

Exam Objectives – Teradata 12 Certification Track

Use the convenient matrix as a reference to Teradata 12 Certification exam objectives and requirements. A suggested range of experience and recommended Teradata courses are included for your reference. Click each exam title to view [exam topics](#) for each Teradata 12 exam.

Suggested Experience	Required Exams		Recommended Teradata Courses
Baseline Certifications Baseline certifications are the foundation of the Teradata 12 Certification Track. These certifications reflect a strong grasp on Teradata fundamentals in the areas of key concepts, distinguishing features and market discriminators, Teradata SQL, and physical design and implementation. Baseline certifications serve as prerequisites to the more advanced job role exams that lead to higher level certifications. A range of 6 months to 2 years practical experience is suggested.	Teradata 12 Certified Professional		
	TE0-121 - Teradata 12 Basics <i>1 Exam must be passed first</i>	Introduction to the Teradata Database	
	Teradata 12 Certified Technical Specialist		
	TE0-121 - Teradata 12 Basics TE0-122 - Teradata 12 SQL TE0-123 - Teradata 12 Physical Design and Implementation <i>3 Exams to be passed in sequential order</i>	- Introduction to the Teradata Database - Teradata SQL - Advanced Teradata SQL - Physical Database Design - Physical Database Tuning	
Job Role Certifications Teradata 12 job role certification levels are considered the premier Teradata certifications. Individuals certified at job role levels are equipped to demonstrate proficiency that extends beyond baseline certification levels into job role functionality critical to the operation of a Teradata Database. A range of 2 to 3 years practical experience is suggested.	Teradata 12 Certified Database Administrator		
	TE0-121 - Teradata 12 Basics TE0-122 - Teradata 12 SQL TE0-123 - Teradata 12 Physical Design and Implementation TE0-124 - Teradata 12 Database Administration <i>4 Exams to be passed in sequential order</i>	- Introduction to the Teradata Database - Teradata SQL - Advanced Teradata SQL - Physical Database Design - Physical Database Tuning - Teradata Application Utilities - Teradata Warehouse Management - Teradata Warehouse Administration	
	Teradata 12 Certified Solutions Developer		
	TE0-121 - Teradata 12 Basics TE0-122 - Teradata 12 SQL TE0-123 - Teradata 12 Physical Design and Implementation TE0-125 - Teradata 12 Solutions Development <i>4 Exams to be passed in sequential order</i>	- Introduction to the Teradata Database - Teradata SQL - Advanced Teradata SQL - Physical Database Design - Physical Database Tuning - Teradata Application Utilities - Teradata Application Design and Development	
	Teradata 12 Certified Enterprise Architect		
	TE0-121 - Teradata 12 Basics TE0-122 - Teradata 12 SQL TE0-123 - Teradata 12 Physical Design and Implementation TE0-125 - Teradata 12 Solutions Development TE0-126 - Teradata 12 Enterprise Architecture <i>5 Exams to be passed in sequential order</i>	- Introduction to the Teradata Database - Teradata SQL - Advanced Teradata SQL - Physical Database Design - Physical Database Tuning - Teradata Application Utilities - Teradata Warehouse Management - Teradata Warehouse Administration - Teradata Application Design and Development	

Suggested Experience	Required Exams	Recommended Teradata Courses
Mastery Certification	Teradata 12 Certified Master	
The elite Teradata 12 Certified Master credential may be earned by Teradata Certified individuals who have achieved all Teradata 12 baseline and job role certifications. Ideal candidates have 5 or more years of practical experience as well as theoretical and applied knowledge about Teradata SQL, physical design and implementation, database administration, solutions development, and enterprise architecture; plus the ability to work effectively within diverse architectural environments, to teach and mentor others, and to provide thought leadership on Teradata technology. 5+ years hands-on experience highly recommended.	• TE0-121 through TE0-126: Successful completion of all exams and certifications • TE0-127 - Teradata 12 Comprehensive Mastery 7 Exams to be passed in sequential order* *Path for V2R5 Certified Masters (only): • TE0-120 - Teradata 12 Qualifying Exam for V2R5 Masters (required to complete before TE0-127) • TE0-127 - Teradata 12 Comprehensive Mastery	All Recommended Teradata Courses for the six core Teradata 12 exams: • Introduction to the Teradata Database • Teradata SQL • Advanced Teradata SQL • Physical Database Design • Physical Database Tuning • Teradata Application Utilities • Teradata Warehouse Management • Teradata Warehouse Administration • Teradata Application Design and Development 5+ years hands-on experience highly recommended

