EDGE NEXUS

Microsoft Azure

EdgeADC Deployment Guide

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This document covers the initialisation of the EdgeADC in the Microsoft Azure environment.

Licensing Methodologies in Azure

There are two methods of licensing the EdgeADC in Azure.

Azure Timed License

This method of licensing and deployment uses Azure's time-based licensing and charging. You will be charged for the use of the EdgeADC on an hourly basis. There are several sizes of EdgeADC to choose from when using this licensing model.

- 500 Mbps – allows a maximum throughput of 500 Mbps.
- 1 Gbps – allows a maximum throughput of 1 Gbps.
- 3 Gbps – allows a maximum throughput of 3 Gbps.
- 10 Gbps – allows a maximum throughput of 10 Gbps.
- Unlimited – allows an unlimited throughput with no maximum.

Bring-Your-Own-License (BYOL)

The BYOL license version of the product allows you to purchase licenses from your reseller partner and utilise them in the Azure deployed EdgeADC. This highly flexible method means you can use this license in any environment should you wish to move from the Azure system at a future date. It also allows the use of both perpetual and SaaS licenses available from Edgenexus. The license can be one of the following types:

- Perpetual
    - 300 Mbps – allows a maximum throughput of 300 Mbps.
    - 1 Gbps – allows a maximum throughput of 1 Gbps.
    - 3 Gbps – allows a maximum throughput of 3 Gbps.
    - 6 Gbps – allows a maximum throughput of 6 Gbps.
   - Unlimited – allows an unlimited throughput with no maximum.
- SaaS Annual Contract
    - 300 Mbps – allows a maximum throughput of 300 Mbps.
    - 1 Gbps – allows a maximum throughput of 1 Gbps.
    - 3 Gbps – allows a maximum throughput of 3 Gbps.
    - 6 Gbps – allows a maximum throughput of 6 Gbps.
    - Unlimited – allows an unlimited throughput with no maximum.

The license is installed using the EdgeADC's interface located in *System > Licensing*.

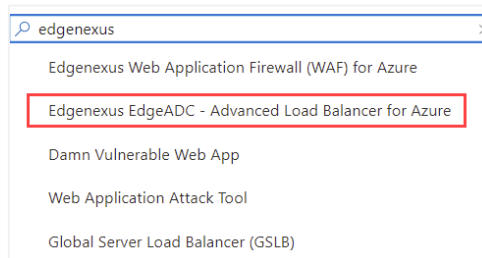## Deploying the EdgeADC Azure Appliance

Please follow the steps below to deploy the EdgeADC on Azure.

