

## FARGO Connect PHP SDK v1.4.0 Release Notes:

### New features and enhancements

- Added a **JobStatus** class containing constants for the supported job status values.
- Added a **submitDate** property to the **Job** class. The **submitDate** property contains the job submission date in the form of a DateTime value referenced to the UTC time zone. Use the **setTimeZone** method of the DateTime class if a time zone other than UTC is required.
- Added a **lastUpdate** property to the **Job** class. The **lastUpdate** property contains the job last update date and time in the form of a DateTime value referenced to the UTC time zone. Use the **setTimeZone** method of the DateTime class if a time zone other than UTC is required.
- Added a **serviceData** property to the **Job** class. The **serviceData** property contains the results returned from optional services performed during job processing. This initial release includes support for the **Card Read Service** which performs in-line reading of technology card chip serial numbers and PACS data during card printing. Please see the code comments in the **CardReadResults** and **CardEdgeData** classes for additional implementation details.
- Added a **listJobsForTimePeriod** method to the **JobApi** class to allow jobs within a defined look back period to be queried (e.g. jobs submitted within the last N minutes, hours, days etc.). This method addresses a common use-case of displaying a list of recent jobs. Please see the method documentation for additional details.
- Added a **listJobsForDateRange** method to the **JobApi** class to allow jobs within a defined date range to be queried. This method addresses a common use-case of displaying a list of past jobs for a specific timeframe. Please see the method documentation for additional details.
- Added **organizationalUnitName** and **locationName** properties to the **Location** class to support the common use-case of displaying a list of available locations for location selection purposes.
- Added **organizationId** and **organizationName** properties to the **ProductionProfile** class to support the use-case of displaying a list of available production profiles across multiple organizations.
- Added **listPrintDestinations** and **listPrintDestinationsForOrg** methods to **DeviceApi** to support the common use-case of displaying a list of available print destinations.
- Added a **listOrganizationLocations** method to **OrganizationApi** to support the use-case of displaying a list of locations for an organization.
- Added a **listProductionProfilesForOrg** method to **ProductionProfileApi** to support the use-case of displaying a list of production profiles for an organization.
- Added a **getProductionProfile** method to **ProductionProfileApi** to support the use-case of retrieving an individual production profile by production profile unique Id.

- Added a **setServerProtocol** method to the **CardServicesClientConfig** to support the configuration of connection protocol without requiring modifications to SDK sources.
- Added an **addServiceOption** method to the **CardRequestService** class to support configuration of job service options. See the constants in the **PrinterOption** class and the sample application for an example of configuring the card printer input hopper selection.

#### Breaking Changes:

- Modified the **Client** class constructor to accept an object of type **CardServicesClientConfig** in place of individual parameters. The use of a configuration object provides greater flexibility and allows for the possibility of optional configuration settings. Please see the provided sample application and SDK code comments for additional details.
- Renamed the **Service** class to **CardRequestService** and streamlined the job request creation and submission process. Please see the provided sample application for an example of the simplified job submission workflow.
- Renamed the **jobId** property of the **Job** class to **jobUniqueId** for consistency with the C# and Java SDKs.
- Renamed the **name** property of the **Location** class to **locationName** for consistency with the C# and Java SDKs.
- Renamed the **organizationUnitId** property of the **OrganizationalUnit** and **Location** classes to **organizationalUnitId** (“al” suffix added”) for consistency with the C# and Java SDKs.
- Removed the **LocationApi** and **OrganizationalUnitApi** classes and corresponding **getLocationApi()** and **getOrganizationalUnitApi()** methods from the **Client** class. The methods from the removed classes are now contained in the **OrganizationApi** class. References to the **getLocationApi()** and **getOrganizationalUnitApi()** methods should be replaced with the **getOrganizationApi()** method.
- Removed the **listJobs** method from the **JobApi** class. Methods **listJobsForTimePeriod** and **listJobsForDateRange** were added as replacements for to the **listJobs** method. These new methods provide additional capabilities and address performance considerations.
- Modified **ProductionProfileApi** to simplify the production profile configuration process and align the SDK design with the C# and Java SDKs. Please see the provided sample application for usage of the revised production profile API.
  1. Modified the **getProductionProfileParams** method of **ProductionProfileApi** to return a **ProductionProfileConfig** object in place of an array of **ProductionProfileParameter** objects. This change eliminates the step of creating a **ProductionProfileConfiguration** object.

2. Replaced the **ProductionProfileConfiguration** class with a new **ProductionProfileConfig** class that contains the profile unique Id and production profile parameters. The profile parameters previously were returned directly by the **getProductionProfileParams** method.
  3. Modified the **configureProductionProfile** method of the **ProductionProfileApi** to accept the new **ProductionProfileConfig** class in place of the **ProductionProfileConfiguration** class.
- Changed the **shippingAddress** property of the **OrganizationalUnit** and **Location** classes from type **BillingAddress** to **ShippingAddress**. This change should have minimal impact on existing code beyond the class name change since both address classes currently have identical properties.
  - Enabled strict enforcement of isolation between organizations for the PHP SDK for consistency with the C# and Java SDKs. This change was necessary to support the multi-tenancy requirements of the HID FARGO Connect cloud offering. Applications using the HID FARGO Connect client SDKs are now able to see and access only objects contained within the organization for which the SDK API Key was issued. This change should have little if any impact on existing SDK integrations since all existing production deployments of HID FARGO Connect are configured with a single organization. SDK users requiring cross-organizational access can use separate API Keys to access individual organizations. Official SDK support for cross-organizational roles and permissions are planned for a future release of HID FARGO Connect to provide greater flexibility for multi-tenant aware applications.