

SQL Azure vs. Amazon RDS



DEVELOPMENTMENTOR

DEVELOPING PEOPLE WHO DEVELOP SOFTWARE

Agenda

- **Overview**
- **Tooling**
- **Pricing**
- **Backup / restore**
- **Scaling**
- **Database size**
- **Performance**
- **Feature set**
- **Disaster recovery**
- **Future Roadmap**



Similarities

- **Both products are RDBMS in the cloud**
- **Easy to use**
 - Migrate data to the cloud
 - Change connection string
 - It works!



Differences

- **SQL Azure**
 - Offers only Microsoft SQL Server
- **Amazon RDS**
 - Offers only MySql and Oracle



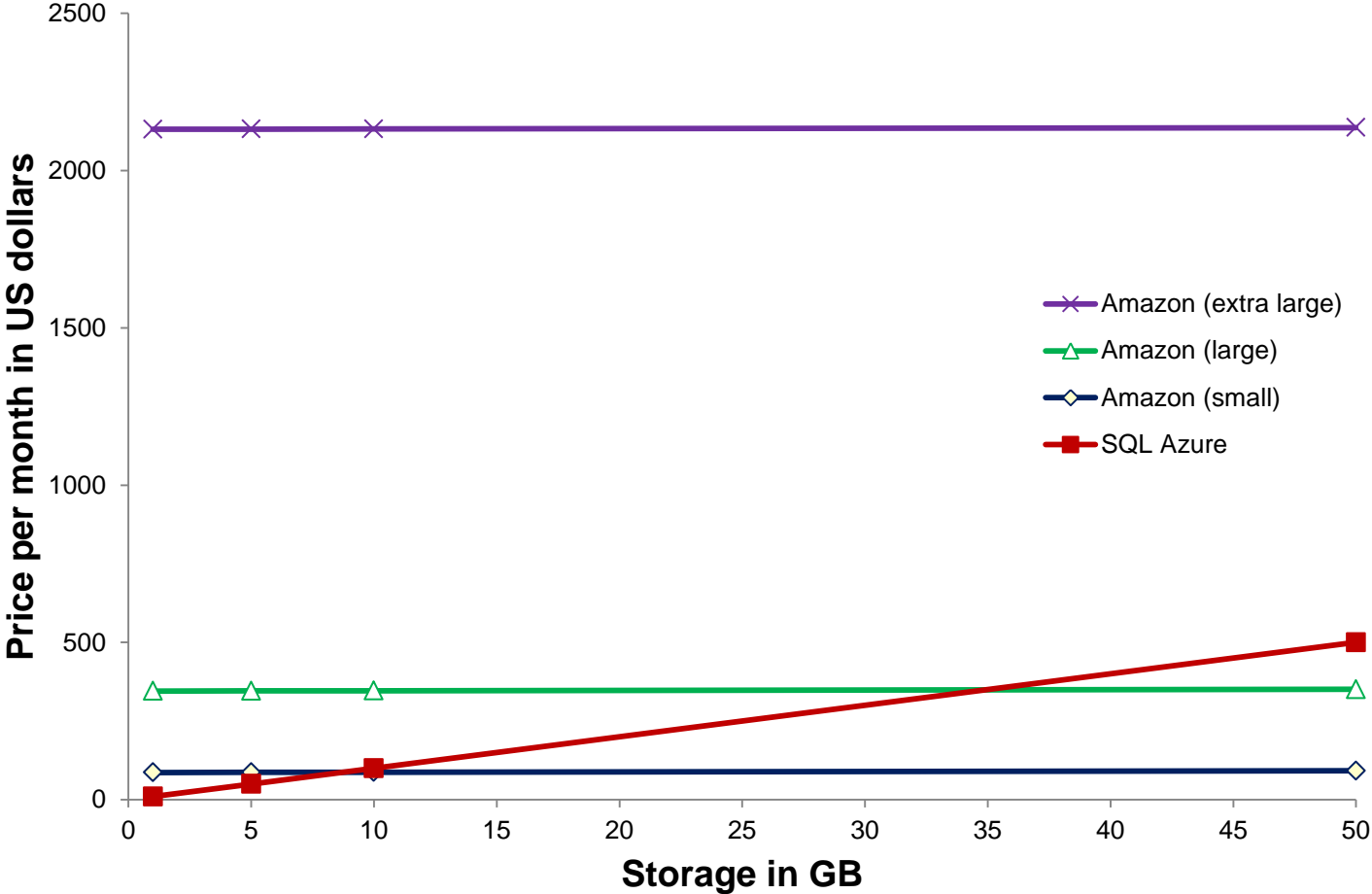
Tooling

- **SQL Azure offers two sets of tools**
 - Normal tools used for local SQL Server
 - SQL Server Management Studio (SSMS), others
 - Database Manager, available through the portal
- **Amazon RDS allows use of the local tools only**
 - MySQL Workbench, others
 - Oracle SQL Developer, others



