# SQL SERVER AUDIT

BIReady through our partnership with SQL Services offers a Health Check of SQL Server systems to provide CIO's and IT Managers with a snapshot audit of their environment to assess if their SQL Server platform is appropriately configured and to identify if SQL Server data is at risk from poor database recovery or security issues. A template approach is used that can be applied to any versions of SQL Server. The following process is adopted in performing a SQL Server Health Check with a detailed customer report highlighting risks and areas for improvement as the end result.

## Network/Server

- Review server resource including ram, disk space available, disk sub-system configuration.
- Review other demands on the SQL Server, shared applications etc.
- Review network protocols in place to communicate with SQL Server.
- Review operating system version and service pack level.

## SQL Server Configuration

- Review SQL Server core configuration/parameters for appropriateness.
- Review SQL Server service pack level.
- Review domain accounts for starting SQL Server services and auto-start options.
- Review if SQL Mail installed/configured properly.
- Review locations of databases, transactions logs and backup files with regard to performance and recoverability.
- Consider the relative loading of SQL Server on the server itself.

## Application Security/Connectivity

- Review the relative importance of individual SQL Server applications with the IT Manager/Key users.
- Review different client side connectivity to SQL Server databases including LAN, WAN, Internet.
- Briefly review any replication models in place.
- Identify type of SQL Server Security in place i.e., Windows or SQL Server security.
- Identify client side connectivity to databases using SQL reporting tools e.g. SQL Server Reporting Services, Access, Crystal.
- Identify if utilisation of 'sa' user and password is appropriate.
- Review appropriateness of developers working on production servers.

## Backup/Recovery Scenario

- Review backup configuration, capacity, frequency and completeness of backup.
- Review SQL Server backup schedules for all databases and transaction logs for completeness, frequency and recoverability following crashes.
- Review if database integrity checking is in place and verify process and frequency.
- Review use of SQL Server system alerts and notification if in place.
- Identify database recoverability in the event of system crashes or database corruption e.g. 1 hour, 1 day, or 1 week of lost data.

For more detail and to get a quotation on your particular environment, please contact Ian Nicholson on +61 2 8880 5111 or +61 418 230 069

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