Fivetran - Extract Load Transform App

Architecture

Fivetran is an Automated Extract Load Transform platform that helps Dynatrace to move data from different sources to our Data Warehouses (Heroku Postgres or Snowflake)
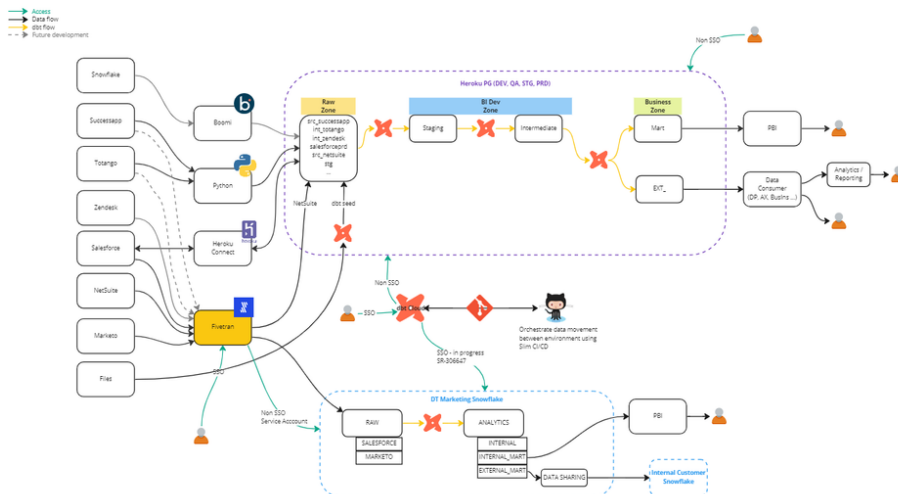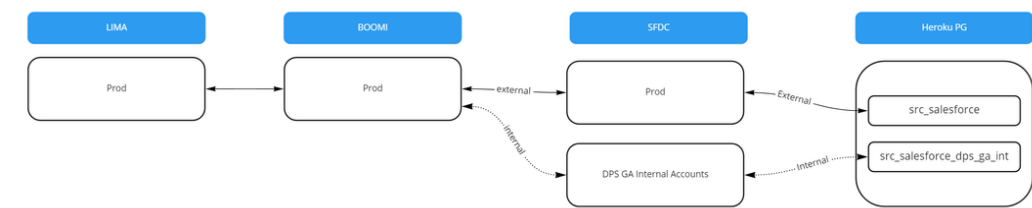

Environment

Heroku

General

Heroku creates one distinct application with one distinct database (add-on) and one distinct credential per environment (see Heroku Environment here).
Each environment is connected to one source environment. For instance Salesforce DEV is replicated into Heroku PG DEV. Zendesk Staging is replicated in Heroku PG STG.

Exception

In some cases, one environment need to be connected to 2 source environments. For instance, for DPS GA, we will have 2 salesforce sources to accommodate internal customers and external customers.

Snowflake

Snowflake creates multiple databases (one per environment) in the same tenant, hence using the same credential for all environments/databases.
Each source environment is connected to one database.

Naming Convention

Heroku PG

General

Schema name: src_<application_name> (i.e. src_salesforce or src_zendesk)

Exception

If there is a need for 2 source environments in one Heroku environment:

source	target database	target schema	Note
salesforce prd	Heroku PG PRD	src_salesforce	Use general rule
salesforce dps ga internal	Heroku PG PRD	src_salesforce_dps_ga_int	Add a suffix to the schema with specific information about the source

Snowflake

Schema name: <application_name> (i.e. salesforce or marketo)

Current Connectors and Administrators

Heroku Destination

Source	Method	Target	Database	Target Schema	Frequency	Connector Admin	Note
Jira PRD	Standard	Heroku PG PRD	d5lblgv4vjgptk	src_jir	5 minutes	@Jay Nelson / @Rainy Li	
Zendesk STG	Standard	Heroku PG STG	d5bsf666umklbm	src_zendesk	30 minutes	@Rainy Li	
Zendesk Prod	Standard	Heroku PG PRD	d5lblgv4vjgptk	src_zendesk	1 hour	@Rainy Li	
Totango	Lambda Function	Heroku PG STG	d5bsf666umklbm	src_totango	24 hours	@Rainy Li	
Totango	Lambda Function	Heroku PG PRD	d5lblgv4vjgptk	src_totango	24 hours	@Rainy Li	
NetSuite PRD	Standard	Heroku PG PRD	d5lblgv4vjgptk	raw_netsuite	24 hours	@Nick Catania / @Rain Harrigan	

NetSuite SB1	Standard	Heroku PG STG	d5bsf666umk lbm	raw_netsuit e	24 hours	@Nick Catania / @Rain Harrigan	
NetSuite SB3	Standard	Heroku PG DEV	df1gpgfh2dvj ac	src_netsuit e_sb3	1 hour	@Nick Catania / @Rain Harrigan	

Snowflake Destination

Source	Method	Target	Database	Target Schema	Frequency	Connector Admin	Note
Salesforce	Standard	wmbjbcq-dt_businesssystems_dw	raw_prd	salesforce	60 minutes	@Thierry Krumeich	
Salesforce DPS INT	Standard	wmbjbcq-dt_businesssystems_dw	raw_prd	salesforce_dps_int	60 minutes	@Thierry Krumeich	
Salesforce HARD	Standard	wmbjbcq-dt_devbusinesssystems_dw	raw_hrd	salesforce	6 hours	@Thierry Krumeich	
Salesforce QA	Standard	wmbjbcq-dt_businesssystems_dw	raw_qa	salesforce	6 hours	@Thierry Krumeich	
Salesforce DEVV2	Standard	wmbjbcq-dt_businesssystems_dw	raw_dev	salesforce	6 hours	@Thierry Krumeich	
UKG	Lambda Function	wmbjbcq-dt_peopleandculture_dw	raw_prd	ukg	24 hours	@Rainy Li	
Marketo	Standard	wmbjbcq-dt_marketing_dw	raw_prd	marketo	24 hours	@Indranil Konar	

Related articles

- dbt (data building tool) - Dynatrace Best Practices
- Fivetran - Extract Load Transform App
- dbt (data building tool) - First Time Login