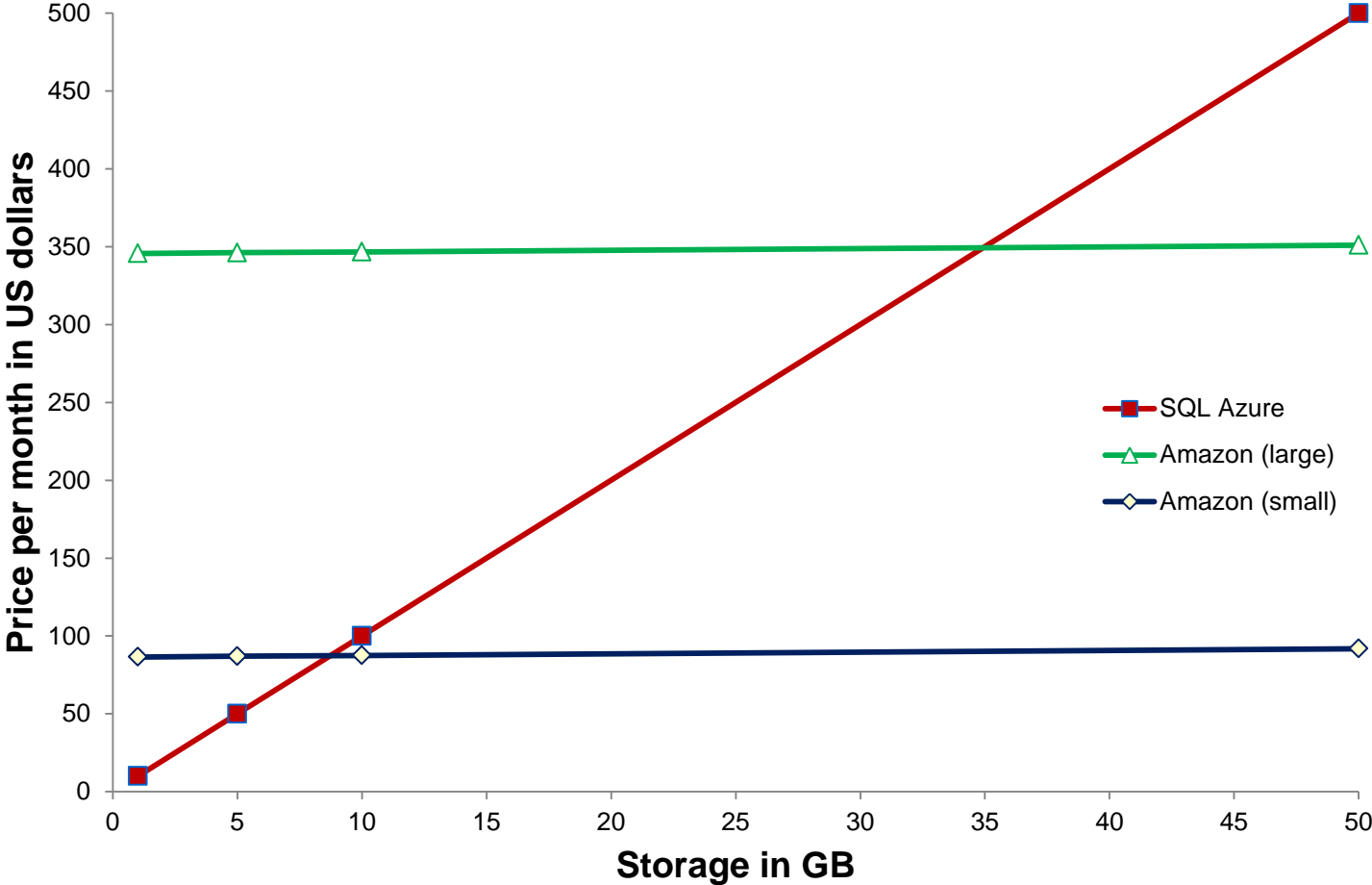
Pricing

Price Comparison



Pricing

Price Comparison (Zoomed In)



Backup and Restore

- **SQL Azure**
 - No great solution as of yet
 - Point in time restore not yet released
 - Can use Copy Of command
 - Import and Export through DAC Pac
 - Others
- **Amazon RDS**
 - Has both Automated backups and DB Snapshots
 - Automated backups have 10 day retention period



Database Size

- **SQL Azure**
 - Currently the limit is 50GB
 - Higher limits planned
- **Amazon RDS**
 - Current limit is 1 TB



