ProTech Professional Technical Services, Inc.

AZ-600T00: Configuring and Operating a Hybrid Cloud with Microsoft Azure Stack Hub

Course Summary

Description

This course teaches Azure administrators and Azure Stack Hub operators how to plan, deploy, package, update, and maintain the Azure Stack Hub infrastructure. Lessons include deploying Azure Stack Hub, managing the Azure Stack Hub Marketplace, offering App Services and Event Hub resource providers, managing Azure Stack Hub registration, and maintaining system health. This course outlines how decisions in each theses area affects an overall solution. Students will learn through a mix of live demonstrations and hands-on lab activities. This course assumes a working knowledge of Azure and familiarity with virtualization, networking, and identity management. Students are expected to have used the tools common to within Azure environment, such as the Cloud Shell and Resource Explorer.

Objectives

At the end of this course, students will be able to:

- Prepare for Azure Stack Hub deployment
- Manage infrastructure certificates for Azure Stack Hub
- Manage Azure Stack Hub registration
- Configure an Azure Stack Hub home directory
- Provision a service principal for Azure Stack Hub
- Recommend a business continuity disaster recovery (BCDR) strategy
- Manage Azure Stack Hub by using privileged endpoints
- Manage Azure Stack Hub Marketplace
- Offer App Services and Event Hub resource providers
- Manage usage and billing

Topics

- Azure Stack Hub
- Manage Azure Stack Hub Marketplace
- Offer an App Services resource provider for Azure Stack Hub
- Offer an Event Hubs resource provider for Azure Stack Hub
- Manage usage and billing for Azure Stack Hub
- Prepare for Azure Stack Hub deployment
- Manage infrastructure certificates for Azure Stack Hub
- Manage Azure Stack Hub registration
- Manage multi-tenancy for Azure Stack Hub

- Manage access for Azure Stack Hub
- Manage system health on Azure Stack Hub
- Azure Monitor on Azure Stack Hub
- Manage capacity for Azure Stack Hub
- Update infrastructure for Azure Stack Hub
- Manage Azure Stack Hub by using privileged endpoints
- Plan and configure business continuity and disaster recovery
- Offer services for Azure Stack Hub
- Azure Stack Hub PowerShell
- Datacenter integration for Azure Stack Hub

Course Outline

Course Summary (cont'd)

Audience

Students for AZ-600: Configuring and Operating a Hybrid Cloud with Microsoft Azure Stack Hub are interested in becoming Azure Stack Hub operators who provide cloud services to end users or customers from within their own datacenter using Azure Stack Hub. Azure Stack Hub operators responsibilities include planning, deploying, packaging, updating, and maintaining the Azure Stack Hub infrastructure. They also offer hybrid cloud resources and requested services and manage infrastructure as a service (IaaS) and platform as a service (PaaS).

Prerequisites

Successful Azure Stack Hub students have prior experience with operating systems, virtualization, cloud infrastructure, storage structures, and networking:
- Understanding of on-premises virtualization technologies, including VMs and virtual networking
- Understanding of network configuration, including TCP/IP, Domain Name System (DNS), virtual private networks (VPNs), firewalls, and encryption technologies
- Understanding of Active Directory concepts, including domains, forests, and domain controllers

If you are new to Azure and cloud computing, consider one of the following resources:
- Free online: Azure Fundamentals (http://docs.microsoft.com/en-us/learn/paths/azure-fundamentals/)
- Instructor-led course: AZ-900: Azure Fundamentals (https://docs.microsoft.com/en-us/learn/certifications/courses/az-900t01)
- Prerequisites for Azure administrators (https://docs.microsoft.com/en-us/learn/paths/az-104-administrator-prerequisites/

Duration

Four days