Publishing Sites on Premise Azure and AWS Including Redis Cache

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Publishing Multi-tenant Web Sites to on Premise Azure and AWS

- Visual Studio publishing
- Multi-tenant DNS configuration and theory
- Setting up and installing multi-tenant apps on IIS on premise
- Setting up and configuring Redis for cache on a local server
- Deploying an ASP.NET web site and SQL Server to Azure
- Deploying an ASP.NET web site and SQL Server to Amazon Web Services (AWS)
- Deploying a Redis server on Azure to support our ASP.NET multi-tenant app

Deploying to IIS on Servers Either Virtual or Physical

- Type of servers
- Setting up DNS records (A and CNAME)
- IIS setup including header records
- Visual Studio publish settings
- Demonstration

Publishing Multi-tenant Module Roadmap

On Prem	Azure	AWS	
✓	✓	✓	DNS
✓	✓	✓	Account Setup
✓	✓	✓	Web Site Setup
	✓	✓	SQL Server Setup
✓	✓	✓	Firewall
✓	✓	✓	Web.Config Settings
✓	✓	✓	Publish
✓	✓	✓	Install Tools
✓	✓		Redis

DNS Record Setup

A Records

onpremise.kellnermultitenant.com

points to

206.72.118.158

CNAME Records

onpremise-angu.kellnermultitenant.com

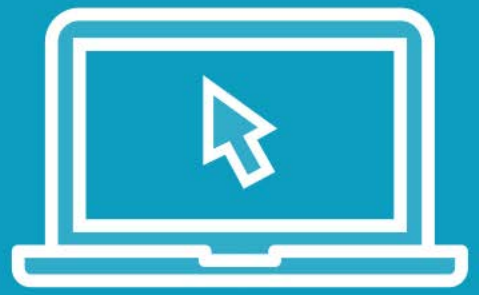
onpremise-svcc.kellnermultitenant.com

onpremise-cssc.kellnermultitenant.com

all point to

onpremise.kellnermultitenant.com

Demo



Basic IIS setup

Application pools and versions

Header records

Deploying to IIS on Servers Either Virtual or Physical

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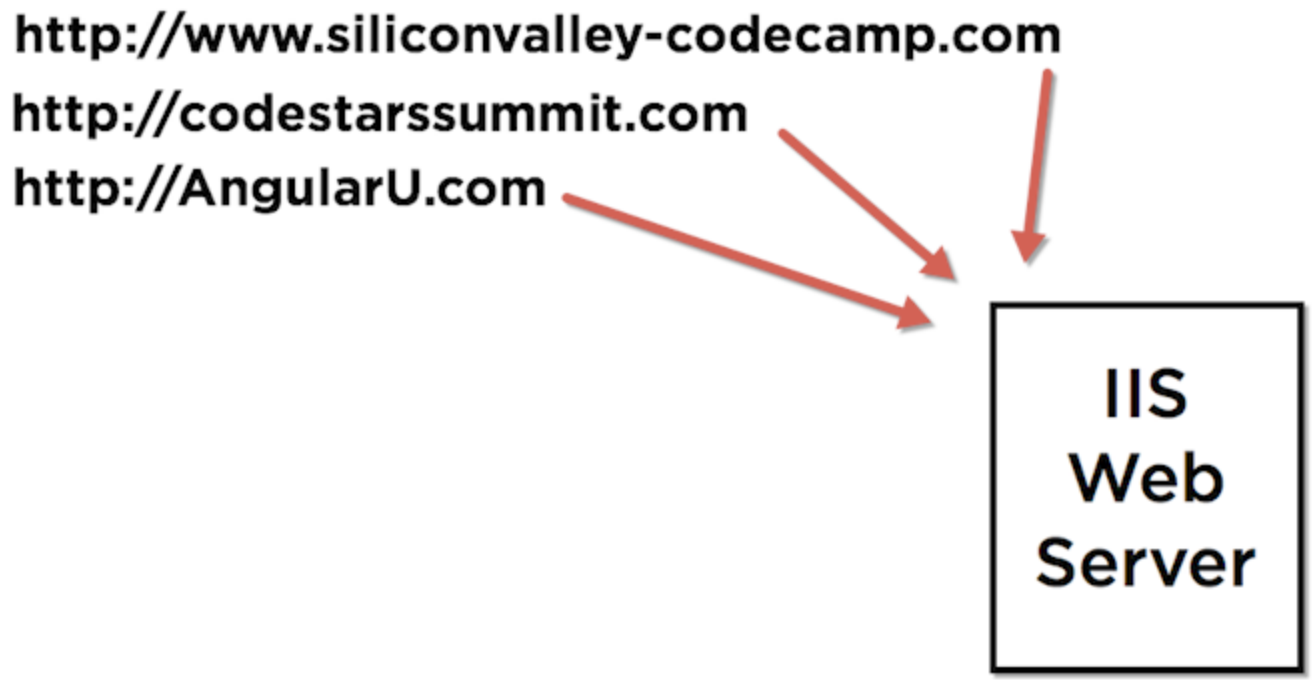
Adding Redis Cache Both on Premise and Using Azure

