Teradata 14 Certification Exams Objectives

The high level objectives represent the general content areas.   The more detailed information below the objective indicates representative topic areas. All Teradata 14 functions and features that fall within the stated objective areas are eligible topics on an exam.

TE0-147 Teradata 14 Comprehensive Mastery

- Workload Management
    - Utilize system and workload level events in TASM.
    - Define, set up and apply workloads, exception rules, throttles, and SLES 11 Priority Scheduler.
    - Evaluate workload behavior and utilization in SLES 11.
    - Identify and solve AWT exhaustion problems.
    - Control utility session usage across multiple application areas.
    - Evaluate and implement workload management on the appliance on the SLES 11 platform.
- Performance Management and Query Optimization
    - Use statistics collection effectively and appropriately.
    - Use DBQL to identify performance optimization opportunities.
    - Identify when to use and how to implement indexes (PI, SI, JI, AJI, PPI etc.)
    - Evaluate query preformance and implement performance optimizations.
- Database Design
    - Identify when to use and how to implement columnar.
    - Identify when to use and how to implement partitioning (PPI and MLPPI).
    - Identify when to use Temporal.

- Configuration/Space Management and Capacity Planning
  - Estimate resource requirements for an application.
  - Evaluate the usage and effects and the monitoring of compression.
  - Evaluate the usage, effects and the monitoring of system capacity.
- Data Management and Integration
  - Utilize and optimize data load strategies within and across multiple applications.
  - Identify areas for data integrity improvements.
  - Identify methods to improve single-system availability.
  - Determine methods and processes to route queries and synchronize data in a multi-system environment.

EXAM REFERENCES

The following list of references may assist as you study for the Teradata 14 Comprehensive Mastery Exam. This is not a comprehensive list and should be used in conjunction with the formal training and experience recommendations. References may be downloaded from the Teradata Information Products website **http://www.info.teradata.com/**.

Visit **www.teradata.com/certification** for information on the detailed exam objectives, training and practical experience recommendations, practice questions, authorized study guides and available mobile Apps.

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Database Design, Release 14.0	B035-1094-111A
Database Administration, Release 14.0	B035-1093-111A
SQL Data Definition Language Syntax and Examples, Release 14.0	B035-1144-111A
Temporal Table Support, Release 14.0	B035-1182-111A
Release Summary, Release 14.0	B035-1098-111A
Teradata Parallel Transporter Reference, Release 14.00	B035-2436-071A
Performance Management, Release 13.10	B035-1097-109A
Unity Director User Guide, Release 14.00	B035-2520-013K
Teradata Viewpoint User Guide, Release 14.01	B035-2206-112KA