemas, including:
  - Upload a custom schema (with documentation and dependencies).
  - Associate a layer with its schema.
  - Manage Data and Schema permissions in the Portal UI; including: list permissions granted, and grant, edit as well as revoke permissions.
- Create multiple layers at a time within a single catalog.

### Notebooks

- Use the new Notebooks User Guide to learn about the concepts, how to integrate with other OLP services, as well as how to troubleshoot issues that may arise.
- Access over 40 new sample notebooks that demonstrate how to analyze, enrich, and visualize location based data using HERE Map Content and Location Library.
- Simplify access to data with a new version of the Spark Data Service Connector, eliminating the need to pass in a repository username/password and a reference to a schema. See the Notebooks User Guide for more details.

### Pipelines

- Use the Pause, Resume, and Upgrade operations to have full control over your pipelines, via the Portal UI, OLP CLI, and the Pipelines API.

### Operations, Support, and Account Administration

- Subscription Plans and Billing
  - View all available subscription plans and contact a HERE Sales Associate, using our updated site at <https://openlocation.here.com/en>.
  - Monitor your usage through the new 'Current' and 'Billable' dashboards.
  - Request changes to your plans or organization details through the new 'My Organization' page in the profile menu, via the Portal UI.
- Technical Support

- ◻ A list of code examples are now available at <https://openlocation.here.com/en>.
- ◻ Get your technical questions answered in our new community support forum on Stack Overflow at <https://openlocation.here.com/en/plans/service-level-agreement>.
- Policy Updates
  - ◻ Review the service commitments in our newly published Service Level Agreement (SLA) policy, available at <https://openlocation.here.com/en/plans/service-level-agreement>.

## Functional and Behavioral Changes

---

The following list contains functional and behavioral changes in this current release:

- Documentation, Release Notes and FAQ are now located at <https://openlocation.here.com/en>.
- Pipelines
  - ◻ Portal UI:
    - Delete button is disabled for a Pipeline (and Pipeline Version) in Running state.
    - Auto-refresh of Pipeline details.
    - Alert when a user tries to leave the Pipeline Configuration page with unsaved changes.
  - ◻ From OLP version 1.5.5, the Pipeline Service API v1 will be deprecated. While Pipelines in the Running state will continue to run, users won't be able to create new pipelines. You must migrate your pipelines to the API v2 using the procedure described at <https://developer.here.com/olp/documentation/pipeline-user-guide/topics/backward-compatibility.html>.

## API Changes

---

No APIs were added, changed, or removed in this release.

## Resolved Issues

---

The following section summarizes major issues resolved in this release:

- Pipelines can't be Paused, Resumed, Upgraded from Portal, CLI, or API.
- In the Portal UI, a Pipeline Version is not automatically updated after the Pipeline Template has been created. Therefore, it takes some time for the Activate button for that Pipeline Version to get enabled.
- From the Pipeline list in the Portal UI, clicking on the Output catalog for a pipeline doesn't take the user to the catalog information and instead shows the Pipeline's details page with its version list.
- Not being able to delete a running/scheduled Pipeline. The Portal UI doesn't prevent user from trying to delete a running pipeline/version. If the user tries, an error message is displayed.
- When configuring pipelines in the Portal UI, if the user specifies two input catalogs with the same identifier and then deletes one before fixing the validation, the user won't be able to add any new catalogs.
- Sometimes, in the Portal UI, a pipeline could be saved without valid catalogs.

### Portal UI

- In the Pipeline Version Configuration page, the TaskManagers or Executors field limit was 15. It has been increased to 9999.

- Pipeline Cluster Configuration can't be changed when using an existing Pipeline Template.
- Fixed Pipelines' Updated timestamp.
- Fixed Pipelines' Last Run timestamp.
- Fixed Pipelines' Elapsed Time calculation.

## Known Issues

---

The following list contains issues known to be present in the current release:

- Notebooks currently use a snapshot release of Apache Zeppelin version 0.8 instead of a fully-supported release (version 0.7.3). This is because map visualization requires version 0.8 or newer. There may be stability concerns with initial Notebook release.
- Notebooks only support Python 3.
- Notebooks do not support Flink.
- Notebooks do not contain support for Streaming Layers.
- Notebook sessions are valid for one hour. After one hour, users will need to return to the Portal UI to refresh their session.
- Sample notebooks for the Location Library have not been updated for compatibility with version 1.5 of the library.
- Clicking on "Spark UI" in Zeppelin UI opens new tab with unreachable IP.
- Some traffic incidents aren't currently published in Real-Time Traffic's Incident Layer due to a missing translation between map referencing systems.
- HERE Reality Index Base catalog will stop updating after this release. Users should start using HERE Map Content catalog as soon as it becomes available to continue receiving incremental update.
- Changes from HERE Reality Index Base to HERE Map Content are:
  - Renaming of layers
  - Split of HERE Reality Index Base Road layer into
    - HERE Map Content: Road Attributes
    - HERE Map Content: Navigation Attributes
    - HERE Map Content: Advanced Navigation Attributes
  - Removal of following conditions from HERE Reality Index Base: Road
    - Truck-restrictions (future release candidate)
    - Environmental zones (future release candidate)
    - Junction Views (future release candidate)
    - Segment to Core Map Link references (new catalog available for early adopters)
  - Move of the following HERE Reality Index Base: Lane attributes to the HERE Map Content: Navigation Attributes layer
    - Lane Category
    - Through Lane Count
    - Physical Lane count
- OLP does not have full e2e data encryption in place, in-flight or at rest.
- Schemas with the "\_" character in their GroupIDs cannot be published using the OLP Artifact Wagon plugin.
- Pipelines can access the Internet outside of the platform. We don't officially support this behavior, and may prevent this in a future release. So, please take caution in connecting pipelines to external resources.

