

20465DC

**Designing a Data Solution
with Microsoft SQL Server
2014**
3 DAYS

The focus of this three-day instructor-led course is on planning and implementing enterprise database infrastructure solutions by using SQL Server 2014 and other Microsoft technologies. It describes how to consolidate SQL Server workloads and how to plan and implement high availability and disaster recovery solutions.

Module 1: Introduction to Enterprise Data Architecture

Considerations for Enterprise Data
Assessing an Existing Infrastructure

Module 2: Multi-Server Configuration Management

Policy-Based Management
Microsoft System Center

Module 3: Monitoring SQL Server 2014 Health

Introduction to Health Monitoring
Data Collector
SQL Server Utility

Module 4: Consolidating Database Workloads with SQL Server 2014

Considerations for Database Server Consolidation
Managing Resources in a Consolidated Database Infrastructure

Module 5: Introduction to Cloud Data Solutions

Overview of Cloud Computing
SQL Server in a Private Cloud

Module 6: Introduction to High Availability in SQL Server 2014

High Availability Concepts and Options in SQL Server 2014
Log Shipping

Module 7: Clustering with Windows Server and SQL Server 2014

Introduction to Windows Server Failover Clustering
SQL Server AlwaysOn Failover Cluster Instances

Module 8: AlwaysOn Availability Groups

Introduction to AlwaysOn Availability Groups
Working with AlwaysOn Availability Groups
Considerations for Using AlwaysOn Availability Groups

Module 9: Planning High Availability and Disaster Recovery

High Availability and Disaster Recovery with SQL Server 2014
SQL Server High Availability and Disaster Recovery Solutions

Module 10: Replicating Data

SQL Server Replication
Planning Replication