



28. DevOps with OSS on Azure – 1 Day Training & Hands-on Workshop

In this one-day training course along with hands-on lab, you learn about OpenSource and DevOps ecosystem on Azure and about building CI/CD environments on Azure using open source tools and processes. The lab scenario will challenge you to setup continuous integration and delivery of an application using open source tools such as Jenkins and GitHub along with automated deployments to Azure App Services. You will learn about continuous deployment and the benefits of staged publishing.

Architecture: 28.architectreimage.png

Who this is for:

- DevOps and Open Source Engineers
- Application Developers

Agenda:

- Module-1: Understand OSS, DevOps ecosystem on Azure
- Module-2 : Design Solution architecture
- Module-3: Learn and build building base infrastructure
 - Create a virtual machine to execute the lab
 - Install the MySQL Workbench
- Module-4: Learn Deploy the Web Application and Database to Azure
 - Create the MySQL database
 - Restore the osTicket database to MySQL PaaS
 - Create the Web App
 - Configure the osTicket Web App
 - Configure FTP deployment credentials
 - Configure a staging slot
- Module 5: Learn about Git and Configure local Git repository
 - Clone a GitHub repository locally
- Module 6: Configure Git and Jenkins for continuous integration, delivery and deployment
 - Deploy a Jenkins server in Azure
 - Post-deployment configuration of the Jenkins server
 - Configure Jenkins staging deployment
 - Configure your GitHub repo to notify Jenkins of changes
 - Check in a change to trigger Jenkins job
 - Manually deploy to production
- Summary



At the end of the Workshop: At the end of this lab, you will be better able to design solutions and implement solutions that use complex OSS workloads using Azure.

Duration: 8 Hour
Onsite

Mode of Delivery: Online and

Azure services and related products

- Azure Virtual Machines
- Azure Web Apps (Linux)
- Azure Storage Accounts
- Azure Database for MySQL
- Azure Traffic Manager
- Azure CDN
- Jenkins
- GitHub

Level:

Immediate

Please reach out to info@spektrasystems.com incase of any questions or for scheduling.