Activate Azure with App Service Environment

Student Lab Manual

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Contents

Activate Azure with App Service Environment

Student Lab Manual

Contents

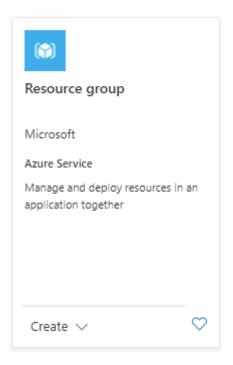
Exercise 1 - Create a Resource Group

Exercise 2 - Create a Virtual Network

Exercise 3 - Create a ILB App Service Environment v3

Exercise 1 - Create a Resource Group

- 1. On the Azure portal menu or from the **Home** page, select **Create a resource**.
- 2. In the **Search services and marketplace** search bar, search for **Resource Group**

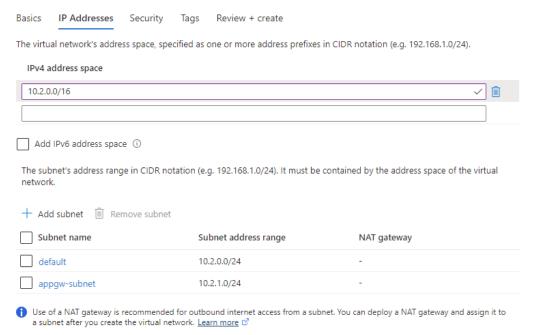


- 3. Click on **Create**
- 4. From the **Basics** tab:
 - 1. For **Subscription**, select the appropriate subscription
 - 2. For **Resource Group**, give the resource group an appropriate name
 - 3. For **Region**, select an appropriate region
 - 4. Click on **Review + Create**
 - 5. Click on Create

Exercise 2 - Create a Virtual Network

- 1. On the Azure portal menu or from the **Home** page, select **Create a resource**.
- 2. Select **Networking** and then select **Virtual Network** -> **Create** in the **Popular Azure services** list or search for **Virtual Network** in the **Search services and marketplace** search bar.
- 3. From the **Basics** tab:
 - 1. For **Subscription**, select the appropriate subscription

- 2. For **Resource Group**, select the resource group created in Exercise 1
- 3. For **Name**, enter an appropriate name. (Example: vnet-asev3)
- 4. For **Region**, select the appropriate region
- 5. Click on Next: IP Addresses
- 4. From the **IP Addresses** tab:
 - 1. Create a subnet that will eventually hold the Application Gateway:
 - 1. Click on + Add subnet
 - 2. In the **Subnet name** textbox, type in **appgw-subnet**
 - 3. In the **Subnet address range** textbox, type in an appropriate subnet, for example **10.2.1.0/24**
 - 4. Click on Add
 - 2. You should now have two subnets listed (**default** and **appgw-subnet**). If you do not have two, please add a second one following the steps above.

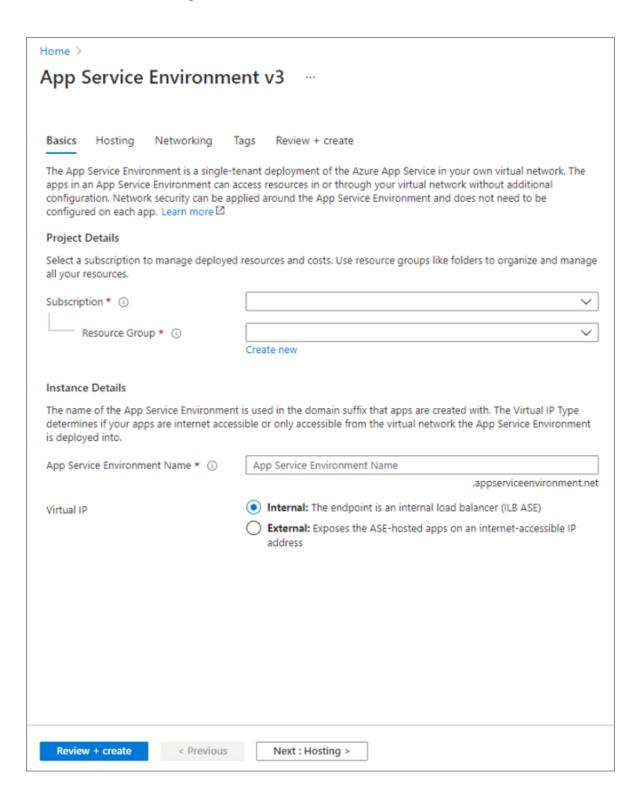


- 3. Click on Review + Create
- 5. Click on Create

Exercise 3 - Create a ILB App Service Environment v3

- 1. On the Azure portal menu or from the **Home** page, select **Create a resource**.
- 2. In the Search services and marketplace search bar, search for App Service Environment v3
- 3. Click Create
- 4. From the **Basics** tab:

- 1. For **Subscription**, select the appropriate subscription.
- 2. For **Resource Group**, select the resource group created in Exercise 1
- 3. For **App Service Environment Name**, enter an appropriate name. NOTE: Ensure this name is globally unique.
- 4. For Virtual IP, select Internal
- 5. Click on Next: Hosting



- 1. For **Physical hardware isolation**, select **Disabled**.
- 2. For **Zone redundancy**, select **Disabled**.
- 3. Click on Next: Networking

Home > Create a resource > App Service Environment v3 >

Create App Service Environment v3

Basics	Hosting	Networking	Tags	Review + create
Zone redundancy is not available with physical hardware isolation.				
Hardware isolation				
${\sf App \ Service \ Environments \ can \ be \ deployed \ with \ physical \ hardware \ isolation \ for \ an \ additional \ charge. \ {\sf Learn \ more \ C}^{\tt Z}}$				
Physical hardware isolation		\sim	Enabled: Your App Service Environment will be hosted on two dedicated physical hosts.	
			\sim	Disabled: Your App Service Environment will be hosted on virtual isolated hardware.

Zone redundancy

An App Service Environment can be deployed as a zone redundant service in the regions that support it. This is a deployment time only decision. Changing zone redundancy is not possible after it has been deployed. Learn more

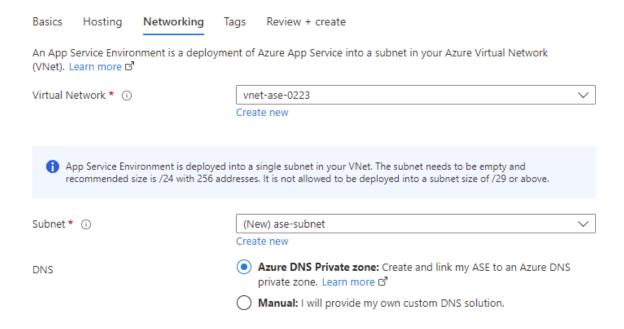
Zone redundancy

- Enabled: Your App Service Environment and the apps in it will be zone redundant. The minimum App Service plan instance count will be three.
- Disabled: Your App Service Environment and the apps in it will not be zone redundant. The minimum App Service plan instance count will be one.

4. From the **Networking** tab

- 1. For **Virtual Network**, select the virtual network created in Exercise 2.
- 2. For **Subnet**, click on **Create new**.
 - 1. For **Subnet Name**, enter an appropriate subnet name (Example: ase-subnet)
 - 2. Click OK
- 3. For **DNS**, select **Azure DNS Private zone**.
- 4. Click on **Review + Create**

Create App Service Environment v3



5. From the **Review + create** tab, click on **Create**.

NOTE: The creation of an ASEv3 can take 2 to 3 hours.