JIRA Tickets

A JIRA or EDE ticket should be the origin of the request.

Request to update Analytics

Update dbt model(s) ?

no → **Follow Analytics (PBI & Sigma) Development Life Cycle Process**

—yes→

Identify impacted dbt models using dbt documentation, especially DAG

Log into DBT, select a project, open documentation and select Lineage Graphic

Communicate with model(s) owner prior to updating upstream model(s)

Use slack #bi-dbt-data-building-tool to communicate changes with the model(s) and analytic(s) owner. Owner informations are stored in yaml file

Pull from main branch, create feature branch

Use dbt best practices and naming convention

Update models, test locally and document test result

Update model(s), update yaml file(s) if required, materialized in personal schema, perform unit and integration testing, document results.

Commit change and create pull request

Commit: Explain in a short sentence the rational of the update, specifying the JIRA ticker if possible.
Pull Request: Enter the requested information in the PR.

One approval, Code Owner review and successful dbt test are required prior to merge to main branch

DEV, QA, HARD/STG and PRD branches are protected.
Requires one approval other than the developer (creator of the PR)
Requires Code Owner review and approval.
Requires DBT tests to be successful.

Delete the feature / fix branch

To keep the repo manageable, delete the feature/fix branch after merging to main branch.
Delete branch can be recovered in needed.

[Optionaly] Create a PR and Merge code to higher main branch

If needed, deploy code to other upper main branches:
DEV to QA or HARD/STG
QA or HARD/STG to PRD

Communicate completion of DBT change(s)

Optimal Direct Promotion - Heroku DEV/QA/HARD or STG /PRD - GitHub
Non Power BI Life Cycle

feature rainy

feature tapan

feature rinkesh

PR   PR   PR

DEV or QA or HARD/STG or PRD

Model(s) materialized in personal schema using dbt run in IDE

Model(s) materialized in staging, intermediate and mart schema using DBT jobs

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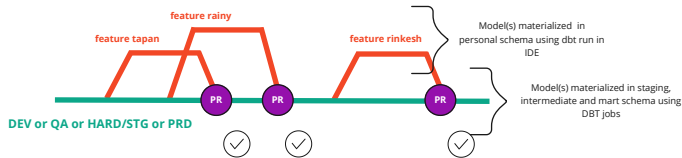
Optimal Undirect Promotion - Heroku PRD - GitHub
Proposed Power BI Life Cycle

Same source for PROD_UAT and PROD

feature rainy

feature tapan

feature rinkesh

PR   PR   PR

PROD_UAT

PR

PRD

Model(s) materialized in personal schema using dbt run in IDE

Model(s) materialized in staging_UAT, intermediate_UAT and mart_UAT schema using DBT jobs

Model(s) materialized in staging, intermediate and mart schema using DBT jobs