

Introduction to SQL Azure Database

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This is me

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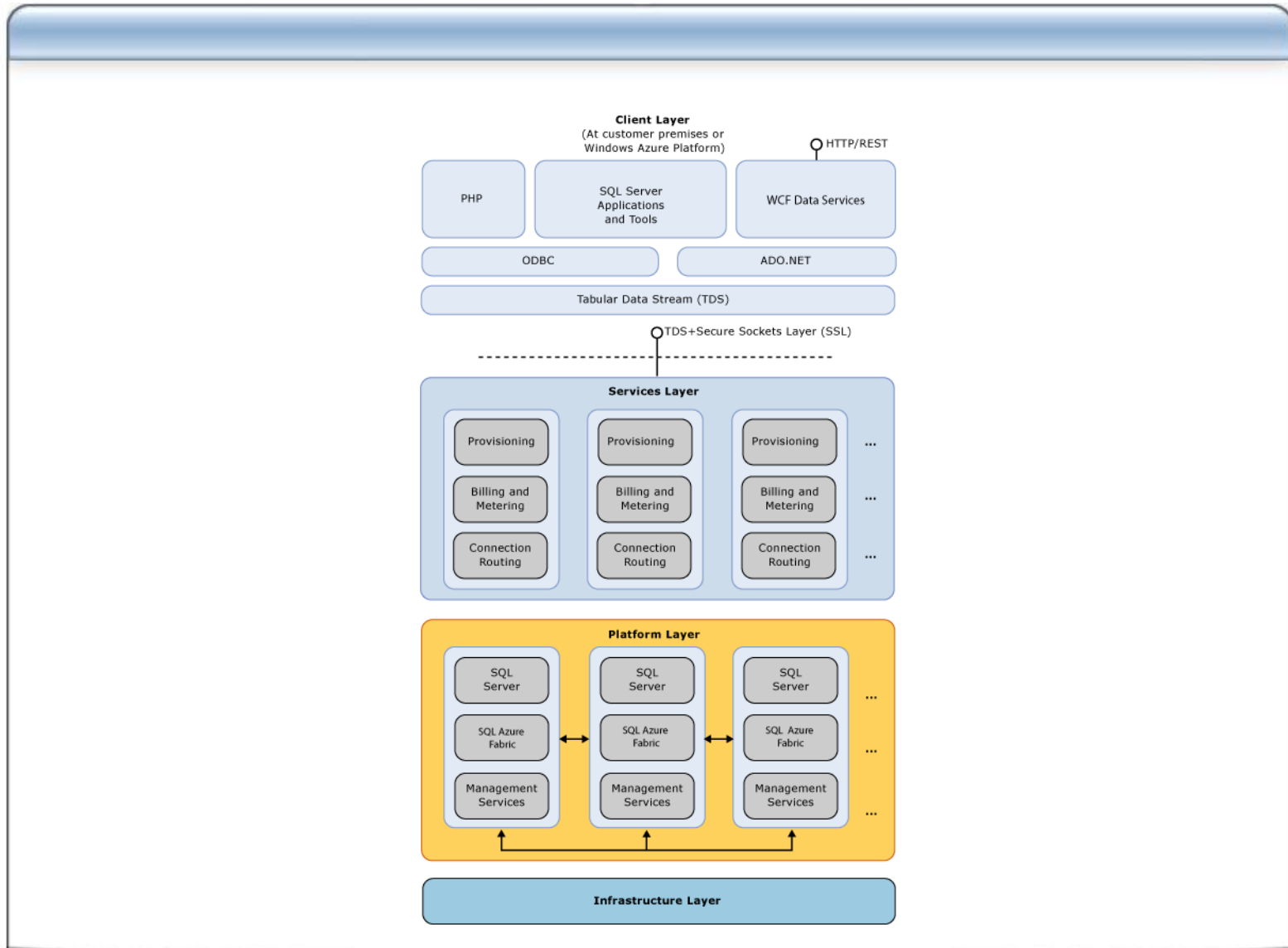


AGENDA



- **SQL Azure Architecture**
- **Server Provisioning**
- **Does it looks familiar?**
- **Tools of the trade**
- **Security**
- **Demo**

SQL Azure Database Architecture



- **Windows Azure Management Portal**
 - Graphical, easy to use interface
 - Log in using your credentials
 - Create SQL database
 - Specify admin credentials
 - Set firewall rules and enable service access
- **Automated provisioning**
 - Azure powershell cmdlets
 - REST APIs (.Net/PHP etc..)

Does it looks familiar?



- **Available technologies**

- T-SQL
- .NET
- JAVA
- PHP

- **Tools**

- SSMS (SQL Server 2008 R2 and above)
- SQLCMD, BCP

Key Features



- **Administration – Near Zero**
- **Database and log files – Placed automatically**
- **High Availability – Three replicas maintained**

Unsupported features

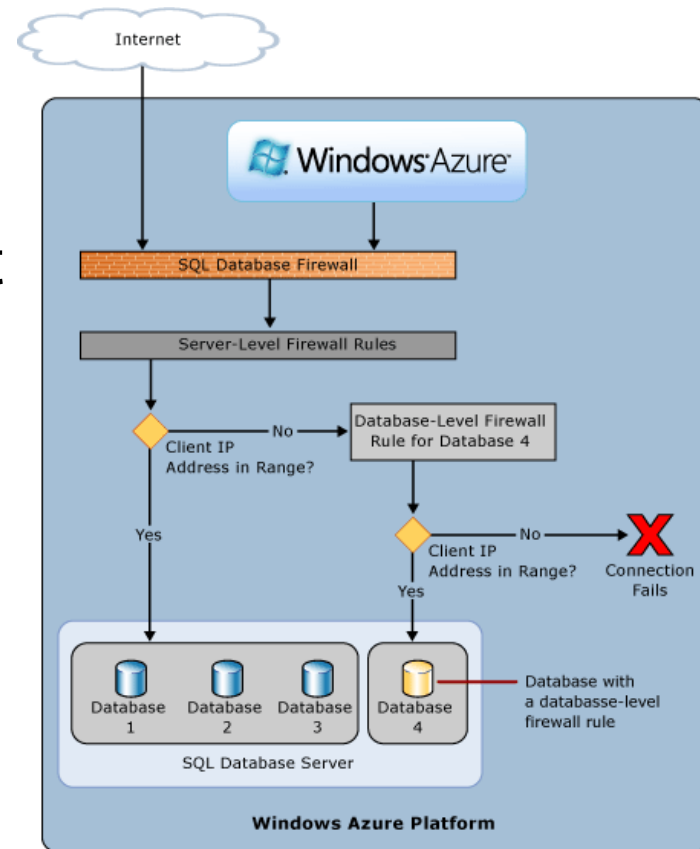


- **Distribute Transactions**
- **Distributed Views**
- **Use Command**
- **Service Broker**
- **Common Language Runtime**
- **SQL Agent**
- **Native Encryption**
- **Backup/Restore**

- **SQL Database Management Portal**
 - Graphical interface for query writing and execution
 - Design tables, views stored procedures
- **SQL Server Data Tools**
 - Visual Studio IDE for database development
 - Develop and test in online and offline mode
- **Powershell**
 - Azure powershell platform
 - Azure specific Cmdlets

Secure your database

- Access Control
 - Based on IP address
 - No IP is enabled by default
 - Add IP address to login
 - Configure using Windows Azure Management Portal or Powershell or REST API



- **Server Provisioning**
- **Database Creation**
- **Firewall rules**
- **Security**
- **Manage SQL Azure Database**
- **Backups**
- **Geo replication**