

Introductory Tasks

1. Set up your developer environment for Service Fabric
 - a. [Windows](#)
 - b. [Mac](#)
 - c. [Linux](#)
2. Create a local Service Fabric cluster
3. Familiarize yourself with deploying an application on local cluster
 - a. Deploy a container application
 - i. [Linux](#)
 - ii. [Windows](#)
 - b. Deploy a [.NET Reliable Services](#) application
 - c. Deploy a [Java Reliable Services](#) application
 - d. [Deploy a non container, non reliable services application](#) written in any language of your choice
4. Familiarize yourself with deploying an application on [party cluster](#) (must use Facebook to login)
 - a. Deploy a container application
 - i. [Linux](#)
 - ii. [Windows](#)
 - b. Deploy a [.NET Reliable Services](#) application
 - c. Deploy a [Java Reliable Services](#) application
 - d. [Deploy a non container, non reliable services application](#) written in any language of your choice
5. Create a [secure Service Fabric cluster](#). Could also do it through portal.
 - a. Windows
 - b. Linux
6. Familiarize yourself with deploying an application to the secure cluster.
 - a. Deploy a container application
 - i. [Linux](#)
 - ii. [Windows](#)
 - b. Deploy a [.NET Reliable Services](#) application
 - c. Deploy a [Java Reliable Services](#) application
 - d. [Deploy a non container, non reliable services application](#) written in any language of your choice

Intermediate Tasks

1. Configure and set up a CI/CD pipeline
 - a. [Configure VSTS with Service Fabric](#) and deploy an application using it
 - b. [Configure Jenkins with Service Fabric](#) and deploy an application using it
2. Configure and [set up a monitoring solution](#) with Service Fabric
3. Service to service communication
 - a. Use [API Management](#) with Service Fabric
 - b. Use [Reverse Proxy](#) with Service Fabric
 - c. Use [Traefik](#) on Service Fabric
4. Build and deploy a .NET or Java stateful or actor service in Service Fabric
5. Run a Minecraft image on Service Fabric and connect to it using the Minecraft client.
Requires a Minecraft client and subscription.
 - a. [Minecraft server images](#)
6. Run [chaos tests](#) on the .NET Reliable Services sample

Stretch Goals

1. Create [cross-region Service Fabric clusters](#)
2. Configure your [service and cluster for dynamic scale](#)

Team up in groups of 4 and get to work :-)

<http://docs.microsoft.com/azure/service-fabric>

Consider...

- You only have 3 hours!
- Focus on reporting learnings and choices you had to make, not presenting solutions
- Use all the good stuff out there, samples, tutorials
- Make it a team work exercise