Open Location Platform
Release Notes

Version 2.0.1

Important Information
Notices

Topics:

- *Legal Notices*
- *Document Information*

This section contains document notices.

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Contents

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 2.0.1 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 updating affected applications.

New Features

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

HERE Marketplace

Improved management of Marketplace Listings. Marketplace Providers now have more control over Listings, including the ability to:

- Delete a Listing.
- Edit a published Listing.
- Invite additional Marketplace Consumers to view a published Listing.

HERE Content

The HERE Map Content catalog has been updated with new layers, including:

- HERE Places (Premium Content) - A global and comprehensive set of places-of-interest in a broad range of categories, with standard and rich attribution.
- Places for HERE Essential Map (Standard Content) - A selection of HERE Places categories for basic use.
- Places Metadata (Standard Content) - A metadata layer providing text descriptions for components in the HERE Places and Places for HERE Map Essentials layers.

Functional and Behavioral Changes

Pipelines

- When upgrading a Stream Pipeline to a new Pipeline Version, the total processing downtime experienced due to the upgrade has been reduced; it previously could take up to 15 minutes to upgrade a Stream Pipeline, and now takes between 25 seconds and 2 minutes.

API Changes

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

Resolved Issues

The following section summarizes major issues resolved in this release:

Portal UI

- Fixed: For a pipeline version running for more than a day, the elapsed time doesn't show the Day count.
- Fixed: It is not possible to create a pipeline version if the billing tag was specified and then removed.
- Fixed: While editing a pipeline's logging levels, the logger name in the table is inappropriately capitalized.

Known Issues

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

- Marketplace:

    □ When a Marketplace Provider grants data access to a Marketplace Consumer, there can be a delay before the Consumer can see the data catalog in their licensed data area.

    □ When a Marketplace Consumer manager shares a licensed data catalog with internal users, there can be a delay before internal users see the data catalog in their data area.

- Several PDF documents have formatting errors.

- Notebooks only support Python 3.

- Notebooks do not support Flink.

- Notebooks do not contain support for Streaming Layers.

- Some traffic incidents aren't currently published in Real-Time Traffic's Incident Layer due to a missing translation between map referencing systems.

- Pipelines can access the Internet outside of the platform. HERE doesn't officially support this behavior, and may prevent this in a future release. Take caution in connecting pipelines to external resources.

- In the Pipeline API, the character-limit for inputCatalogHRN and outputCatalogHRN fields is 62. The Portal UI currently allows a user to specify more than 62 characters in the Pipeline Configuration page.

- 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 11.

- Data visualization in the Portal UI is only available for versioned and volatile layers. You can create visualization for your schemas by creating a GeoJSON renderer. Initially, however, the only data that can be visualized is formatted according to the following schema formats:

    □ GeoJSON

    □ HERE Reality Index Topology

    □ HERE Reality Index Building Footprints

    □ HERE Reality Index Cartography

    □ HERE Traffic Flow

    □ SDII

- Compute, Storage, and Transfer metrics are not fully available within Monitoring and Alerts.

- Catalogs not associated with a realm are not be visible in OLP.

- The OLP SLA does not allow users to write Data to a versioned or stream layer.

- Portal UI: Pipelines list page might be slow to load all the elements.

    □ Upon activating a Pipeline Version, the corresponding job has a null state till it starts running.

- The system may not be able to detect the stream layer type and display the text pub-UNKNOWN on the Marketplace usage dashboard

Limitations and Workarounds

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

Table 1: Limitations and Workarounds

Limitation	Workaround
Marketplace users do not receive stream data usage metrics when reading data directly from Kafka.	Users must write data to a Stream layer using the Ingest REST API to receive usage metrics. Users must read data from a Stream layer using the Data Client Library configured for HTTP Connector to receive usage metrics.
Splunk servers can lose usage metrics.	If users suspect they are losing usage metrics, contact HERE technical support as soon as possible. Support can help rerun queries and validate data.
If you are a Workspace user and have pipelines directly connected to a stream, no messages-in and bytes-in metrics can be collected.	Users can instrument their pipelines with custom messages-in and bytes-in metrics. Contact HERE technical support, if required.
After a Consumer Manager grants data access to internal users, they cannot revoke access.	First create a group, add users, and then grant data access. A Consumer Manager can add and remove users from the group as required.
After a Catalog is marked "Marketplace Ready," the Catalog may take up to 2 hours to appear in the Provider Management Group's list of Catalogs.	Contact HERE technical support if a Provider Management Group cannot view a Marketplace Ready catalog after more than 2 hours.
When a Provider accepts a Semi-Private info request from a Consumer, the Consumer can no longer view the request in their "Requests" tab.	A Marketplace Consumer can find the listing in the "Find data" tab or follow the link in the original invitation email.
HTTP 5xx failures when attempting to read and write from a Volatile and Versioned Layer.	Retry the request.
Some older catalogs cannot be shared temporarily because catalog owners don't have the required permissions. This limitation only applies to older catalogs.	Report each occurrence as a bug.
Incomplete e2e in-flight data encryption: • In-flight data encryption is not consistently implemented across all component services.	Customers should first evaluate the risk associated with sending sensitive/personal information to OLP.
Creating Catalogs and Layers using App credentials via the Data API or Client Library does not automatically enable the user to discover, read, write, manage, and share these resources.	Using the credentials with which the catalog was created, the catalog can be shared with users, apps or groups.
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.

Limitation	Workaround
Limited data encryption. Encryption is limited to: • 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 considering sending sensitive data or personal information to OLP at this time should opt out. Existing versioned catalog data will be encrypted in an upcoming OLP release with no additional work necessary by customers.
Pipelines are not private 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 they belong to the same group.	Share the Pipeline with a group containing a 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 users in a Pipeline's Group to only those who require full control over the Pipeline.
Pipelines are not automatically granted permissions to read data catalogs owned by the user.	Data owners must share data catalogs with the group selected when the Pipeline was created.
Pipeline templates can't be deleted from the Portal user interface.	Use the CLI or API to delete Pipeline templates.
A Batch Pipeline Version can't be forced to run from the Portal user interface. It will run, however, 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.	For the property value, there is no workaround. Users must stay within this limitation. For property names, users can define a shorter name in the configuration and map that to the actual, longer name within the pipeline code.
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 Status Dashboard can be edited by users. Any changes made by the user will be lost when updates are published in future releases. Also, the dashboard will not be available for user edits in a future release.	Duplicate the dashboard or create a new dashboard.
A Pipeline can still be activated after a catalog is deleted.	The pipeline will fail when it starts running and will show an error message about the missing catalog. Check the missing catalog or use a different catalog.