1. The first step is to access your Azure Portal and the Azure Marketplace. You should see something similar to the image below.
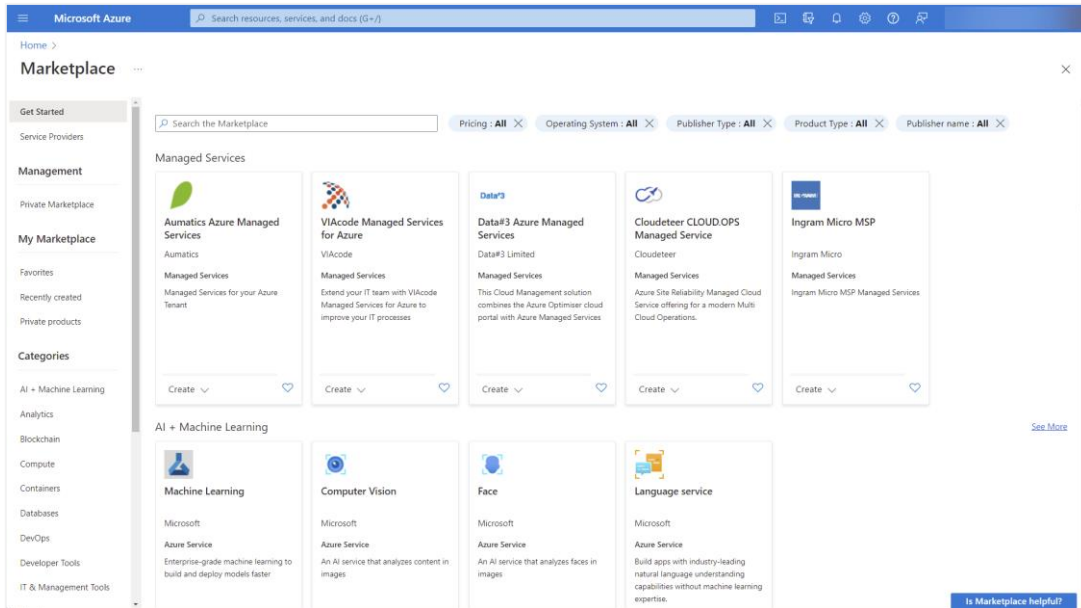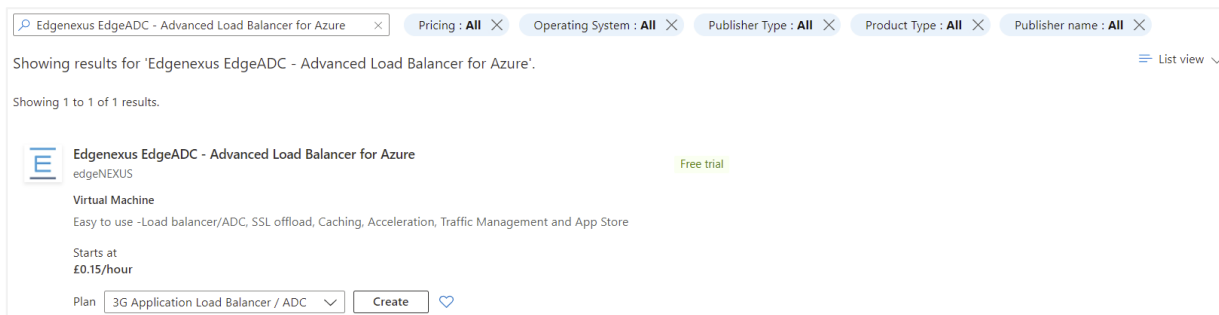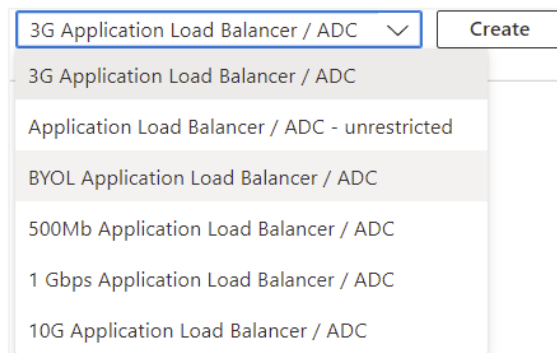
2. Search for Edgenexus and select the option: Edgenexus EdgeADC – Advanced Load Balancer for Azure.

3. The next screen you will see will be the EdgeADC product page.

4. You can now select the license type from the options available within the *Plan* menu and click the *Create* button to initialise the creation of the appliance.

5. Once you click the *Create* button, you will be taken to the next series of settings, starting with *Basic* within the *Create a Virtual Machine* section. See below.

Create a virtual machine ...

Basics   Disks   Networking   Management   Advanced   Tags   Review + create

Create a virtual machine that runs Linux or Windows. Select an image from Azure marketplace or use your own customized image. Complete the Basics tab then Review + create to provision a virtual machine with default parameters or review each tab for full customization. Learn more ⧉

Project details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription * ⓘ	Edgenexus Azure
Resource group * ⓘ	(New) JayTest_group_04191357
	Create new

Instance details

Virtual machine name * ⓘ	JayTest
Region * ⓘ	(US) East US
Availability options ⓘ	No infrastructure redundancy required
Security type ⓘ	Standard
Image * ⓘ	☰ BYOL Application Load Balancer / ADC - Gen1
	See all images | Configure VM generation
Azure Spot instance ⓘ	☐
Size * ⓘ	Basic_A2 - 2 vcpus, 3.5 GiB memory ($57.67/month)
	See all sizes

Administrator account

Authentication type ⓘ	○ SSH public key
	● Password

| Username * ⓘ	azureuser
Password * ⓘ	••••••••••••
Confirm password * ⓘ	••••••••••••

