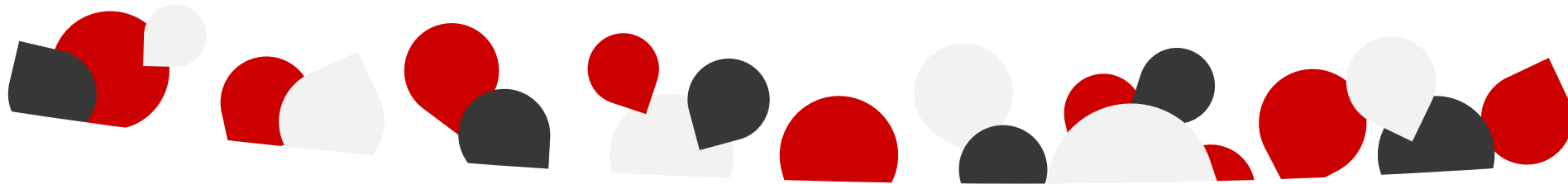




SQL in the City *Streamed*



# How to maintain a compliant SQL Server estate





# Kathi Kellenberger

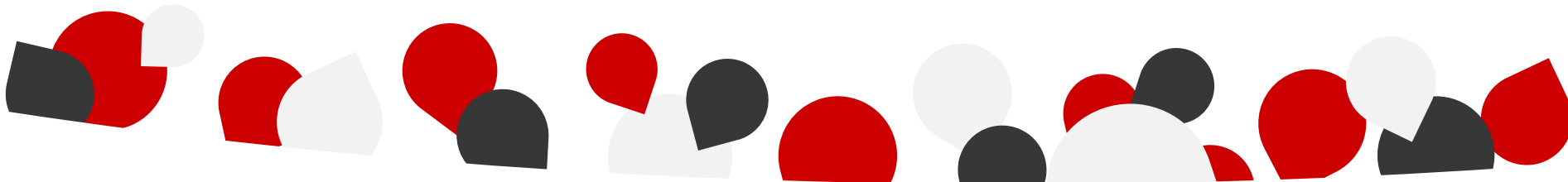
Editor of Simple Talk

Data Platform MVP

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 @aunkathi

<http://aunkathisql.com>



# What is SQL Server monitoring?

Most people think of

**Preventing** problems impacting users

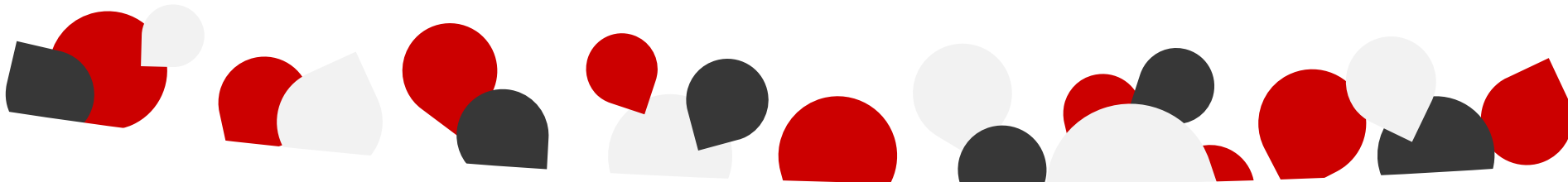
**Reducing time** taken to do daily checks

**Diagnosing** performance issues

**Reporting** on servers and estate health

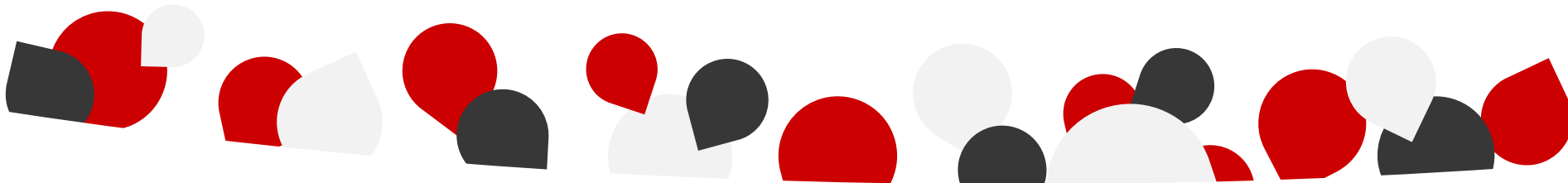
But we should also think of it as ensuring

