Deploying a CMS To Azure: What you need to know!

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Agenda
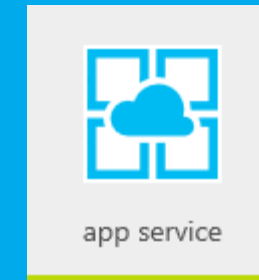
- Hosting
- Storage
- Supporting Configurations
- Integrations
- Traffic Management
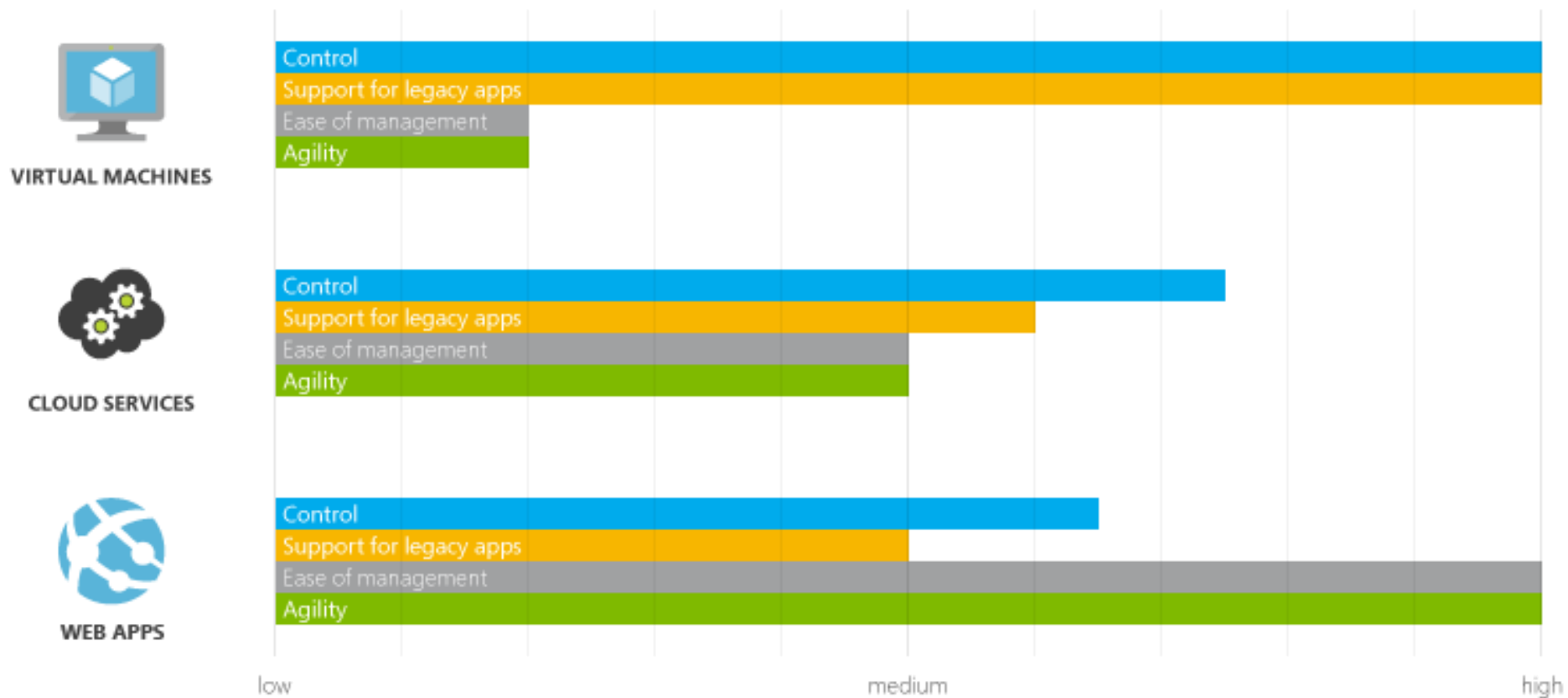- Scaling / Performance
- Tips
- Learn More

Hosting

- Web
  - Cloud Services (PaaS)
  - Virtual Machines (IaaS)
  - Web Apps
  - Mobile Services
  - Hybrid solutions
- Database
  - Azure Database
    - Sizes / Price
  - VM Image
  - Firewalls
  - Backups