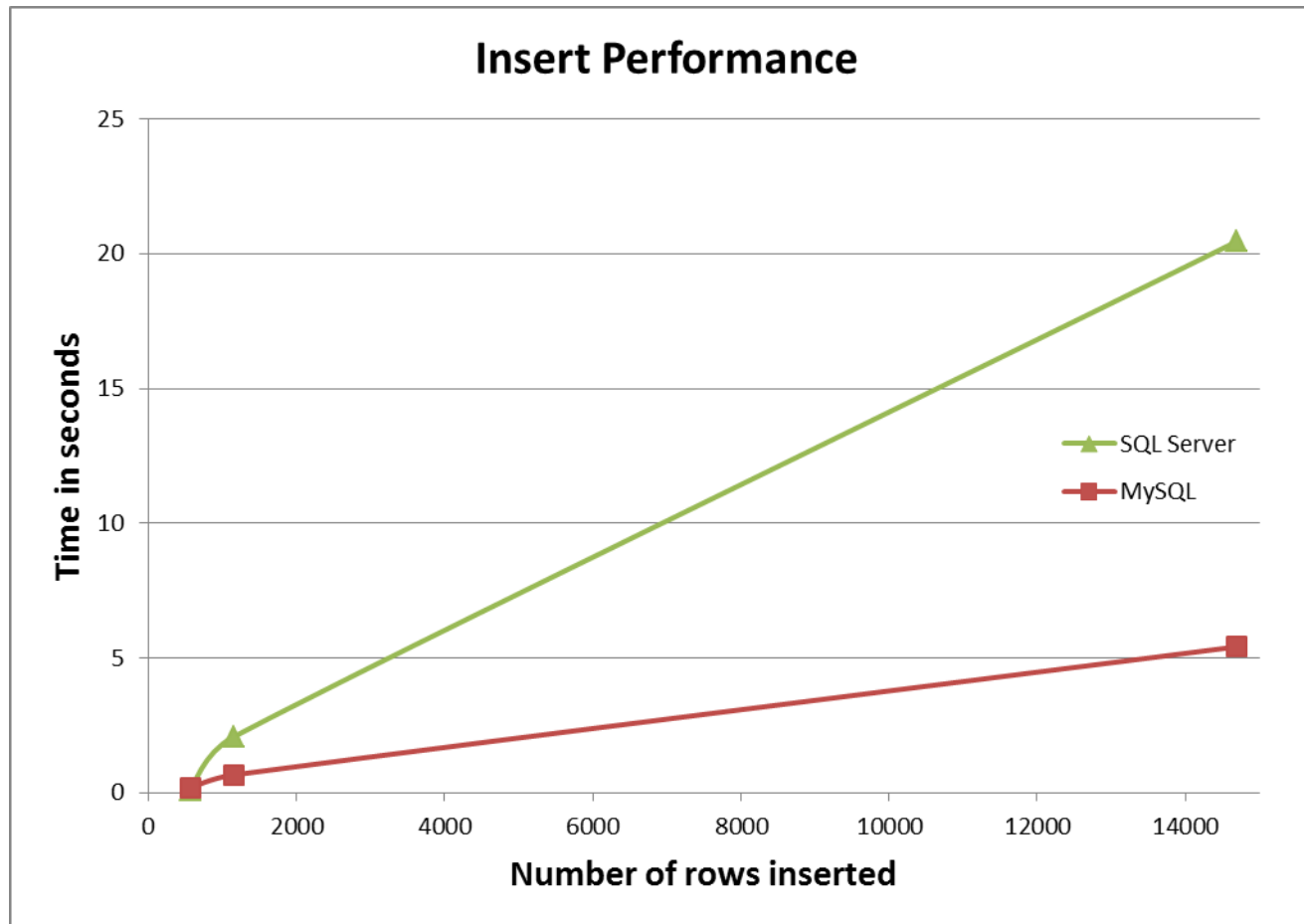
Scaling

- **Scaling Up vs. Scaling Out**
- **SQL Azure**
 - Federations are not yet released, but will help scaling out
- **Amazon RDS**
 - Has no scaling out solution, yet
 - But is capable of scaling up



Performance

- Due to product architecture, performance is different



Feature Set

- **SQL Azure**
 - Lots of features above and beyond an on-site database
 - But a subset of the Database engine features
- **Amazon RDS**
 - Is just a running instance of whatever version selected
 - Complete parity



Disaster Recovery

- **SQL Azure**
 - Creates 3 copies automatically (in the same data center)
- **Amazon RDS**
 - Can create replicas (but they are expensive)
 - In MySQL only
 - Multi-AZ deployments (for issues like April 21st)
 - Read Replicas



Future Roadmap

- **SQL Azure**
 - Federations
 - Reporting Services (Release)
 - Data Sync (Release)
 - OData Feed (Release)
- **Amazon RDS**
 - Bringing disaster recovery to Oracle



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Thanks for coming!
Scott and Ike

