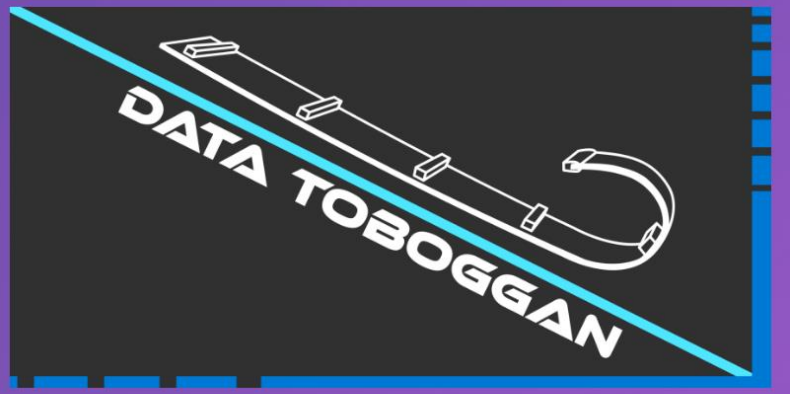


KevOps for Azure Synapse Analytics

Kevin Chant

Agenda

- Obligatory bio
- Brief introduction to Azure DevOps
- Synapse Studio objects stored in Azure Repos
- Migrate ADF pipelines to Azure Synapse
- CI/CD for SQL Pools
- Using Azure DevOps to test Data Flows

Kevin Chant

- Lead BI & Analytics Architect in the Netherlands
- Worked in IT since Windows 95
- Experience in various sectors
- Various certifications & MVP

Microsoft® Most Valuable Professional

- Twitter: @kevchant
- LinkedIn: https://www.linkedin.com/in/kevin-chant/
- Blog: https://www.KevinRChant.com
- GitHub: https://github.com/kevchant

Azure DevOps

Collection of services

Azure Boards to manage work items

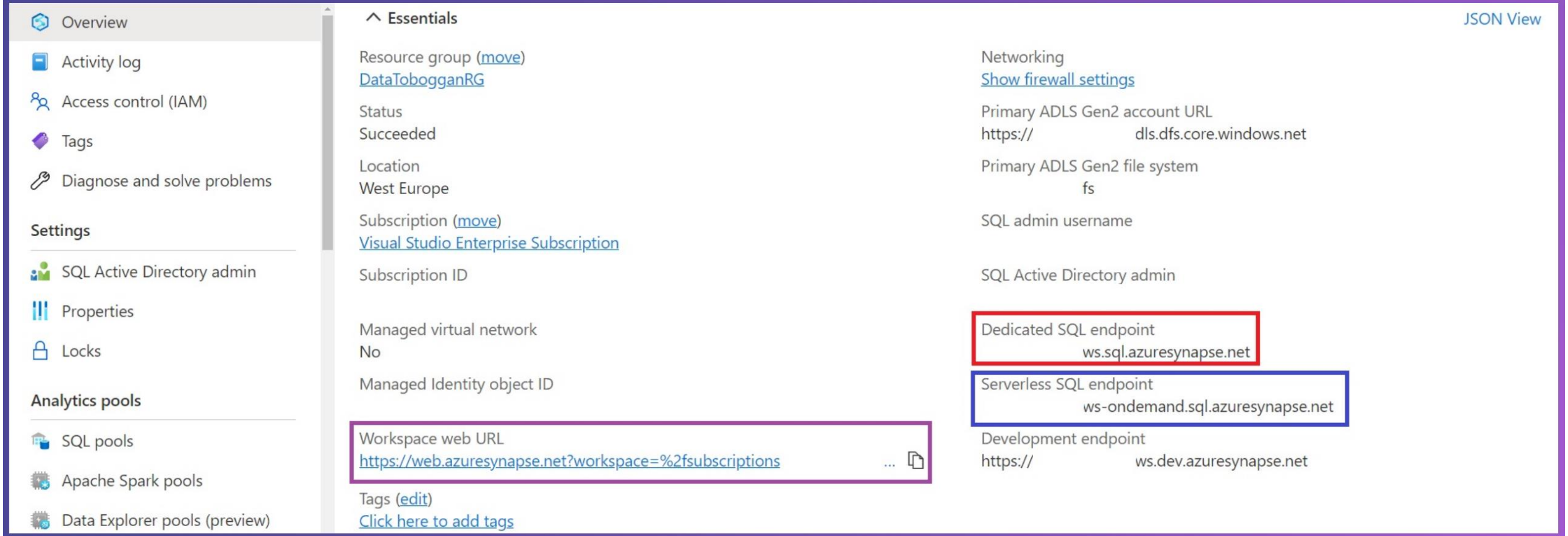
Azure Repos to store repositories

Azure Pipelines to manage deployments

Azure Test Plans to manage manual tests

Azure Artifacts to store artifacts

Synapse overview layout



Synapse Studio objects

Stored in Azure Repos

Interesting branches

Can be migrated

Migrate ADF pipelines

Various options

Copying individual objects works

Can be automated

CI/CD for dedicated SQL Pool

Same dacpac method as SQL Server

Change target platform to SQL Datawarehouse

Use dedicated SQL endpoint as server name

CI/CD for serverless SQL Pools

Migration based method using DbUp works

Use dbops PowerShell module

Wrap password in single quotes ('')

Testing Dataflows

Say goodbye to spreadsheets

Say hello to Azure Test Plans

Three types test suites

Thank you

Any questions?

- Twitter: @kevchant
- LinkedIn: https://www.linkedin.com/in/kevin-chant/
- Blog: https://www.KevinRChant.com
- GitHub: https://github.com/kevchant