- What does Redis do for us
- Installing Redis on dedicated hardware
- Adding a Redis cache provider to our multi-tenant web site
- Using Redis from an Azure web site for excellent scaling

Adding Redis Cache Both on Premise and Using Azure

Adding Redis Cache Both on Premise and Using Azure



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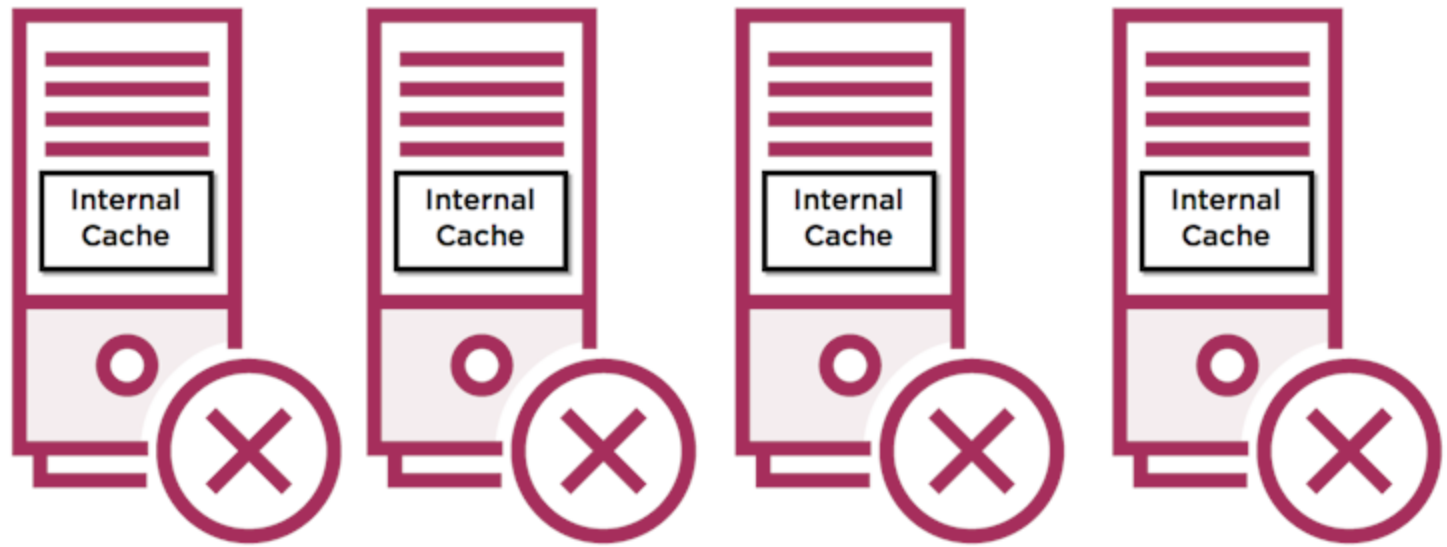