- The character-limit for Input Catalog and Output Catalog fields is 62. The Portal UI currently allows a user to specify more than 62 characters.
- When updating permissions, it can take up to an hour for changes to take effect.
- Portal UI and Notebooks are not compatible with Internet Explorer.
- Data visualization in the Portal is only available for versioned and volatile layers and only for data formatted according to SDII format, GeoJSON format or HERE Map Content Topology layer format.
- Compute, Storage, and Transfer metrics are not fully available within Monitoring and Alerts.
- Create a Schema section in Data User Guide refers to deploy your created schemas to the Open Location Platform artifact repository. This feature was erroneously documented for 1.5.1.
- When creating input catalogs, if the user creates two catalogs with the same key and then deletes one before fixing the validation, the user won't be able to add any new catalogs.
- Sometimes, a pipeline could be saved without valid catalogs.
- OLP SLA does not cover the ability for user to write Data to versioned or stream layer.

## Limitations and Workarounds

This section lists known limitations and, if available, related workarounds in the current release:

**Table 1: Limitations and Workarounds**

Limitation	Workaround
If a user follows instructions to publish a schema, the UI shows a cryptic variable name instead of the user provided schema description.	Modify the schema.yml file before publishing the schema to include the correct description.
This error might occur during schema publishing: "Could not find artifact "artifactId"_v"majorVersion"_proto:zip".	Simply republish the schema and it should work without error.
Some number of older catalogs are temporarily not shareable as catalog owners don't have the permission assigned to them yet. This only impacts older catalogs, meaning not any new catalogs created.	Report each occurrence as a bug.
A finite number of access tokens (~250) can be generated for each app or user. This number reduces, depending on the number of resources included.	Create a new app or user if you reach that limitation.
Limited data encryption in the 1.5 release. This encryption is limited to data retained in the stream layer per the user's data retention configuration. There is no encryption for data at rest. Additionally, in-flight data is not encrypted end-to-end, throughout the service.	Data requiring encryption should not be stored inside the HERE Open Location Platform at this time.
Creating Catalogs and Layers using App credentials in the SDK does not automatically enable a user who created those credentials to discover, read, write, manage and share those resources.	Using the credentials with which the catalog was created, the catalog can be shared with users, apps or groups.
Pipelines are not private to a User by default; they must be shared with exactly one Group when created.	Share the Pipeline with a Group containing only one User.
Pipelines can only be shared with specific Users if these Users belong to the same Group.	Share the Pipeline with a Group containing the specific set of Users.

# Open Location Platform Release Notes

## ► Changes



Limitation	Workaround
All Users and Apps in a Group are granted permissions to perform all actions on a Pipeline associated with that Group. There is no support for Users or Apps with limited permissions, for example, a reduced role that can only view Pipeline status, but not start and stop a Pipeline.	Limit the Users in a Pipeline's Group to only those Users who should have full control over the Pipeline.
Pipelines are not automatically granted permissions to read Data Catalogs that the User owns.	Data owners must share Data Catalogs with the Group selected when the Pipeline was created.
Pipeline Templates can't be deleted from the Portal UI.	Use CLI or API to delete Pipeline Templates.
A Batch Pipeline Version can't be forced to run from the Portal UI. It will run on its own when the input catalog version is updated.	Use API to force a Batch Pipeline Version to run or wait for the input catalogs' version to update. For more details, see Troubleshooting section in the Pipelines Developer's Guide.
In the Portal UI, a Pipeline Version is not automatically updated after the Pipeline Template has been created. Therefore, it takes some time for the Activate button for that Pipeline Version to get enabled.	Wait for a few minutes and refresh the Pipeline Versions page. The Activate button will get enabled.
The custom run-time configuration for a Pipeline Version has a limit of 64 characters for the property name, and 255 characters for the value.	There is no workaround. Users must stay within this limitation.
From the Pipeline list in the Portal UI, clicking on the Output catalog for a pipeline doesn't take the user to the catalog information and instead shows the Pipeline's details page with its version list.	Open the Output catalog link in a new tab to view the details.
A running or scheduled pipeline can't be deleted. Also, if the user tries to delete a running pipeline/version from the Portal UI, the error message is not displayed.	Cancel or Deactivate the pipeline and then delete.
In the Portal UI, when viewing the Jobs and Operations for a Pipeline Version, the new Jobs and Operations are not automatically added to the list while the list is open.	Refresh the Jobs and Operations pages to see the latest job or operation in the list.
Only a finite number of permissions is allowed for each app or user in the system across all services. It will be reduced depending on the inclusion of resources and types of permissions.	Delete Pipelines/Pipeline Templates to recover space.
Pipeline Service will try to restart the pipeline in certain failure scenarios.	Users will have to cancel the pipeline to stop system from keep trying.
Within Notebooks, clicking on Spark Job while the job is running in Zeppelin opens new tab with unreachable IP. This is a known issue with Zeppelin and reverse proxies.	The user should not click on the given link.