Azure | Lab Brief

**Working with virtual machines
(Create a virtual machine within a resource group and add it to a availability set)**

Learning Outcomes

1. Create a Resource Group
2. Create an Azure Virtual Machine
3. Learn about incoming and outgoing port rules
4. Learn how to RDP into a Windows instance

How To Do It?-1

1) Create a Resource Group with the following details
   a) Name: TestGroupGL
   b) Location : South India

2) Create a new Virtual Machine with the following details in the resource group created above
   a) Operating System : Windows Server 2016 Datacenter
   b) Size : Standard DS1 v2
   c) Region : South India
   d) Inbound Ports : HTTP, HTTPS, RDP

3) Download the RDP file of the created VM and use it to initiate a remote connection to the VM.

4) Take note of the various resources that were created in the resource group.

How To Do It? -2

5) Create a Virtual machine scale set within the the same resource group with the following parameters
   a) Number of instances : 3
   b) Size : Standard DS1-v2
   c) Autoscaling : on
   d) Number of VMs : 1-10
   e) Threshold for scaling up : 80%
   f) Threshold for scaling down :30%
   g) Scaling should be done in increments of 1

6) Observe the resources that get deployed as part of the scale set.