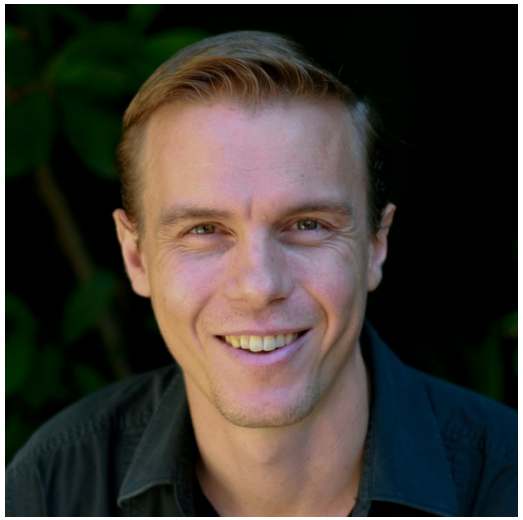
Migrating the Database to the Azure SQL Database Service



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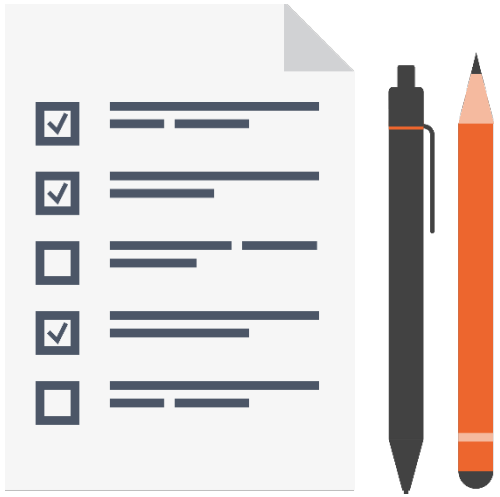
Overview



The value proposition of SQL PaaS

Creating and migrating databases

Configuring the website to connect

Using point in time restore

Why Have SQL as a Service

- It's rapidly scalable
- The cost is commoditized
- The performance is predictable
- There's near-zero maintenance compared to an entire server

Why *Not* Have SQL as a Service

- You need server level control of things like:
  - Agent and jobs
  - Integration services
  - Linked servers
- Database features such as:
  - Full-text indexes
  - ~~CLR integration~~
  - ~~XML indexes~~
  - ~~Tables without a clustered index (and therefore the SELECT INTO command)~~

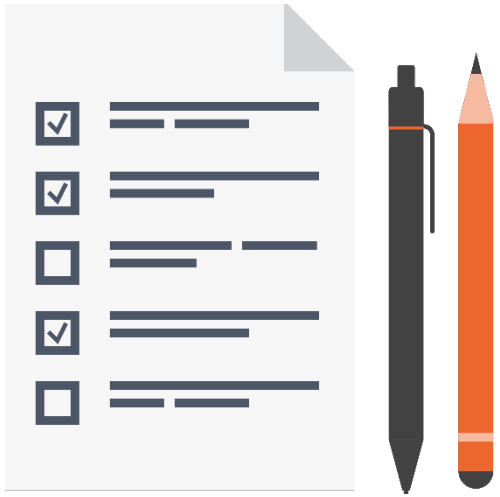
Database Throughput Unit (DTU)

A DTU represents the power of the database engine as a blended measure of CPU, memory, and read and write rates.

Understanding Point in Time Restore

- Point in time restore is about "oops" recovery
- Full backups: every week
- Differential backups: every day
- Log backups: every 5 minutes
- All backups are stored with full local redundancy

Summary



Provisioning and configuring is *very* easy!

Migrating existing databases is *usually* simple…

…but consider if full SQL Server features are required (although v12 is very close)

Point in time restore is enormously powerful!