



Open Location Platform

Release Notes

Version 1.5.5

Important Information

Notices

Topics:

This section contains document notices.

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

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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. For more information, see the [HERE Open Location Platform website](#).

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 (OLP) release contains the following new functionality or improvements:

- Added submit feedback feature in the support panel (Click Support in upper left corner).
- Metrics: Added operational metrics for OLP Notebooks to allow you to investigate your Spark jobs and Apache Zeppelin. For more information, see the Metrics and Logs User Guide (<https://developer.here.com/olp/documentation>).
- In Portal UI, layers using the following schema can now be visualized:
 - RIB Cartography
 - RIB Building Footprints
 - RT Traffic Flow

Functional and Behavioral Changes

There are no functional or behavioral changes in this release.

API Changes

- New Volatile Blob REST API. For more information, see the Data API Developer's Guide.
- As of OLP 1.5.5 release, the user access to Pipeline Service API v1 has been disabled. A new Pipeline Service API v2 was launched in 1.5.1/1.5.2 to help users create and deploy pipelines easily and reliably. Users should use the API v2 and the latest versions of CLI and Portal UI. To migrate the pipelines to the Pipeline Service API v2, follow the Migration procedure documented in the Pipeline User Guide's Appendix. To learn about API v2, see the Pipeline API Documentation.
- Customers will need to use a new Volatile Blob API for publishing to and getting data from a Volatile Layer. Usage of Blob API for interacting with Volatile Layers is now deprecated.

Resolved Issues

The following section summarizes major issues resolved in this release:

- Data Client Library documentation updated to address the following issue: Stream Pipeline does not run with Consumer Settings.
- Updated the Title and Description of Compute Dashboards in Grafana.
- Latest CLI release resolves the issue where a user creating Catalogs and Layers using App credentials does not automatically enable a user who created those credentials to discover, read, write, manage and share those resources (solution is specific to the CLI at this time).

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 the 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, you need to return to the Portal UI to refresh your session.
- Some traffic incidents aren't currently published in Real-Time Traffic's Incident Layer due to a missing translation between map referencing systems.
- 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
- Pipelines can access the Internet outside of the platform. We don't officially support this behavior, and may prevent this in a future release. Be careful when connecting pipelines to external resources.
- The character-limit for the 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 the SDII, GeoJSON, or HERE Map Content Topology layer formats.
- Compute, Storage, and Transfer metrics are not fully available within Monitoring and Alerts.
- When creating input catalogs, if you create two catalogs with the same key and then delete one of the catalogs before fixing the validation, you won't be able to add any new catalogs.
- Sometimes, a pipeline can be saved without valid catalogs.
- The OLP SLA does not cover writing data to a versioned or steam layer.
- Portal UI: Pipelines list page might be slow to load all the elements.

Limitations and Workarounds

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

Table 1: Limitations and Workarounds

Limitation	Workaround
Occasional HTTP 500 failures when attempting to read and write from a Volatile Layer.	Retry the request.
Some older catalogs cannot be shared temporarily because the catalog owners don't have permissions assigned to them yet. This limitation only applies to older catalogs.	Report each occurrence as a bug.
A finite number of access tokens (~250) are available for each app or user. Depending on the number of resources included, this number may be smaller.	Create a new app or user if you reach the limitation.
Limited data encryption. Encryption is limited to: <ul style="list-style-type: none"> Versioned data at rest for new versioned layers Data retained in the stream layer per the user's data retention configuration (Time to Live) Notebooks In-flight data is not encrypted end-to-end, throughout the service 	Customers sending sensitive data or personal information to OLP at this time should opt out of doing so. Existing versioned catalog data will be encrypted in an upcoming OLP release with no additional work necessary by customers.
Creating Catalogs and Layers using App credentials via the Data API, Client Library 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.
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 the 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 the API to force a Batch Pipeline Version to run or wait for the input catalogs' version to update. For more details, see the Troubleshooting section in the Pipelines Developer's Guide.
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.

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Limitation	Workaround
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 are 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.
The Pipeline Service will try to restart the pipeline in certain failure scenarios.	Users will have to cancel the pipeline to stop the system from trying.
Portal UI: During Pipeline Version configuration, when a user selects a catalog and then removes it, the same catalog doesn't reappear in the list of available options.	Refresh the page for the catalog to re-appear in the list.
HERE Reality Index Base catalog has not been updated since late March 2018 and will be deprecated on July 1 2018.	All OLP users should use the HERE Map Content catalog for developing with the HERE Map.