





Business Intelligence



Collaboration Portals



Application Development



Business Strategy



Executive Dashboards



Project Management Offices

## Upgrading SQL Server Business Intelligence

	2000 – 2005	2005 – 2008	2000 - 2008
Analysis Services	Different architecture and designer	Small refinements	Different architecture and designer
Reporting Services	Issues with custom IIS/ SSRS settings	No dependency on IIS	Issues with custom IIS/ SSRS settings
Data Transformation Services (DTS)	Runs natively	Runs natively	Runs natively
Integration Services (SSIS)		Small refinements	
DTS to SSIS	Everything has changed	Everything has changed	Everything has changed

**Analysis Services** had a complete redesign in SQL Server 2005, and although you can convert a cube during upgrade the result will not be an optimal design or make best use of the powerful new features in SQL Server 2005/8. SQL Server 2008 just has extra features on top of 2005, such as performance improvements and better design tools. So in my opinion you need to completely redesign your cubes, and then adapt the calculated members to account for the subtle changes in MDX in SQL Server 2005.

**Reporting Services** was developed for SQL Server 2005, but then bought out for SQL 2000 before 2005 was released. The basic story here is that reports can be upgrade all the way along form 2000/5/8 but if you have been using custom security or making calls to the 2000 SOAP API then there this work will need to be redone as the architecture of SQL Server 2008 is completely different e.g. there is no dependency on IIS.

**Data Transformation Services (DTS)** was replaced by Integration services (SSIS) in SQL Server 2005. You can still run DTS packages in SQL Server 2005/8 as they were but there were a number of reasons for the replacement:

- Performance SSIS runs in memory in the same way as many other tools of this type and so is much faster.
- Manageability. It was difficult to debug DTS packages and it was quite difficult to move them around
- Flexibility. Loops and other control flows were very difficult to get working in conjunction with good error reporting.
- Collaboration. Only one person could work on a DTS package at a time to the point that if you left the package open it would prevent it being run by someone else.
- SSIS Fixes all that and all that has happened in SQL Server 2008 is that certain type of process are much faster and you can write your own transformations in C# using Visual Studio Tools for Applications (VSTA).