VECTOR E

DBT CORE & CLOUD TRAINING

DBT CURRICULUM

Why to choose Vector E?

- Best curriculum in the market
- resoanable & affordable price
- course offered by industry experts
- 24/7 support

Introduction to dbt

- dbt in modren data stack
- Snowflake with dbt — Accelerating Data Teams
- dbt Cloud vs dbt Core
- Setting up dbt Cloud
- dbt Cloud IDE Overview
- Setting up dbt Core
- dbt supported data platforms
- dbt supported version control
- Initialize dbt project
- Materializations

Models

- Models in dbt
- Model folders/layers
- Building first model
- dbt run
- config block
- Building Modularly
- ref functions
- Naming Convention of Models

Sources

- What are sources
- Configure sources
- Select fom sources
- dbt source freshness

Seeds and Incremental Materialization

- Creation of seed data
- run the seed
- creation of incremental model
- run the incremntal model
- change seed data
- test incremental model

dbt tests

- Tests & Significance
- Understanding datasets in data model
- Generic tests - unique, not_null, accepted_values, relationships
- Singular tests
- Testing sources
- Custom generic tests
- Implementing testing steps in workflow
- dbt build
- Data validations

dbt documentation

- Documentation significance
- Dcoumentation in dbt

- Updating dbt docs
- doc blocks in mark down file
- Implementing source, table, and column
- descriptions in .yml files
- generating a documentation site using dbt docs
- model and data lineage on the DAG

Deployment & Environments

- deployment vs development environments
- Setting up environments
- Understanding environment's connections
- Creating jobs and configuring job settings
- Job Triggers - Schedule, webhooks, API

Git Version Control

- About Git & Version control
- Git branches & functionalities
- Commits & pull requests
- Merging code

dbt pipelines

- staging models
- transform models
- understanding errors
- dbt plugins
- using dbt packages

- Query Tag
- Creation of Snapshots

Additional concepts

- Jinja and macros
- Working with variables

Best Practices

• Design best practices for ADF

• Security best practices

• Performance optimization tips

• Troubleshooting common issues

Additional Resources

• Documentation and tutorials

• Blogs and articles

• Community forums and support

Q&A Sessions

• Regular Q&A sessions to address participant questions

• Dedicated time for troubleshooting and discussion

This comprehensive curriculum covers all essential aspects of dbt core & cloud, including advanced topics and hands-on practice.