

# Monitoring SQL Server: zero to hero in 15 minutes

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With the support of:



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1. What are our monitoring needs?
2. A troubleshooting methodology

**What do we REALLY need?**

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# Monitoring

## Troubleshooting

*What happened tonight at 03:40?*

## Analyze Workload and Tune Performance

*Which queries consume most resources?*

## Capacity Planning

*How fast are my databases growing?*

## Baselining

*Is the system behaving normally?*

## Alerting

*Hey, look: something's wrong here!*



# What we don't need

Messy dashboards with countless metrics

→ Everything that is not functional to our inquiry **MUST GO**

**A troubleshooting methodology**

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# A troubleshooting methodology

## 1. Check resource usage

- CPU
- RAM
- Disk
- Wait Stats

## 2. Check Events

- Blocking
- Deadlocking
- Timeouts

## 3. Analyze your Workload

- TOP queries by CPU
- TOP queries by reads
- Correlate with waits
- Correlate with resource usage

# Additional tasks

- Enforce Best Practices
- Keep your database and server inventory up to date
- Get notified when bad things happen
  - Avoid email
  - Use Teams / Slack / Telegram

**THANK YOU!**

**Got questions? Email me!**

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The logo for "Data Saturdays" features the word "DATA" in a large, white, sans-serif font. To the left of the "D" is a blue icon consisting of three horizontal bars of increasing length, resembling a stylized "D" or a data bar chart. Below "DATA", the word "SATURDAYS" is written in a smaller, white, sans-serif font, with each letter spaced out.

