

## Exam AZ-300: Microsoft Azure Architect Technologies Crash Course

In this live virtual training course, Microsoft MVP Tim Warner walks you through what to expect on the AZ-300 Microsoft Azure Architect Technologies exam. The new Azure certifications are aligned to industry job roles; earning Azure certification both validates your specific Azure skill set and increases your value in today's crowded IT job market.

Develop the knowledge and skills required to do the work of the Azure cloud solutions architect (CSA). The course includes several hands-on exercises to bridge the gap between theory and practice, and Tim provides you with real-world, practical tips and tricks to boost your Azure skills even long after the training session is over.



This Live Virtual Training is for:

- AZ-300 certification candidates
- Current or prospective Azure cloud solution architects (CSAs)
- On-premises data center administrators and developers who are pressured to “skill up” in Azure
- Microsoft Partners who require certification to achieve a competency rating

You will learn to:

- Deploy and manage Azure infrastructure
- Implement Azure workloads in the platform as a service (PaaS) and infrastructure as a service (IaaS) scenarios
- Create and deploy cloud apps
- Implement authentication mechanisms for cloud apps
- Prepare for the AZ-300 certification exam to prove your skills and increase your professional credibility

Prerequisites:

The Microsoft Certified Azure Solutions Architect Expert credential requires learners to have a healthy skills balance:

- Azure administrator: Deploying, managing, and troubleshooting Azure resources by using Azure portal and Azure PowerShell
- Azure developer: Coding and maintaining PaaS and IaaS applications, which rely on Azure AD, databases, and so forth
- Azure architect: Choosing which Azure services to compose for a customer to meet their business goals and financial/technical constraints

*\*Note – Live virtual training is a crash course intended to be part of a candidate's larger study & prep plan toward certification.*

**Price:** CAD 940 for the live virtual training course, which includes access to Pearson self-study materials (i.e. video training).

**Schedule:** November 14 & 15, 2019 (6 hours total, 3 hours per day)

**Course times:** 6 am – 9 am PST

### About the instructor:

Tim Warner is a Microsoft Most Valuable Professional (MVP) in Cloud and Datacenter Management based in Nashville, TN. He is a Pluralsight staff instructor, a Microsoft Press author, and a part-time Microsoft Azure solutions consultant. Tim's professional specialties include Microsoft Azure, cross-platform PowerShell, and all things Windows Server-related. You can reach Tim via Twitter (@TechTrainerTim), LinkedIn or his website, [techtrainertim.com](http://techtrainertim.com).

## Course Set-up:

To follow along with the demonstrations and practice on his or her own, the learner should have the following environment available:

- Windows or macOS computer
- Web browser and Internet connection
- Microsoft account to create an Azure trial subscription (free): <https://support.microsoft.com/en-us/help/4026324/microsoft-account-how-to-create>
- Microsoft Azure 30-day trial (free): <https://azure.microsoft.com/en-us/free/>
- A paid Azure subscription if they already used their trial: <https://azure.microsoft.com/en-us/offers/pay-as-you-go/>

And please go to the following link for Tim's course files:

<https://github.com/timothywarner/azure-arch-crash-course>

## Course Outline:

### Introduction (10 minutes)

#### Module 1: Deploy and Configure Azure Infrastructure (70 minutes)

- Analyze resource utilization and consumption
- Create and configure storage accounts
- Create, configure, and automate the deployment of Windows and Linux virtual machines (VMs)
- Create connectivity between virtual networks
- Implement and manage virtual networking
- Manage Azure Active Directory (Azure AD)
- Implement and Manage Hybrid Identities

*Break – 10 minutes*

#### Module 2: Implement Azure Workloads and Security (70 minutes)

- Migrate servers to Azure
- Configure serverless computing
- Implement application load balancing
- Integrate an on-premises network with an Azure virtual network
- Manage role-based access control (RBAC)
- Implement Multi-Factor Authentication (MFA)

#### Module 3: Create and Deploy Apps in Azure (45 minutes)

- Create web apps by using PaaS
- Design and develop apps that run in containers

#### Module 4: Implement Authentication and Secure Data in Azure (30 minutes)

- Implement authentication
- Implement secure data solutions

*Break – 10 minutes*

#### Module 5: Develop for the Cloud and Azure Storage (45 minutes)

- Develop solutions that use Cosmos DB storage
- Develop solutions that use a relational database
- Configure a message-based integration architecture
- Develop for autoscaling

#### Module 6: Exam AZ-300 Exam Strategy (40 minutes)

- Grasp the content
- Acquire the hands-on skills
- Master computer-based testing
- Comprehend what to expect before, during, and after the exam

### Synthesis (20 minutes)

Content review

Q&A

Takeaways

Next steps