# #TARABICA IT CONFERENCE





## Design Azure project like a Pro

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#### Who am I

- Vladimir Stefanović
- Lead System Engineer @ SUPERADMINS
- 10+ years of experience
- MCT, MCSE, Office365, Azure Architect
- Book author, conference speaker, technical trainer and Azure UG Leader
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### Golden rules for designing Azure projects

- Understanding of Azure services and their purpose
- Understanding relationship between Azure services
- Proper naming convention
- Take care about networking
- Don't forget about Security
- Be aware that you need backup even you have cloud infrastructure
- Check with client twice about their needs ©



# Demo / Case study 1 Moving Web Application to Azure

### Requirements

- Move production web application to Azure
- Application is designed a long time ago and require 3rd party agents/tools
- Application must be able to scale during peak times
- 4 SQL databases are needed for production web application
- Access to SQL database need to be resticted as much as possible
- Application hosts must accessible only through private IP addresses
- Create isolated dev environment for developing new application
- Dev environment need 2 small SQL databases and don't need to be scalable
- PaaS need to be used whenever is possible
- Project costs must be reduced to the minimum



#### Azure resources that will be used

Application layer – Production







Application layer – Development







Database layer









# Demo / Case study 2 Extending on-prem workload to Azure

### Requirements

- On-prem environment has domain infrastructure implemented (10+ servers)
- Client want to extend on-prem infrastructure to Azure in order to move complete infrastructure to Azure in phase 2
- Business application is clustered using Windows Server Failover Cluster
- One business application server and domain controller need to be deployed in Azure
- Communication need to be able only using private IP addresses
- On-prem infrastructure has up to 10 S2S VPN tunnels with external companies
- On-prem SQL server (physical machine) need to be virtualized and isolated to different subnet, with downtime reduced to minimum

#### Azure resources that will be used

- Networking layer
  - Virtual Network with NSG per subnet
  - VPN Gateway (on-prem to Azure)
- laaS layer
  - 1x business application server
  - 1x domain controller
  - Internal load balancer
  - Availability Zones or Availability Sets
- Database layer
  - 1x SQL VM

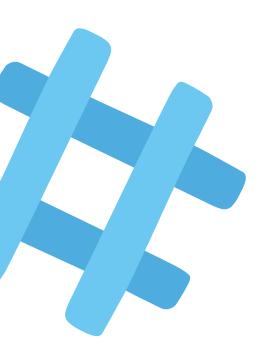




## Sponzori







Partner konferencije



Srebrni sponzori









Bronzani sponzor













Vidimo se / See you soon

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