



# STATIC DATA

## Technical - Overview

Integration Team

February 2018

# AGENDA



- Overview
- Web services
- Samples



**GPP can maintain Static data profiles in its own system and allows users to upload static data profiles in GPP via web services ”**

# WEB SERVICES



- Apply Changes Service
- Load Profile Service
- Profile Action Service
- Profile List Service

# APPLY CHANGES SERVICE



This service enables a **Third Party Application** to apply recent updates that were made to specific profiles.

The same functionality is accessible using the **Apply Changes** dialog box in the GPP user interface.

## Processing

- The profile IDs in the **<profileIDs>** tag are converted to cache IDs.
- Related caches are evaluated
- Invalid profile IDs are ignored
- Changes are applied and the cache is refreshed for each valid profile ID.
- A response is returned

# LOAD PROFILE SERVICE



The service enables a third party application to retrieve a single entry per profile by providing both the **profile unique ID** and the **entry unique ID**.

## Processing

- The input parameters are validated.
- Profile query is generated.
- All relevant attributes are returned.

# PROFILE ACTIONS SERVICE



This service enables a third party application to perform different actions on a static data profile, such as **Save**, **Hold**, **Delete** and **Activate**.

These action buttons are taken from **GPP user interface**.

## Processing

- The input parameters are validated. When the profile ID cannot be found or is not provided, an error is generated.
- The list of applicable profile IDs is defined in the system (MENU\_ITEMS.ITEM\_ID).
- Profile query is generated.
- These are valid statuses (selection from system table FIELDS\_VALUES with FIELD\_TYPE = 'REC\_STAT').

Code	Description
AC	Active
CR	Create
DL	Delete
HL	Hold
NW	New

# PROFILE ACTIONS SERVICE - FUNCTION



This table includes the important functions (Static Data Actions) support by this service.

Button	Description	Function Name	Button	Description	Function Name
Decline	Where a profile is pending approval (status PN), reverts to previous values	profileDecline	Save	Saves a new profile entry into the database, or updates an existing one with some new or changed values. Information saved can be values for the generic profile attributes, but also values for Custom Fields configured if configured.	profileSave
Approve	Approves a pending profile (status PN) and applies the proposed (pending) new attribute values. Sets new status to AC (active)	profileApprove	Hold	Sets an existing entry to status hold (until a further time is defined by Effective Date attribute)	profileHold
N/A	<p>Enables multiple actions on multiple records in a single request. This service can be used for static data uploads.</p> <p>Supports all actions for this service using these values in the <b>ProfileActionType</b>:</p> <ul style="list-style-type: none"><li>• <b>SV</b>: Save</li><li>• <b>HD</b>: Hold</li><li>• <b>DL</b>: Delete</li><li>• <b>AC</b>: Activate</li><li>• <b>DC</b>: Decline</li><li>• <b>AP</b>: Approve</li></ul> <p>Note: When working from several threads against several GPPs,</p> <ul style="list-style-type: none"><li>• The sender thread must wait until a request is complete, meaning there is a successful SOAP response for the specific request before sending the 'APPROVE'.</li><li>• The processing duration of a request to change a profile is significantly longer compared to the processing duration of the APPROVE message. This means that when a request for change and an APPROVE for that profile are sent asynchronously, in most cases the handling of the APPROVE request will finish before the first request is done, and the record will stay in PENDING state.</li><li>• Apply Changes is NOT relevant in this activity, as the UI displays the database status, and not the cache. This means that there is no need to send apply_changes after each request or approve, in order for the updates to the profiles to appear in the UI. Apply changes is only applied on the cache for processing purposes.</li></ul>	profileMultiActions	Delete	Deletes (soft delete: set status to DL) a specific entry	profileDelete
			Activate	Changes a specific status to AC (active)	profileActivate



# PROFILE LIST SERVICE












The Get Profile List service enables a third party application to retrieve any related reference data (also known as profiles in GPP) by providing a set of query criteria. The service assesses the relevant selected profile and returns the matching results. For example, from the Parties profile, get a list of parties (BIC, party name and address) where BIC is like 'FNDTGB22%'. The service response would be all entries from the Parties profiles that meet this search criterion.

## Processing

- The input parameters are validated. When the profile ID cannot be found or is not provided, an error is generated.
- Required columns are checked. If a column is not found in the database, it is ignored and a relevant log entry is made in **nonExistCols**.
- Profile query is generated.
- Results are returned

# EXAMPLES SUMMARY

Service	Request	Response
Apply Changes Service	 Request.xml	 Response.xml
Load Profile Service	 Request.xml	 Response.xml
Profile Action Service	 ProfileSave.xml  ProfileMultiActions.xml	 ProfileSaveResponse.xml
Profile List Service	 Request.xml	 Response.xml

# Thank you

**Arnab Podder**  
Integration Team

[alexander.perman@finastra.com](mailto:alexander.perman@finastra.com)

 @FinastraFS

 Finastra LinkedIn

 Finastra YouTube