**Protection of data**, particularly personal data

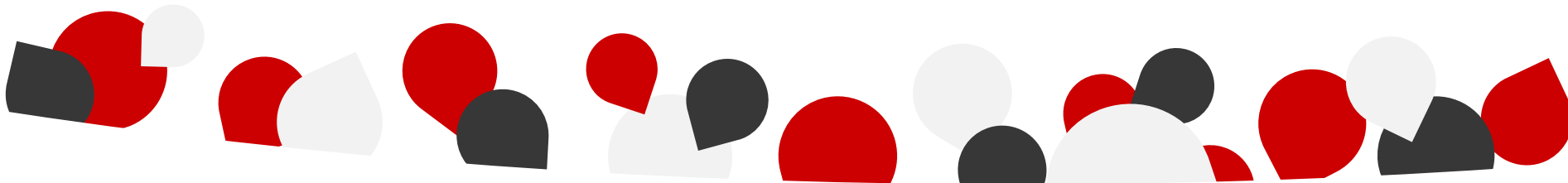
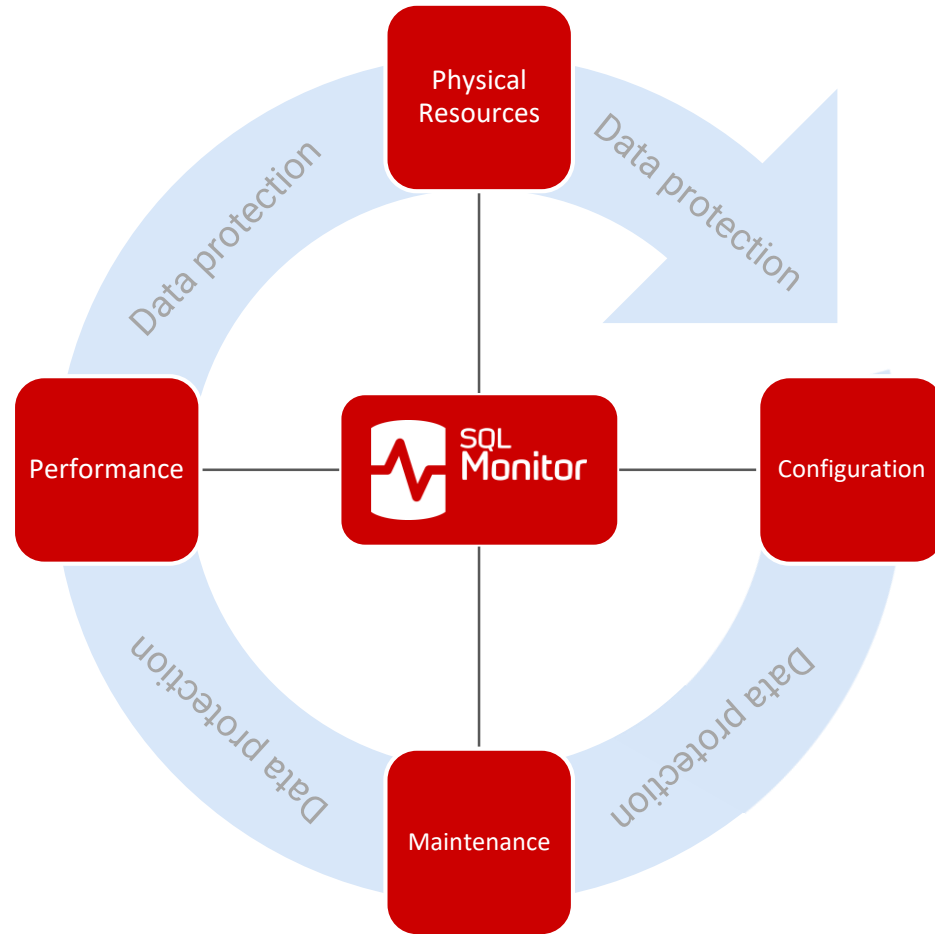