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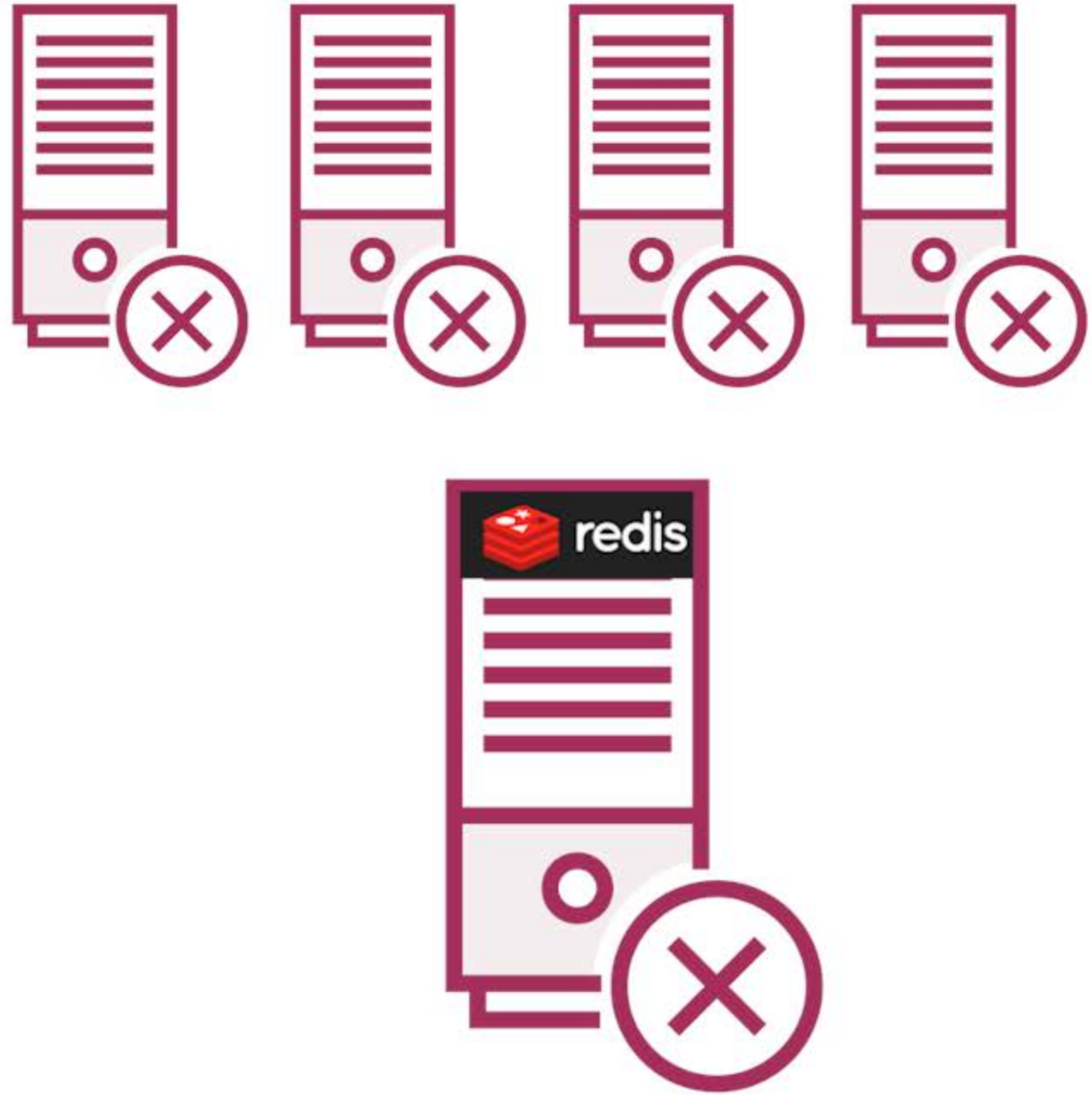
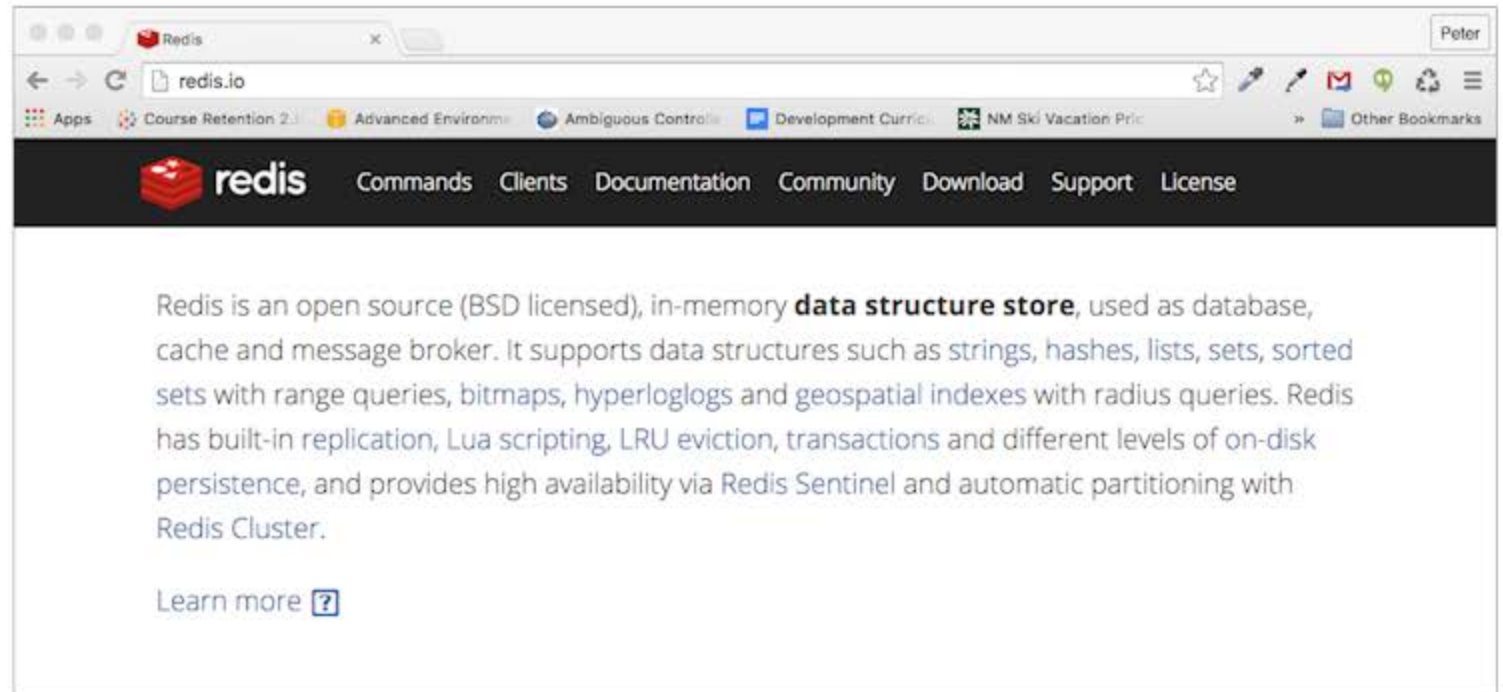


Adding Redis Cache Both on Premise and Using Azure

What does Redis do for us



Deploying a Web Farm Multi-tenant Website with SQL Server to AWS

- Configuring SQL Server RDS on AWS
- Reviewing AWS security groups
- Updating web.config connection strings
- Deploying with Visual Studio and the AWS extension
- Setting up DNS records (CNAME)
- Demonstrations

Summary

- Deployed on premise
- Deployed Azure
- Deployed Amazon AWS
- Configured Redis cache
- Deployed Redis cache
- DNS setup everywhere