Create Azure Virtual Machine Scale Set
With Scheduling (Portal)
(LAB-103-02-06)

Part A: Register Microsoft Insight

1. From the Azure Portal, go to the left menu, select All Services.

2. Search "***Subscriptions***", under all services

3. Select the "***Subscriptions***"

4. Select your default subscriptions

5. Under settings, select "Resource Providers"

6. Search "***microsoft.insight***"

7. Click Register and the status will switch from NotRegistered to Registering.

    Note: It tales approx. 5-15 minutes, refresh and see if it's registered.

Part B: Create Azure VM Scale Set

1. Click the "***Create a Resource***" link in the left-hand navigation bar

2. Search for "***Virtual Machine Scale Set***" from search option

3. From the search results, select "***Virtual Machine Scale Set***"

4. In the Virtual Machine Scale Set panel, select "***Create***"

5. You will be required to fill in specific information regarding your virtual machine, including:

    a. Virtual machine scale set name: Provide scale set name. "***ScaleSet1030206***"

    b. Operating system disk image:

        i. Select   "***Browse all image ….***"
        ii. Select   "***Compute***"
        iii. Search   "***Windows Server 2019 Datacenter***"
        iv. Select   "***Windows Server 2019 Datacenter [Microsoft]***"

c.	Subscription:	Select default subscription group
d.	Resource Group:	Create the new resource group. "**RG-103-02-06**"
e.	Location:	Select region **"Western Europe"**
f.	Availability zone:	Dropdown & Select "**Zone-1**" & "**Zone-2**"
g.	Username:	Provide username
h.	Password:	Provide password
i.	Instance count:	Provide no. as "**1**"
j.	Instance size:	

      i. Select "Search"
      ii. Select "*Appropriate size for the virtual machine*" Example "**DS1 v2**"

k.	Deploy as low priority:	Select "**No**"
l.	Autoscale:	Select "**Disabled**"
m.	Choose Load balancing options:	Select "**None**"
n.	Virtual network:	Select "**Create New**". It will open new Windows. In the name provide virtual network name "**ScaleSetVNeT**". (leave the default settings of address space & subnets) & select "OK".
o.	Public IP address per instance:	Select "**On**"

Part C: Create an Auto Scale Setting based on schedule

1. From the Azure Portal, go to the left menu, select Resource Groups.

2. Select the Resource Group, "**RG-103-02-06**"

3. Select the Virtual Machine Scale Set "**ScaleSet1030206**"

4. Select the Scaling

5. On the autoscale setting, click the **Enable Autoscale** button

6. You will be required to fill in specific information regarding your autoscale:

    b. Autoscale setting name: Provide an autoscale set **Name**

    c. Click on the **Add a scale condition** link under the default profile.

    d. Scale-Out Conditions

        i. Edit the **Name** of this profile to be Scale Out [Adding VM]

        ii. Scale Mode: Select "***Scale to a specific instance count***"

        iii. Instance Count: Provide count as "***2***"

        iv. Schedule: Select "***Specify start/ end days***"

        v. Timezone: Select your "***local timezone***"

        vi. Start Date: Select "***today's date***"

        vii. Start Time: Provide "***start time***"
                                   Info: Provide time in hh:mm:ss am/pm

        viii. End Date: Select "***today's date***"

        ix. End Time: Provide "***end time***"
                                   Info: Provide time in hh:mm:ss am/pm, with 10 mnts. gap between start & end time

    e. Scale-In Conditions

        i. Edit the **Name** of this profile to be Scale-In [Removing VM]

        ii. Scale Mode: Select "***Scale to a specific instance count***"

        iii. Instance Count: Provide count as "***1***"

        iv. Schedule: Select "***Specify start/ end days***"

        v. Timezone: Select your "***local timezone***"

        vi. Start Date: Select "***today's date***"

        vii. Start Time: Provide "***start time***"
                                   Info: Provide time in hh:mm:ss am/pm, with 10 mnts. gap between end time of Scale-Out [Step d.ix]

viii.	End Date:	Select "*today's date*"
ix.	End Time:	Provide "***end time***"
		Info: Provide time in hh:mm:ss am/pm, with 10 mnts. gap between start & end time

f. Delete the default profile

g. Press "***Save***"

Part C: Observe the VM Status

1. From the Azure Portal, go to the left menu, select Resource Groups.

2. Select the Resource Group, "***RG-103-02-06***"

3. Select the Virtual Machine Scale Set "***ScaleSet1030206***"

4. Select the Instances to observe the Virtual machine running at the during the
   a. Scale-Out Start & End Time [Part B, step 6.d]

   b. Scale-In Start & End Time [Part B, step 6.e]