# Advantages of monitoring software

- 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

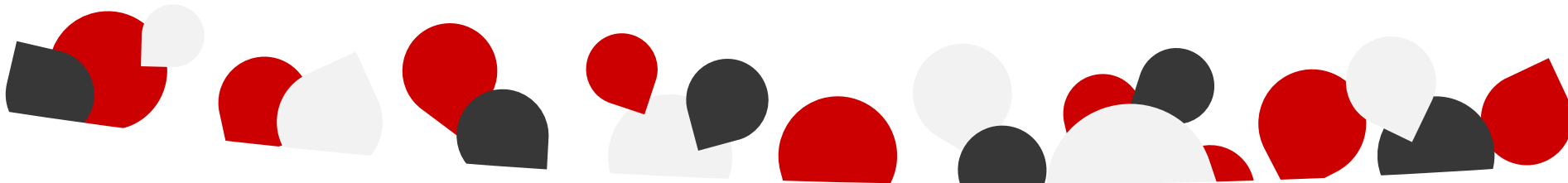


# Where can monitoring help you?

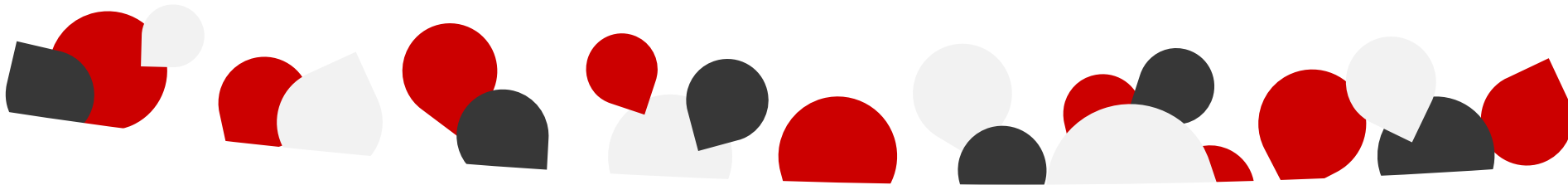


# Resources

- **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?



