Creating Deployment Slots

Neil Morrissey
SOLUTIONS ARCHITECT

@morsesolutions www.neilmorrissey.net

Module Overview

Understanding deployment slots

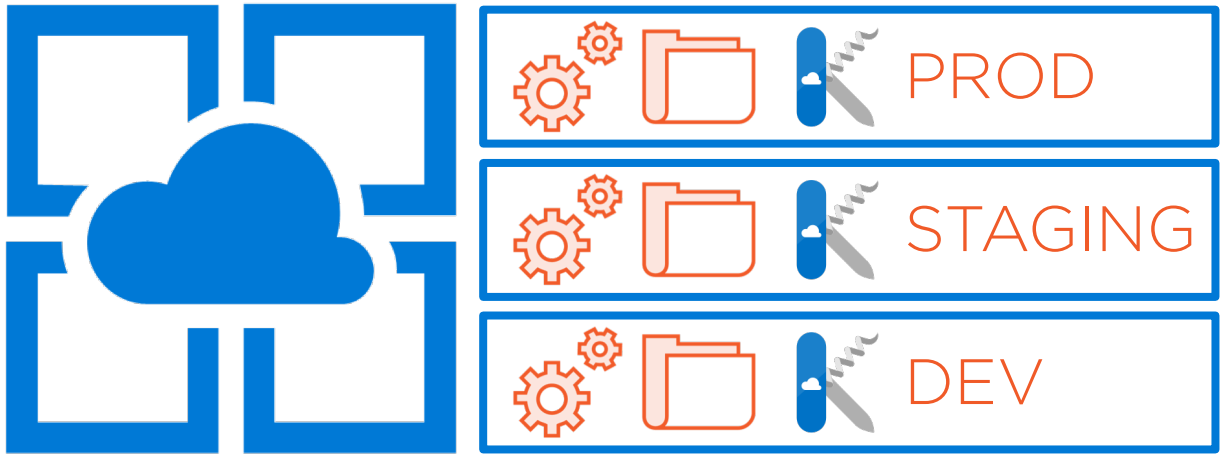
Configure deployment slot settings

Create a new deployment slot

Deploy new version of application to staging deployment slot

Swap staging slot to production

Understanding Deployment Slots



https://mysite.azurewebsites.net

https://mysite-staging.azurewebsites.net

https://mysite-dev.azurewebsites.net

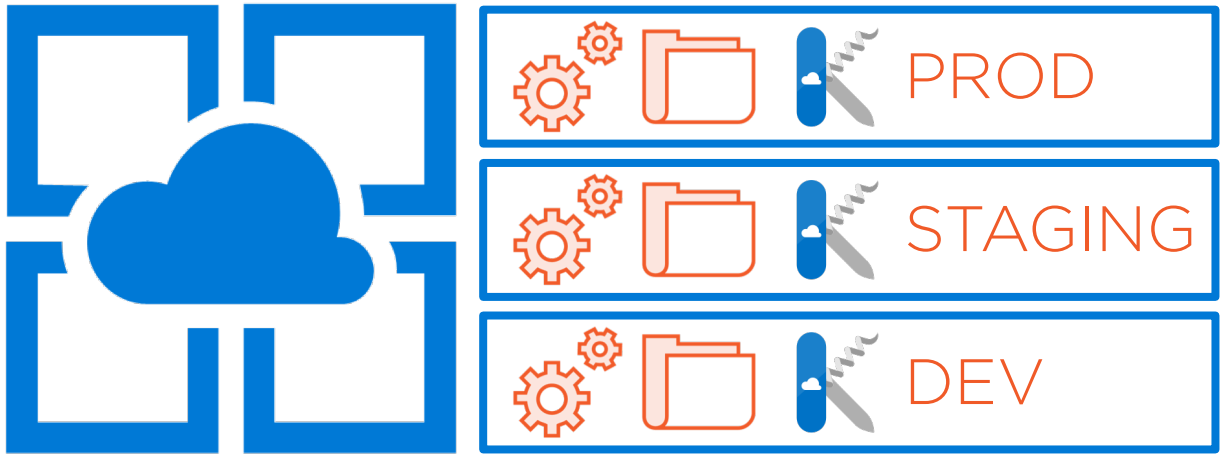
Deployment Slots

Swapping deployment slots

- Deploy v2 to staging slot
- Verify v2 in staging
- Swap staging (v2) with production (v1)
- v1 becomes staging

Can revert back (swap again) if issues

Warm up deployed application before swapping with production



https://mysite.azurewebsites.net

https://mysite-staging.azurewebsites.net

https://mysite-dev.azurewebsites.net

Deployment Slots

Auto-swap

- Warms up deployed code
- Automatically swaps configured deployment slots.

Traffic routing

- Route % of production traffic to another deployment slot
- Test features with limited users

Deployment Slots Swap

Settings that Swap

General Settings (framework version, web socket setting, etc.)

Handler mappings

Monitoring and diagnostic settings

WebJobs content

Application Settings *

Connection Strings *

* Can be configured to stay with deployment slot

Setting that DO NOT Swap

Publishing endpoints

Custom domain names

SSL certificates

App Service scale settings

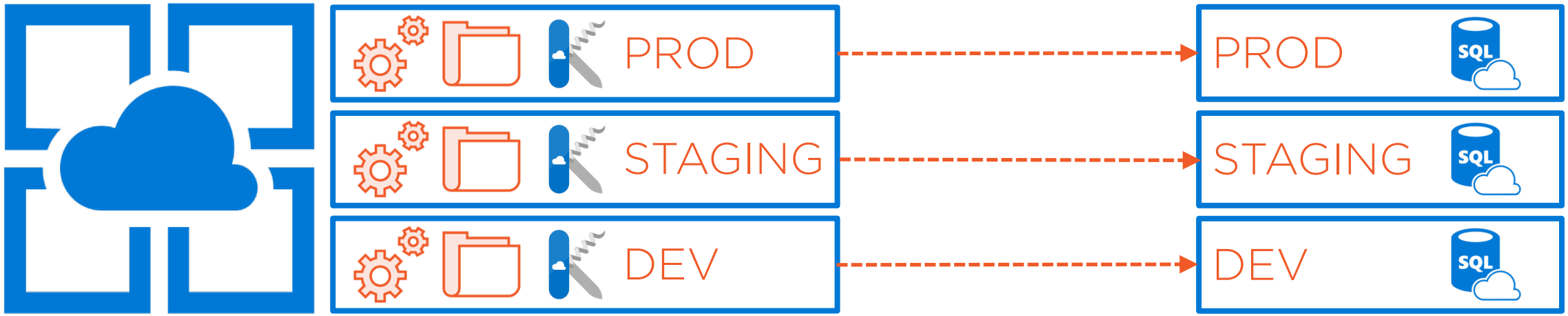
WebJob schedulers

Deployment Slots

Swap with Preview (2 stage swap)

- Stage 1
  - Test staging deployment slot with production settings
- Stage 2
  - Complete swap
  - Or rollback swap

Updating Related Database Environment



Deployment slots run on the same infrastructure as Production!

Conduct Load Testing in ANOTHER App Service Plan

Module Summary

- Overview of deployment slots
- Configured Application Settings for deployment slots
- Created deployment slot and updated settings
- Deployed new version of application to staging deployment slot
- Swapped staging slot with production slot

Managing Custom Domains