Review + create   < Previous   Next : Disks >

6. Fill in the fields as required. We recommend that you set the *Size* field to Basic_A2, which comprises 2 vCPU and 3.5 Gb of RAM.
7. It is important to remember that the admin login name for the EdgeADC in Azure is **azureuser** and **not** the regular username of admin. **Do not change this username**.
8. Please also select the Authentication Type as Password and use a compliant password.
9. Now click the *Next: Disks* button at the bottom of the section. The page you will be presented with is shown below.
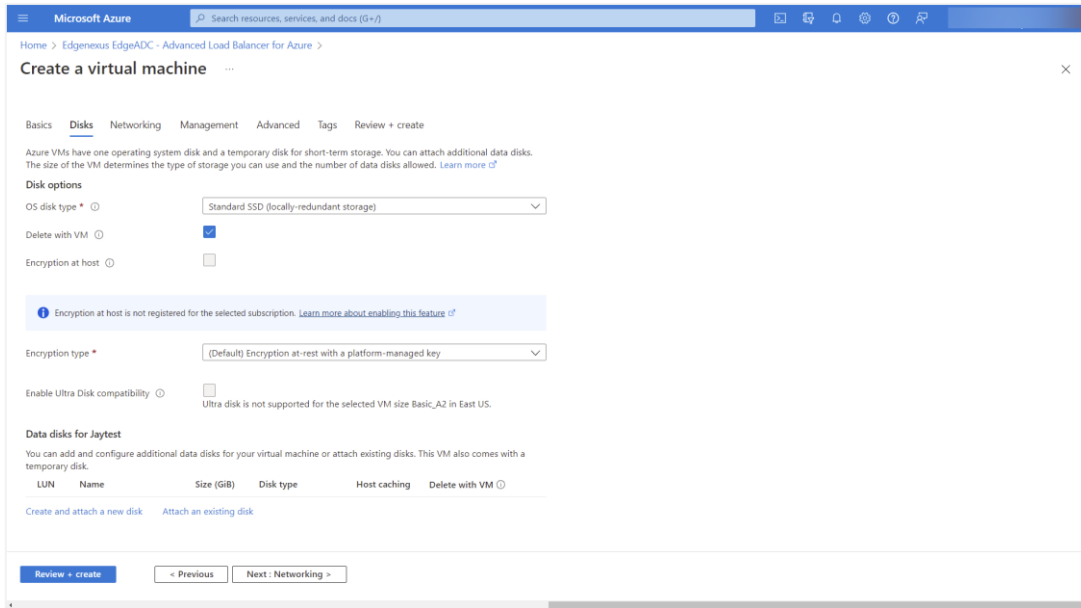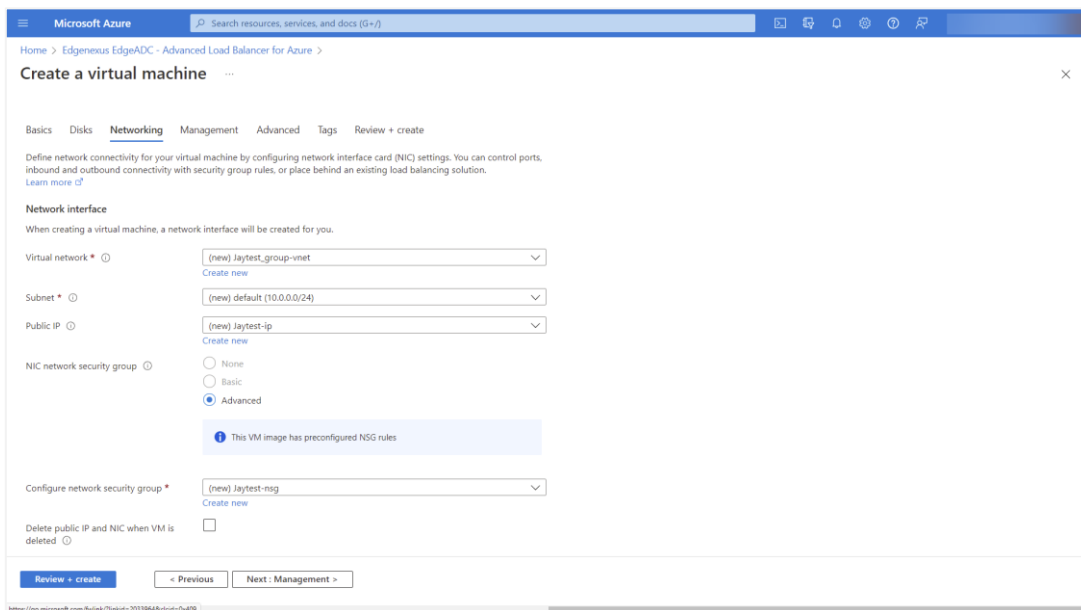
10. The *OS Disk Type* menu gives you the option to change the type of storage medium used. We have preselected the Standard SSD by default, but you may wish to change this.