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The Teradata 12 exams include the following topics:

TE0-121 Teradata 12 Basics Exam

Topics include:

- Teradata Product Overview
- Processing Types and Characteristics
- Data Warehouse Architectures
- Relational Database Concepts
- Teradata RDBMS Components and Architecture
- Database Managed Storage
- Data Access Mechanics
- Data Availability Features
- Teradata Tools and Utilities
- Workload Management
- Security and Privacy

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TE0-122 Teradata 12 SQL Exam

Topics include:

- Teradata Extensions
- Data Definition Language (DDL)
- Data Manipulation Language (DML)
- Data Control Language (DCL)
- Views and Macros
- Logical and Conditional Expressions
- Data Conversions and Computations
- CASE Expressions
- Subqueries and Correlated Subqueries
- Joins
- Attribute and String Functions
- Set Operations
- Analytical Functions
- Time/Date/Timestamp/Intervals (ANSI vs. TERADATA)
- Stored Procedures Concepts
- Aggregations
- SQL Optimization Concepts
- Advanced SQL Concepts

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TE0-123 Teradata 12 Physical Design and Implementation Exam

Topics include:

- Physical Database Design Overview
- Table Attributes
- Column Attributes
- Statistics
- Primary Indexes
- Secondary Indexes
- Other Index Considerations
- Transaction Isolation
- Physical Database Operations
- Teradata Query Analysis
- Database Space Management

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TE0-124 Teradata 12 Database Administration Exam

Topics include:

- System Software Setup and Parameters
- User and Security Management
- Session Management
- Load and Extract
- System Administration Tools
- System Workload Analysis and Management
- Performance Optimization
- Capacity Management and Planning
- Business Continuity
- Object Maintenance

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TE0-125 Teradata 12 Solutions Development Exam

Topics include:

- The solutions development process: data integration and access, performance analysis tools, and data model characteristics
- Solutions development considerations: physical design, data integration, data access performance, partitioning, security, privacy, and APIs.
- The solutions development planning process: capacity, security, and data warehouse administration planning, and analyzing solution performance metrics
- Solutions development strategies: advanced SQL functions, table selection, transaction mode, coding constructs, transaction types, NULL processing, and recursive queries
- Data integration strategies: load utilities, export options, load strategies, referential integrity, and locking.
- Solutions optimization: performance improvement, statistics collection, secondary and join indexes, understanding EXPLAINS, and Load utility performance.

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TE0-126 Teradata 12 Enterprise Architecture Exam

Topics include:

- General concepts
- System Planning and Space Management
- Optimization
- Data Integration (data source to database target)
- Data Protection
- Data Governance
- Information Delivery Strategies

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TE0-12Q Teradata 12 Qualifying Exam for V2R5 Masters

Topics include: all topics from the six core Teradata 12 exams:

- [Teradata 12 Basics \(TE0-121\)](#)
- [Teradata 12 SQL \(TE0-122\)](#)
- [Teradata 12 Physical Implementation and Design \(TE0-123\)](#)
- [Teradata 12 Database Administration \(TE0-124\)](#)
- [Teradata 12 Solutions Development \(TE0-125\)](#)
- [Teradata 12 Enterprise Architecture \(TE0-126\)](#)

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TE0-127 Teradata 12 Comprehensive Mastery Exam

NOTE: 5+ years hands-on experience highly recommended
Topics include:

- Workload Management
- Performance Management and Query Optimization
- Database Design
- Configuration Management and Capacity Planning
- Data Availability and Security
- Application Integration and Optimization
- Data Management and Integration

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www.Teradata.com/Certification

