How to maintain a compliant SQL Server estate
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What is SQL Server monitoring?

Most people think of

**Preventing** problems impacting users

**Reducing time** taken to do daily checks

**Diagnosing** performance issues

**Reporting** on servers and estate health

But we should also think of it as ensuring

**Protection of data**, particularly personal data
Advantages of monitoring software

• Quick to set up: have monitoring running in minutes
• Best practices built in
• Configurable alerts
• Built-in and configurable reports
• See what’s becoming a problem
• Monitor multiple versions
• Allow monitoring by non-admins
• Monitor large SQL Server estates
Where can monitoring help you?

Physical Resources

Data protection

Performance

Configuration

Maintenance

Data protection
Resources

• Storage
• CPU
• Memory
• Network
• Classification
  • Which servers need to be monitored because they have PII?
• Version and patch numbers
  • Vulnerabilities due to missing security updates?
Configuration

- Instance level
- Database level
- User access
  - Who has elevated rights – sysadmin?
  - Who has permission to read or update personal information?
Demo
Maintenance

- Job status
- Backups
- Index maintenance
- DBCC

Deployments
- When did the deployment occur and which tool was used?
- Did it affect performance?
- Which servers and do they have personal data?
Demo
Performance

- **Performance spikes**
  - Could indicate DDoS attack
  - Identify anomalies

- **Deployments**

- ** Sever availability**
  - Understand patterns and trends

- **Downtime**
  - Know about short outages
  - Identify and report long periods of downtime

- **Query tuning**
  - Hide parameters
Demo
Any questions?
SQL Monitor

Download your free trial of SQL Monitor: red-gate.com/monitor

Try SQL Monitor for free online: monitor.red-gate.com

Contact us: sqlmonitor@red-gate.com
Thanks for watching!