All other fields can be left as is.

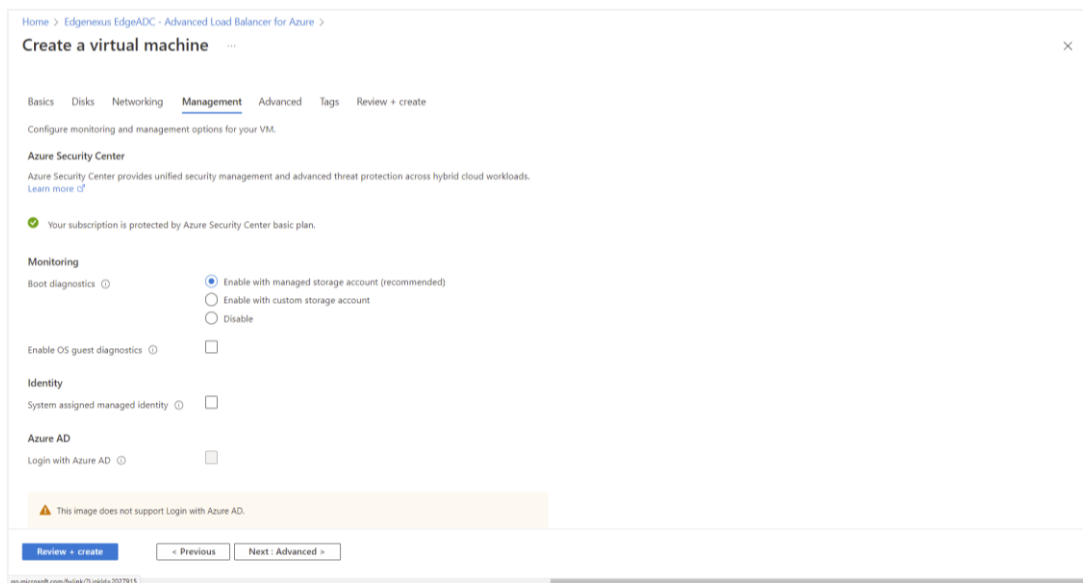11. The next section is *Networking.*

12. There is no real need to change anything on this page, but you will note that it can provide you with a new IP address for accessing the management interface of the EdgeADC. Click the Create New link under the Public IP field to do this.

