### [New Features for SQL SERVER 2008 R2(DBA)](http://cruiseurtechnical.blogspot.com)

### **Architecture**

**Changes or Additions to 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

**Changes or Additions to Hardware requirements**

* 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

**Changes or Additions to Editions of SQL Server**  
We have two new editions that is accompanied with SQL Server 2008 R2. Below are the two new editions

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

### **Administration**

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| Feature | Description |
| SQL Server Utility | Provides holistic view of SQL Server resource health |
| Data Tier Application | Simplifies the development, deployment, and management of data-tier elements that support a client-server or multi-tier application |
| 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 |
| 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 of SQL Server 2008