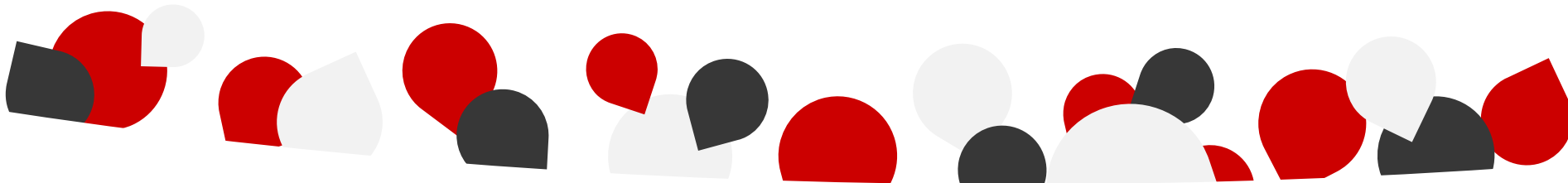
# Demo



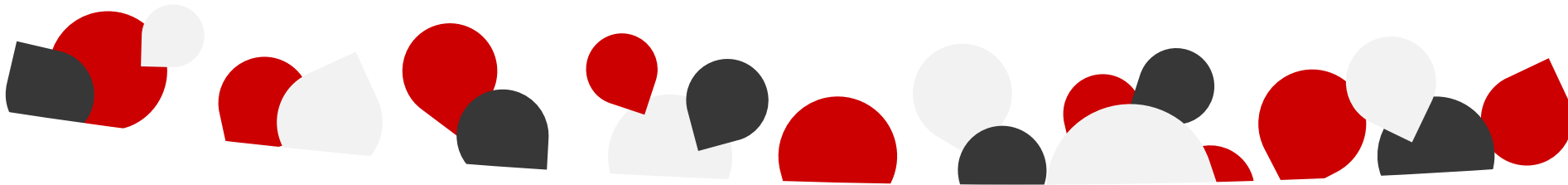


# Configuration

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

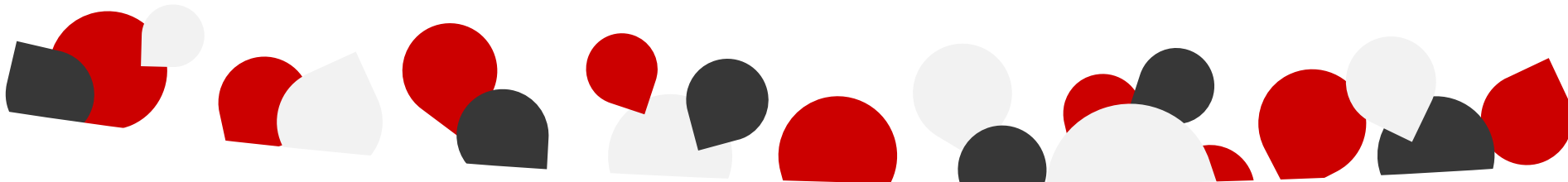


# Demo

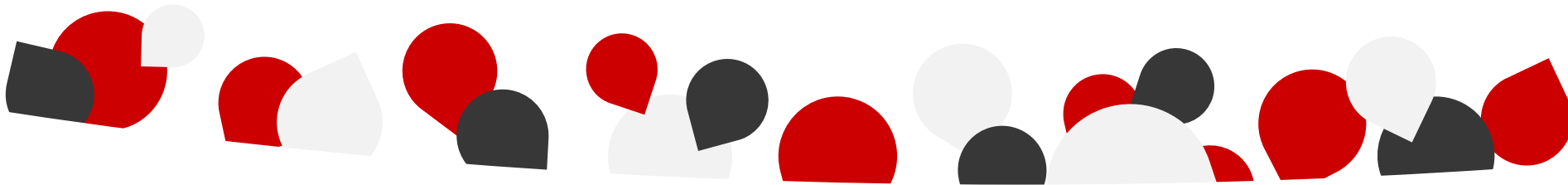


# Maintenance

- **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?

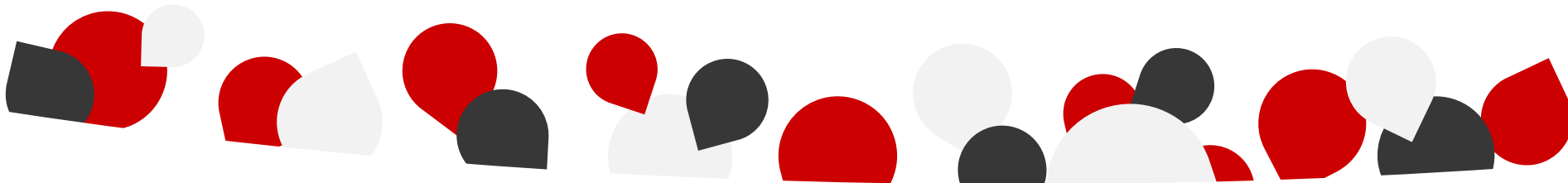


# Demo

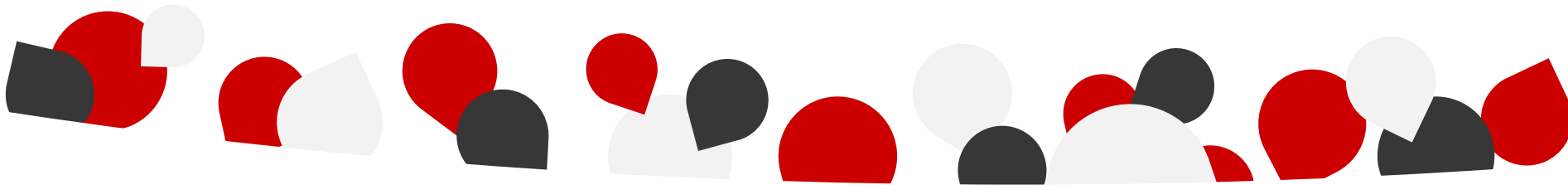


# Performance

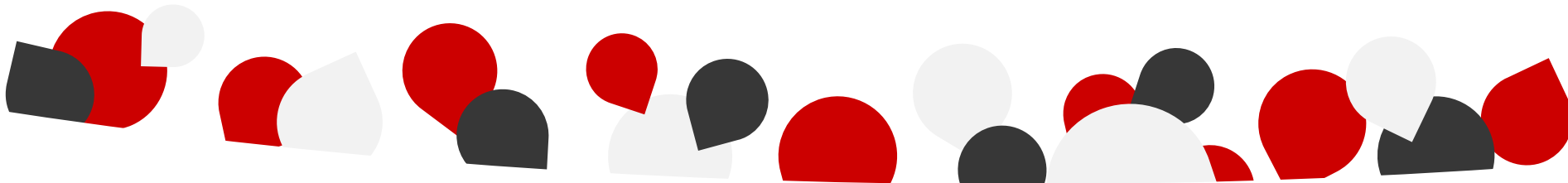
- **Performance spikes**
  - Could indicate DDoS attack
  - Identify anomalies
- **Deployments**
- **Sever availability**
  - Understand patterns and trends
- **Downtime**
  - Know about short outages
  - Identify and report long periods of downtime
- **Query tuning**
  - Hide parameters



# Demo



# Any questions?





Download your free trial of SQL Monitor: [red-gate.com/monitor](https://red-gate.com/monitor)

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Thanks for watching!