|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Modules/Lessons** | | | **Labs** |
| **Day 1** | * Greenplum Fundamental Concepts   + The Basics of Data Warehousing   + Greenplum Concepts, Features, and Benefits   + Greenplum Architecture – Shared Nothing and MPP   + Greenplum Product Overview * Database Installation and Initialization   + Systems Preparation and Verification   + Greenplum Database Initialization * Greenplum Database Tools, Utilities, and Internals   + Using PSQL Client and Greenplum Utilities | | | * Lab Preparation and Initialization * Greenplum Product Overview * Systems Preparation and Verification * Pivotal Greenplum Database Initialization * Using the PSQL Client and Greenplum Utilities |
| **Day 2** | * Greenplum Database Tools, Utilities, and Internals (Cont)   + Pivotal Greenplum Command Center   + Greenplum Database Server Configuration   + Greenplum Database Internals * Defining and Securing the User Database   + Data Definition Language   + Data Manipulation Language and Data Query Language | | | * Greenplum Database Server Configuration * Database Internals * Data Definition Language * Data Manipulation Language and Data Query Language |
|  | | **Modules/Lessons** | **Labs** | | |
| **Day 3** | | * Defining and Securing the User Database (Cont)   + Roles, Privileges, and Resources * Data Loading and Distribution   + Implementing Table Storage Models, Compression, and Tablespaces   + Data Loading   + Table Partitioning * Database Management and Archiving   + Managing the Greenplum Database   + Backups and Restores | * Roles, Privileges, and Resources * Controlling Access * Table Management * Data Loading * Table Partitioning * Managing the Greenplum Database * Backups and Restores | | |
| **Day 4** | | * Data Modeling and Design   + Data Modeling   + Physical Design Decisions * Performance Analysis and Tuning   + JOIN Tables – Types and Methods   + Database Tuning   + Query Profiling   + Explain the Explain Plan – Analyzing Queries | * Data Modeling * Physical Design Decisions * Database Tuning * Explain the Explain Plan – Analyzing Queries | | |

|  |  |  |
| --- | --- | --- |
| **Day 5** | * Performance Analysis and Tuning (Cont)   + Improve Performance with Statistics   + Indexing Strategies * Developing Reports Using Advanced SQL * Advanced Reporting Using OLAP * PostgreSQL Functions * Advanced SQL Topics and Performance Tips | * Improve Performance with Statistics * Indexing Strategies * Advanced Reporting Using OLAP * PostgreSQL Functions |