

New Features – SQL Server 2008 R2

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Professional Association for SQL Server

Agenda

- Briefing on New features
- SQL Server 2008 R2 Edition Pricing
- Useful Links
- Questions

** All features added till Nov CTP of SQL2K8 R2

New Features

- New Features for DBA
 - Architecture
 - Administration
- New Features for BI

New Features for DBA

New Features to DBA - Architecture

Installation

- SQL Server 2008 R2 RS no longer supports Win 2k3 running on Itanium processor
- New role based installation for DB engine and Analysis services
- No more feature usage reporting option, only error & usage reporting
- ACCEPTSQLSERVERLICENSETERMS parameter required for unattended installation
- RS installation in sharepoint mode

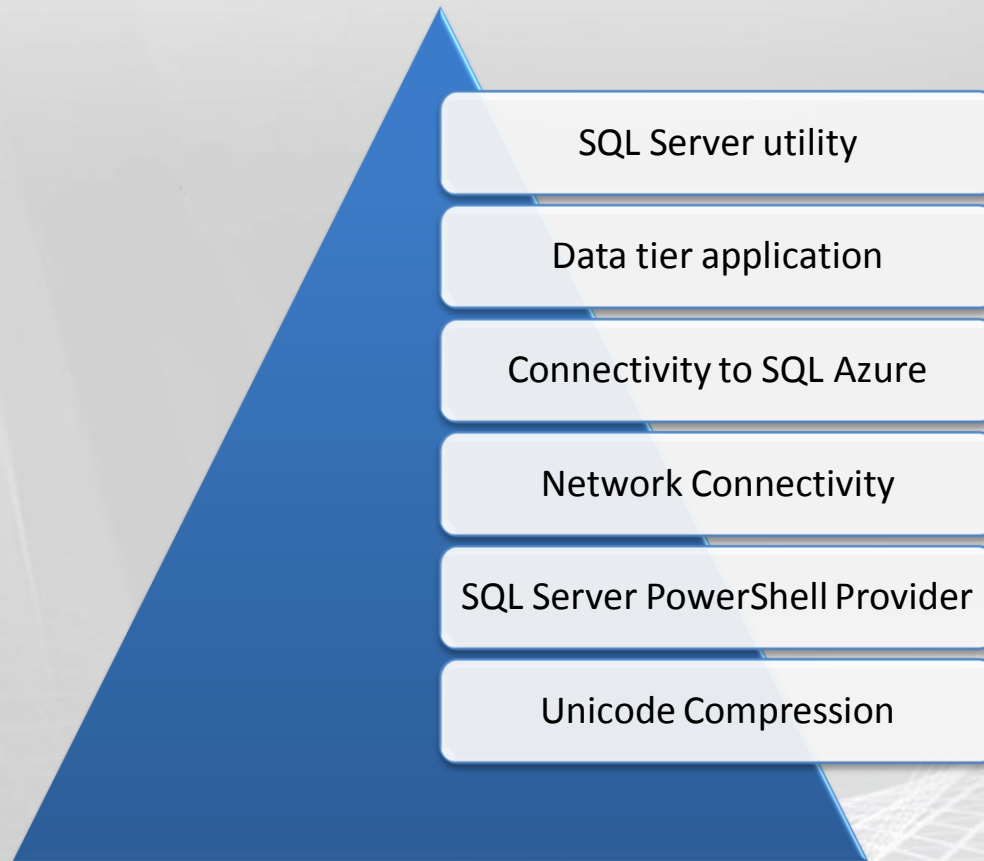
Hardware

- Max CPU limited to 8 in SQL Enterprise R2 Edition
- DataCenter edition supports more than 8 physical processors (OS max) and up to 256 logical processors

New Editions

- DataCenter - for large application workloads, virtualization and consolidation, and management for an organization's database infrastructure.
- Parallel Data Warehouse - highly scalable data warehouse appliance-based solution.

New Features to DBA - Administration



New Features to DBA – Administration – **SQL Server Utility**

- Provides holistic view of SQL Server resource health.
- Entities that can be viewed in the SQL Server Utility include
 - Instances of SQL Server
 - Data-tier applications
 - Database files
 - Volumes
- Resource utilization dimensions that can be viewed in the SQL Server Utility include:
 - CPU utilization
 - Storage space utilization
- SSMS itself can be used to view the entire UCP enrolled server status

New Features to DBA – Administration – Data Tier Application

- Simplifies the development, deployment, and management of data-tier elements that support a client-server or multi-tier application
- DAC defines all of the database objects (such as tables and views) and instance objects associated with a database (such as logins) required to support the application
- A DAC is typically developed in Visual Studio 2010 by a database developer using a Data-tier Application project.

New Features to DBA

Connectivity to SQL Azure

- SQL Server 2008 R2 introduces the ability to connect to SQL Azure Database from the client utilities

Network Connectivity

- The VIA protocol is deprecated

SQL Server PowerShell Provider

- SQLSERVER:\Utility and SQLSERVER:\DAC folders in powershell to support SQL Server utility & Data tier application

Unicode Compression

- New compression algorithm “Standard Compression Scheme for Unicode (SCSU)” is added

New Features for BI

New Features for BI

Reporting
Service
Enhancements

Managed Self
Service BI

Reporting Service Enhancements

- Map and spatial data visualization
- Report Builder 3.0
- ATOM data feeds
- AJAX Report Viewer
- Shared Data Sets
- Enhanced SharePoint Integration for SharePoint 2007 and SharePoint 2010
- New 2010 SOAP Endpoint
- Aggregates of Aggregates and much more

Managed Self Service BI

Power Pivot for Excel

- Brings analysis service to users desktop
- Allows IT users to create solutions in Microsoft Excel interface
- Data will be refreshed periodically

Power Pivot for Sharepoint

- Management dashboard for SharePoint administrators
- Powerpivot health information, hardware resources and data refreshes will be available

Master Data Services

- Helps an organization to manage master data
- Data will be standardized, streamlined, and organized into relationships for analysis

SQL Server 2008 R2 Edition Pricing

Edition	Per Processor Pricing Retail	Per Server Plus CAL Pricing Retail
Parallel Data Warehouse	\$57,498	Not offered via Server CAL
Datacenter	\$57,498	Not offered via Server CAL
Enterprise	\$28,749	\$13,969 with 25 CALs
Standard	\$7,499	\$1,849 with 5 CALs

**Estimated Price, this may differ at reseller

Useful Links

- SQL Server 2008 R2 Nov 09 CTP Download
 - <http://www.microsoft.com/sqlserver/2008/en/us/R2Downloads.aspx>
- SQL Server 2008 R2 Books Online
 - <http://msdn.microsoft.com/en-us/library/bb500435%28SQL.105%29.aspx>
- Report Builder 3.0 Nov 09 CTP
 - <http://www.microsoft.com/downloads/details.aspx?displaylang=en&FamilyID=f78b6b1e-8ccb-407a-bc3e-7955d60e1a6c>
- PowerPivot for Excel – Nov 09 CTP
 - <http://www.microsoft.com/downloads/details.aspx?FamilyID=48a5b47b-8c9c-450f-ab6e-178600a733ca&displaylang=en>
- PowerPivot for Sharepoint – Nov 09 CTP
 - <http://www.microsoft.com/sqlserver/2008/en/us/R2Downloads.aspx>
- More information on PowerPivot
 - <http://www.powerpivot.com/index.aspx>
- SQL Server | Microsoft Connect
 - <http://connect.microsoft.com/SQLServer>

Questions

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