

Fast Start – Azure for Linux Fundamentals



Accelerate

Transform industry challenges into your opportunity by distinguishing yourself, and delighting your customers with Microsoft Azure based application platforms

Benefits

- Accelerate deploying of Open Source Software Technology on Azure
- Drive readiness for your IT engineers through education services
- 4 days on-site engagement to kick start your onboarding on Azure for Open Source Software

New Cloud Platform New Opportunities

Open Source Software on Microsoft Azure opens up a new world of opportunities for Enterprises to evolve beyond their datacenters for their line of business applications which have depended on Open Source Software deployed either physically or through virtualization.

With support for the major distributions of Linux you can truly port any application to Azure. Azure will also allow you to bring your own image to Azure allowing you to maintain company standards and security.

The Fast Start – Azure for Linux Fundamentals is designed to bring you from the very base of working with Linux all the way through deploying and managing your Linux systems in Azure.

Fast Start for Microsoft Azure helps you quickly deploy new cloud workloads.

Fast Start helps introduce you to the basics of common Microsoft Azure workloads, provides guidance and education for your IT engineers, and provides support during initial workload deployment. The service includes:

- **Education Services** to help enhance your support staff's technical and operational skills and help drive operational readiness.
- **Onboarding accelerator**, which is a direct engagement with a Microsoft engineer who works with you to provide deployment or migration assistance. This assistance can include planning and validation of a proof of concept or production workload by using Microsoft products.



1: Education

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2: Onboarding

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Outcome:
Acceleration

Step 1: Education - Workshop: Azure for Linux Fundamentals

The Fast Start - Azure for Linux Fundamentals workshop section delivers a general purpose education for providing Infrastructure-as-a-Service for Linux distributions.

Each group of modules is organized by scenario and is designed to provide participants with expertise, tools to help you quickly acquire knowledge and skills to design and deploy on Microsoft Azure. A number of technology focused demos augment the workshop content.

Syllabus

This workshop runs for about 10 hours

Module 1: Linux 101

This module covers the basics of Linux, items such as disks, configuration files, memory, CPU, file systems, firewall.

Module 2: Deploying Linux

This module covers Azure specifics in relation to the supported Linux distributions, the available deployment methods including PowerShell, Portal and Azure.

Module 3: Managing Linux

This module covers the post deployment steps, like configuring SSH, adding additional disks. Install AzureCLI and working with the Linux Agent.

Module 4: Custom Deployments

This module covers aspects of customizing the Linux image as well as migrating existing images to the Azure cloud.

Module 5: Docker

Docker runs on Linux, this module introduces containers and explore Docker concepts as well as how to deploy a Docker machine on Azure.

Module 6: Red Hat

This module introduces you to the basics of running Red Hat virtual machines in Azure.

Step 2: Onboarding Accelerator: Azure for Linux Fundamentals

The Fast Start - Azure for Linux Fundamentals onboarding accelerator section aims at introducing the customer to using Linux on Azure. It will provide a guided hands on experience in different area's to quick start the usage of Linux.

Engagement runs about 20 hours.

Summary of Deliverables

In summary, the service will include the following:

- Deploying Linux on Azure
- Creating custom images
- Using Docker
- Monitoring with OMS

Prerequisites

We expect the participants to have:

- General understanding of Azure Principals (Networking/VM's/Storage).
- Access to Azure Subscription
- If RedHat is being used, a suitable subscription should also be in place
- Internet connection