

SQL Oracle 10G Advanced

Course Content

DISASTER RECOVERY

- Planning a Backup Strategy
- Backing Up Databases
- Scheduling Your Backups
- Verifying Backup Media
- Restoring Databases
- Using Database Snapshots

FAILOVER CLUSTERING

- High Availability Overview
- SQL Server 2005 Failover Cluster
- Preparing a Server Cluster
- Creating a New Cluster
- Installing SQL Server 2005 Failover
- Adding Additional SQL Server Nodes

DATABASE MIRRORING

- Understanding Mirroring
- Setting Up Database Mirroring
- Monitoring Database Mirroring

LOG SHIPPING

- Overview
- Configuring Log Shipping
- Monitoring Log Shipping Jobs
- Using Transact-SQL

PEER-TO-PEER REPLICATION

- Overview
- Configuring the Distributor
- Creating the Publisher
- Configuring Peer-to-Peer Subscribers
- Configuring Peer-to-Peer Topology

MONITORING & TROUBLESHOOTING

- Diagnosing and Resolving Database Server Errors
- Set Up Alerts Using SQL Server Agent
- Monitoring SQL Server Agent Job History
- Gathering Performance Data and Optimization using DMV

IMPLEMENTING SERVICE BROKERS

- Understanding Service Brokers
- Designing Service Broker Applications
- Programming Service Broker Applications

IMPLEMENTING SQL SERVER PARTITIONS

- Overview of Table-based Partitioning
- Creating Partitioned Tables
- Querying Partitions
- Managing Partitions

COMPLEX QUERYING

- Working with NULL Values
- Ranking Grouped Data
- Writing Correlated Subqueries
- Using Common Table Expressions

ADVANCED TECHNIQUES

- Complex Data and Structures
 - Writing More Efficient Queries
 - Working with Complex Queries
 - Maintaining Query Files
 - Working with XML
 - The XML Data Type
 - XML Schema Collections
 - Querying XML
 - Best Practices
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