app service

cloud services

virtual machines

mobile services

data management

Hosting

Storage

- Configuration
    - Location
    - Geo-replication
- REST Services
- CDN
    - TTL
- Security
    - Shared Access Signatures (SAS)
- Media
- Table Storage
- Tools
    - Azure Storage Explorer
    - CloudBerry
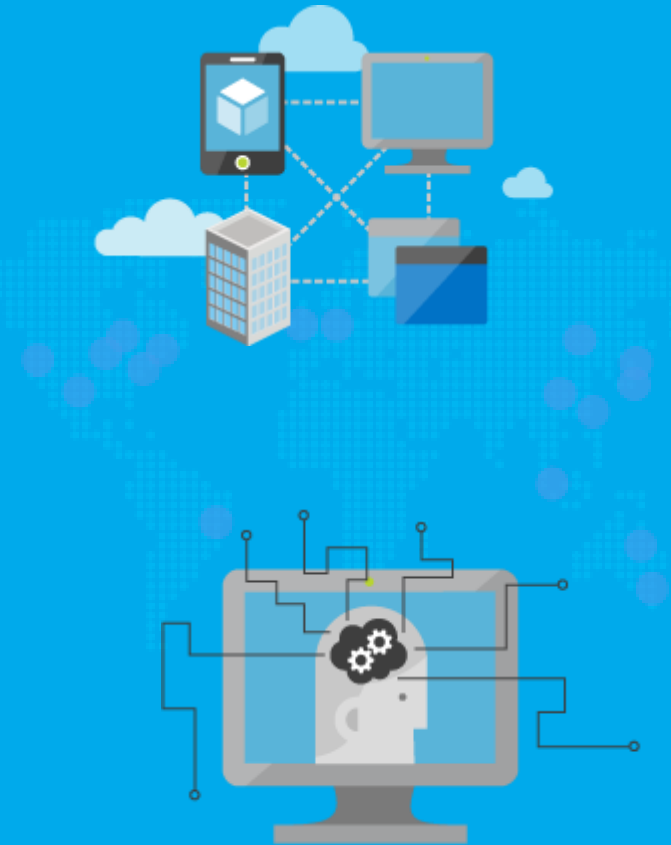
Supporting Configurations

- Session
  - InProc vs SQL Server vs Hosted
  - REDIS Cache
- SMTP
  - SendGrid
- Search
  - Azure Search
- Authentication
  - Web Apps
  - Active Directory
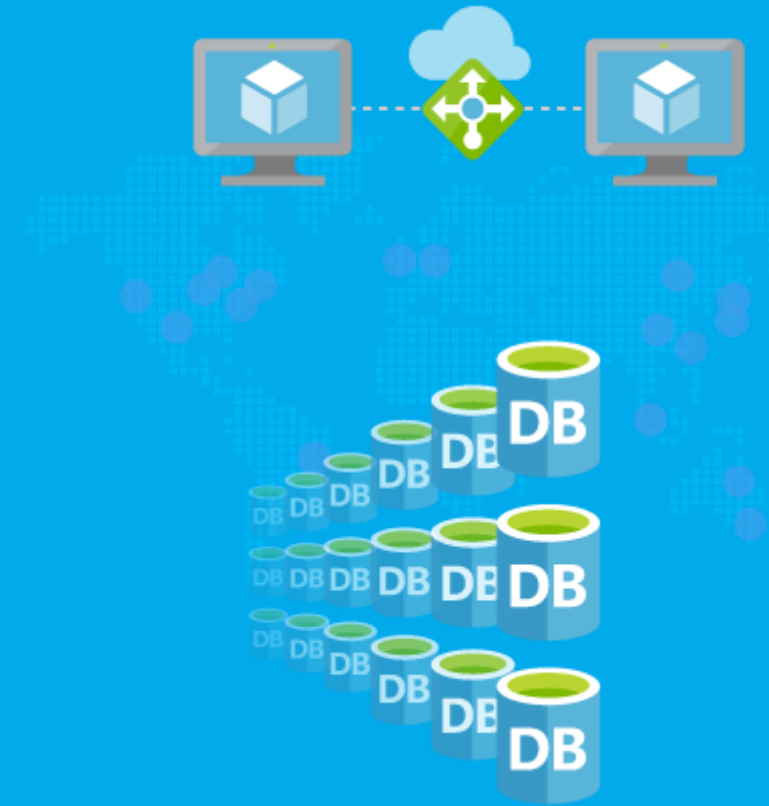
Integrations

- CRMs

- ERPs

- Virtual Networks

- Web Apps

- Mobile Services
  - REST service

- Machine Learning

- TFS / GitHub

Traffic Management

- Routing options
  - Failover
  - Performance
  - Round Robin
- Load Balancing
  - Swap VIP
- Database replication

Scaling & Performance

- CPU Utilization

- Scheduled

- Licensing

- Limits

- Endpoint Monitoring

Random Tips

- Start with Web Apps, then find a reason not to use them
- Use Azure Configuration files for cloud services
- Be careful deploying cloud services from VS
- Consider creating DB in Azure to begin with
- Setup your DB backups
- Start DBs as S1 and adjust up / down
- Storage is always cheaper than DB space
- Deploy things together (resource groups)

- Consider using Table Storage for non-relational data
- Be careful storing JS files in the CDN
- Migrate in stages
- Always start with REDIS cache
- Leverage the Marketplace for data collections
- Consider hosting AD in Azure for authentication
- Leverage Mobile Services for APIs and apps
- More features added all the time, stay informed

Learn More

- Microsoft Azure Blog
- Azure Documentation Center
- Channel 9 - Azure
- Channel 9 – Build 2015
- Azure Marketplace
- Azure Web App Tutorial
- Lynda.com – Azure Training

This Guy

About

- 16+ year web dev exp.

- MCPD/MCSD

- 5 years Azure exp.

- Former Azure VTSP

- Mediocre bowler

Contact

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