Public IP ⓘ	(new) JayTest-ip ⌄
	Create new

13. Once clicked, you can select the specifications for the Public IP address. We suggest that you make the IP address a Static address.
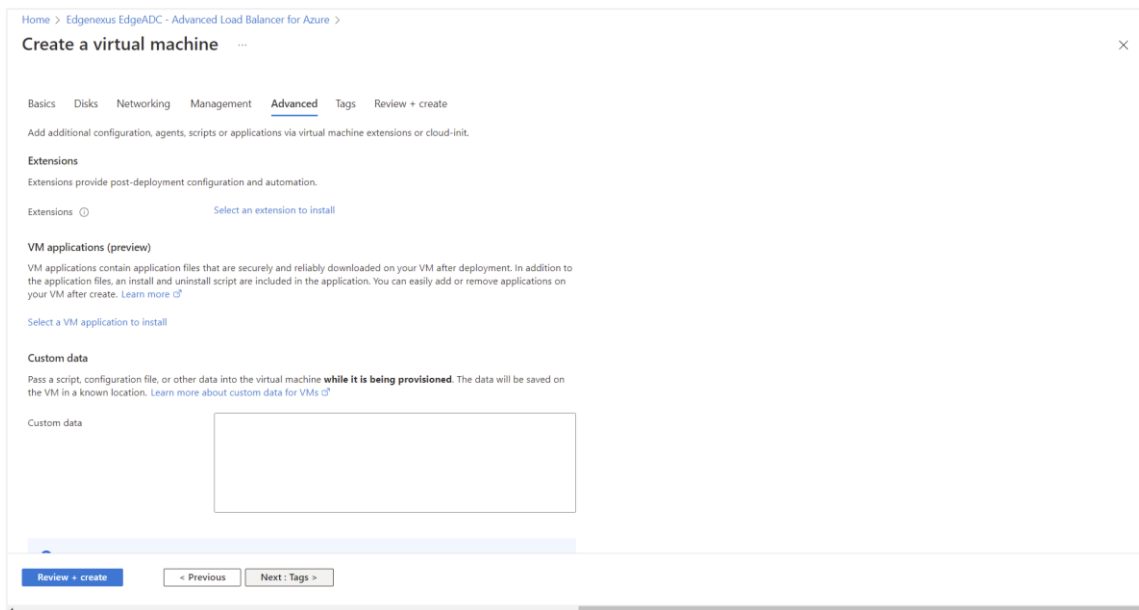
Create public IP address ✕

Name *

JayTest-ip ✓

SKU * ⓘ
⦿ Basic ◯ Standard

Assignment
⦿ Dynamic ◯ Static

14. The next section is *Management*, shown below. There is no need to change anything on this page.

15. The section following *Management* is *Advanced*. Again, there is no need to change anything on this page.
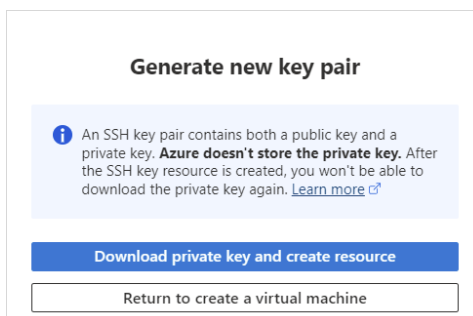
16. The final page before the *Review and Create* is *Tags*. If you wish to add tags to your ADC VM, you can do this here.

17. Finally, you can review and create the ADC in the last Review & Create stage.
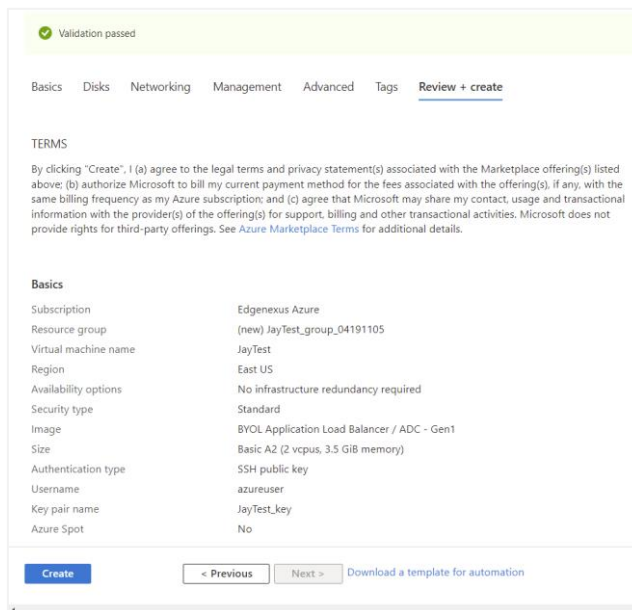
18. You will then be asked to download and store the Private Key Pair. Please do so, as this cannot be recovered and downloaded once the VM is created.

19. Following the download, you will see something similar to the page below.

20. Once the deployment is complete, you will see the screen below.

21. Once deployment has been completed, you can then go to the resource.
22. To test the ADC and configure it, please use your browser to access the following URL:
    https://{IP.ADDRESS}:27376.
23. This will bring up the GUI login. The username and password are:
    username: **azureuser**
    password: {**password.you.set**}

Note: if you need to add additional network interfaces within the internal network to the EdgeADC, you can do this using the Networking section and add them to the ADC GUI within *System > Networking*.