



Course 40515 • Microsoft Azure

# Enterprise-Class Networking in Azure

## Length

- 1 day

## Prerequisites

- Workshop content presumes 300-level of architectural expertise of infrastructure and solutions design.
- We suggest students take a Microsoft Azure Essentials course (<http://www.microsoft.com/en-US/azureessentials>) prior to attending this workshop.

## Audience

- Cloud Architects and IT professionals who have architectural expertise of infrastructure and solutions design in cloud technologies

## What You'll Learn

- Create a Virtual Network and provision subnets
- Create route tables with required routes
- Build a management "jump box"
- Configure firewall to control traffic flow
- Configure Site-to-Site connectivity

This 1-day, instructor-led workshop is intended for data professionals who want to learn more about Azure and Azure services. In this workshop, you will configure a virtual network with Subnets in Azure, secure virtual networks with firewall rules and route tables, and set up access to the virtual network with a "jump box" and a site-to-site VPN connection.

## Workshop Outline

### Module 1: Whiteboard Design Session - Enterprise Class Networking in Azure

- Review the customer case study
- Design a proof of concept solution
- Present the solution

### Module 2: Hands-on Lab - Building a Resilient IaaS Architecture

- Create a virtual network and provision subnets
- Create route tables with required routes
- Create n-tier application and validate functionality
- Build the management station
- Provision and configure partner firewall solution
- Configure the firewall to control traffic flow
- Configure site-to-site connectivity
- Validate connectivity from 'on-premises' to Azure