

itid-api-fw-resource-feed - Technical Details

Resourcefeeder API is designed to update services with resource and type details based on Environment and Process Types. It delegates resource feed at three levels: Middleware, DataCenter and DBAI. The detailed flow of the same is shown as below:

Command: java -jar itid-api-fw-resource-feed.jar ENV=UAT ProcessType=DBAI

How does it connect and talk to external resources?

Resource feed API includes HTTPClient Utility that delegates all connection management and data exchange via HTTP methods over HTTP protocol maintaining secure connection using SSL authentication.

How does it authenticate with various feeds? Connects over SSL via username password to fetch all data resources under DBAI inventories. DBAI inventories are scrolled for each resource feed page wise and its dumped as pre work done as part of preprocessing.

What are main feeds: There are three main resource feeds- Middleware, Datacenter and DBAI. Each maintains service data along with owner data. This involves- service id, service owner, owner email, host server details and its meta data.

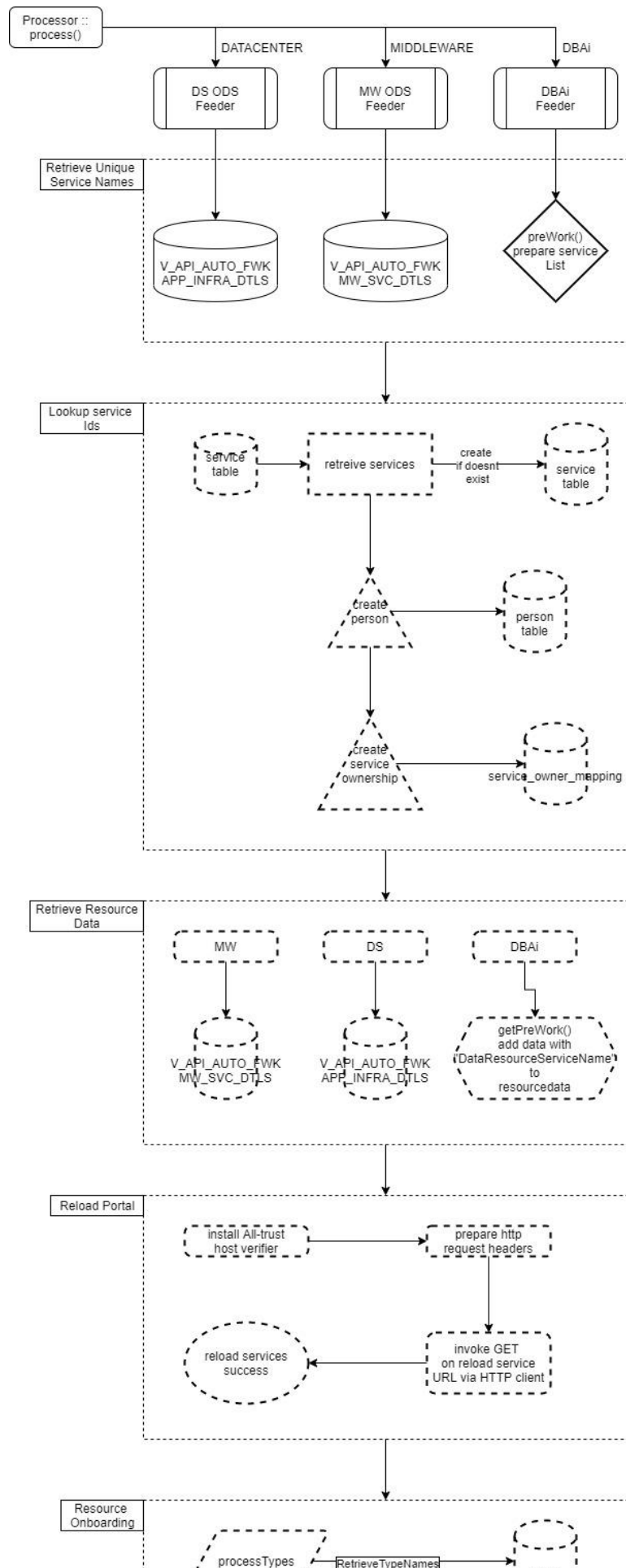
Who maintains feeds at time of writing: [Feeds are always processed via environment details and process type data.](#)

How do we test the feed is correct? By validating it against Data resource type, data resource name along with host name and environment details.

Anything from feeds that is important: Unique service names are mapped to their respective owner data in distinct manner for each feed. For DBAI- service names are mapped to owner data via resource data fetched as part of preprocessing. For Middleware and Datacenter- service names are mapped to owner data via direct DB queries involving retrieval from V_API_AUTO_FWK_MW_SVC_DTLS and V_API_AUTO_FWK_APP_INFRA_DTLS tables respectively.

Entitlements validation and person creation is another task handled as part of resource feed api. Processing involves first a check for service that are doesn't exist in specific environment and then creating those which doesn't exist. Further a create person action is also executed using service owner data fetched in earlier steps. This processing also creates service to owner mapping in service_owner_mapping table. Finally, services are reloaded to make sure updates are reflected via ITIDSP/PerformAction/reloadservice endpoint.

Views involved, groups service accounts it run it as:



Class diagram is shown as below:

