

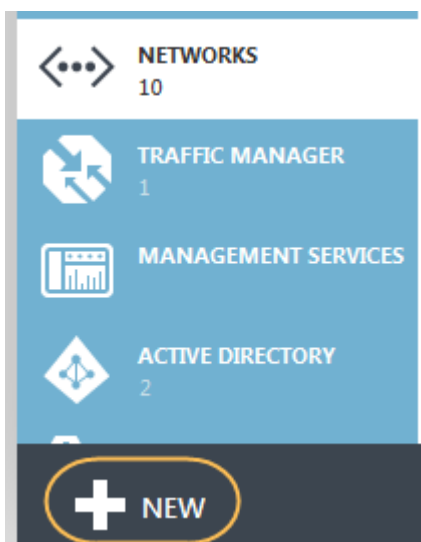
Deploying and Provisioning the Barracuda CloudGen WAF in the Classic Microsoft Azure Management Portal

<https://campus.barracuda.com/doc/13861492/>

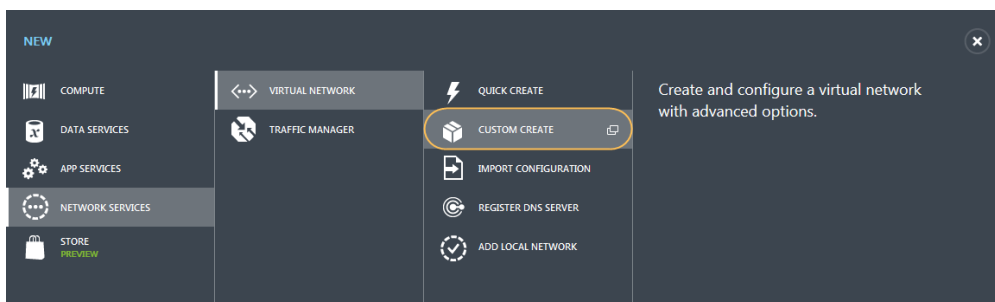
Before you proceed, it is recommended that you go through the [Deployment Best Practices](#) article.

Before deploying and provisioning the Barracuda CloudGen WAF in the Classic (old) Microsoft Azure Management portal, create a Microsoft Azure Virtual Network (Classic VNET) by following the steps below:

1. Log into your [Microsoft Azure Management Portal](#).
2. In the left pane, click **NETWORKS**, and then click **NEW** at the bottom of the screen.



3. Click **NETWORK SERVICES > VIRTUAL NETWORK > CUSTOM CREATE**. The **CREATE A VIRTUAL NETWORK** window appears.



4. On the **Virtual Network Details** page:
 1. Enter a unique name in the **Name** field. For example, *AzureVirtualNet*
 2. Select a location from the **LOCATION** drop-down list. The virtual network can only be used for Azure instances in this geographic region. E.g., **South Central US**

3. Click **Next** .

CREATE A VIRTUAL NETWORK x

Virtual Network Details

NAME LOCATION

5. Optional) On the **DNS Servers and VPN Connectivity** page, select or enter your **DNS SERVERS**.

6. Click **Next** .

7. On the **Virtual Network Address Spaces** page, configure the **ADDRESS SPACE**:
1. **STARTING IP**: Enter the first IP address of the address space you want to use.
 2. **CIDR**: Select the subnet mask for the virtual network. The maximum number of instances for a virtual network are listed in parentheses.
8. Add a **SUBNET**:
1. **STARTING IP**: Enter the first IP address of the subnet.
 2. **CIDR**: Select the subnet mask for the subnet.

CREATE A VIRTUAL NETWORK

Virtual Network Address Spaces

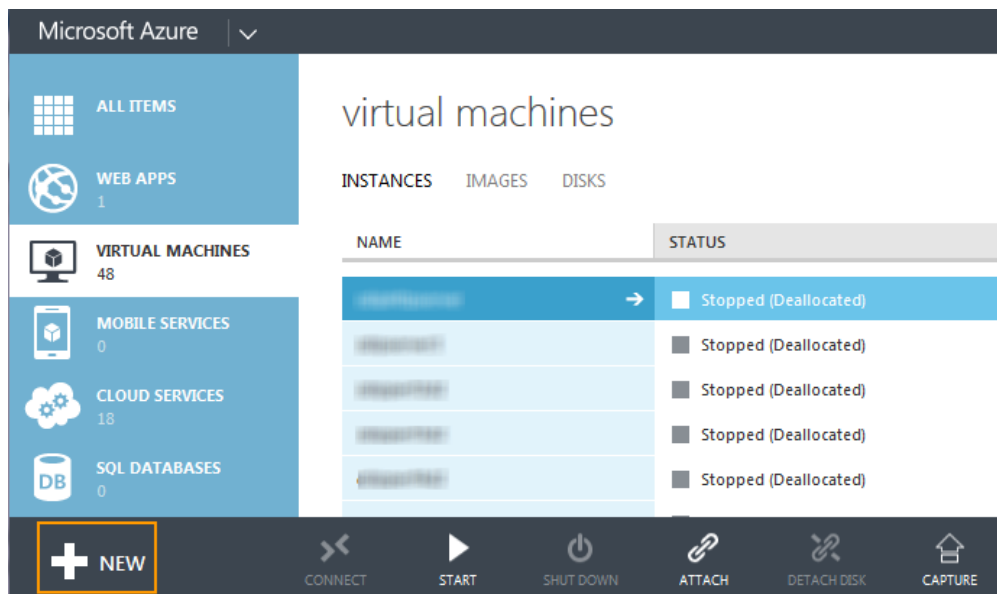
ADDRESS SPACE	STARTING IP	CIDR (ADDRESS COUNT)	USABLE ADDRESS RANGE
10.0.0.0/16	<input type="text" value="10.0.0.0"/>	<input type="text" value="/16 (65536)"/>	10.0.0.0 - 10.0.255.255
SUBNETS			
<input type="text" value="Subnet-1"/>	<input type="text" value="10.0.21.0"/>	<input type="text" value="/24 (256)"/>	
<input type="button" value="add subnet"/>			
<input type="button" value="add address space"/>			

9. Click **Finish** .

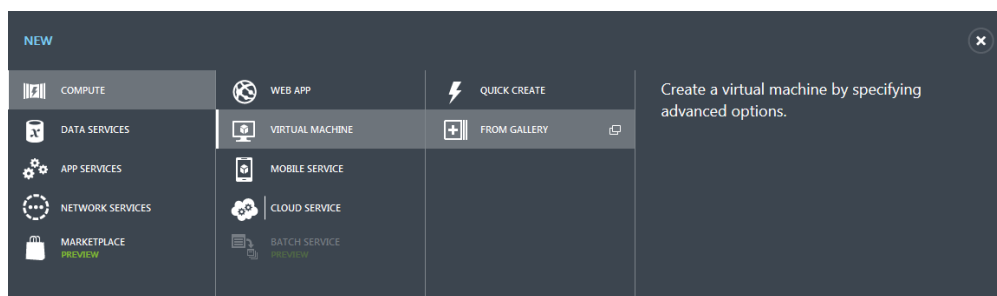
The created virtual network gets displayed in the **VIRTUAL NETWORKS** lists.

After creating the virtual network, perform the following steps to deploy and provision the Barracuda CloudGen WAF in the Classic Microsoft Azure Management portal:

1. Log into the [Microsoft Azure Management Portal](#).
2. On the **VIRTUAL MACHINES** page, click **NEW** at the bottom of the screen.

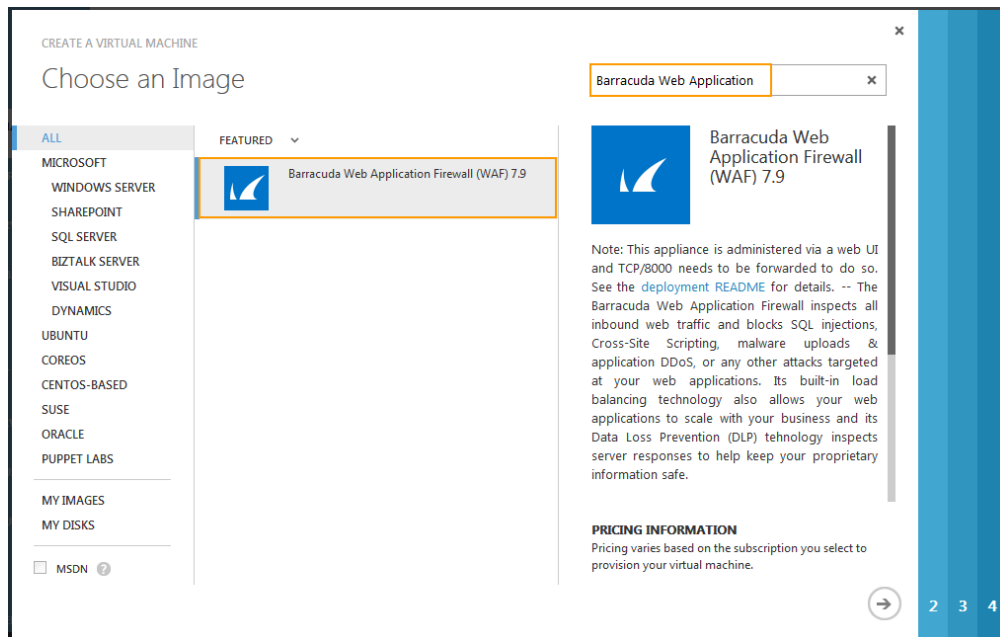


3. In the **NEW** window, navigate to **COMPUTE > VIRTUAL MACHINE > FROM GALLERY**.

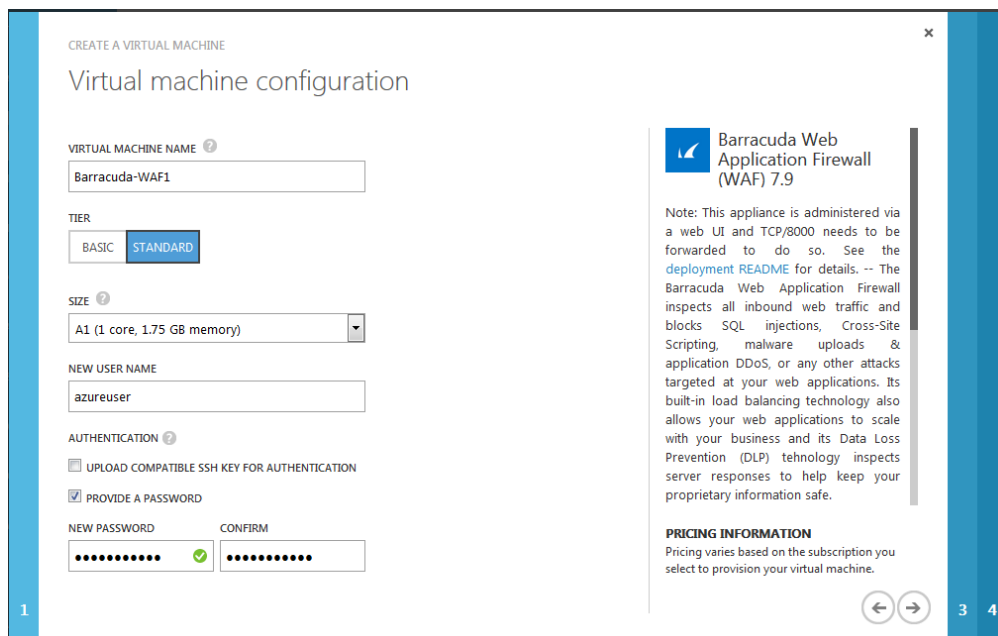


4. On the **Choose an Image** page, search for *Barracuda CloudGen WAF for Azure* image. Select the Barracuda CloudGen WAF for Azure image and click **Next** (->) to continue.

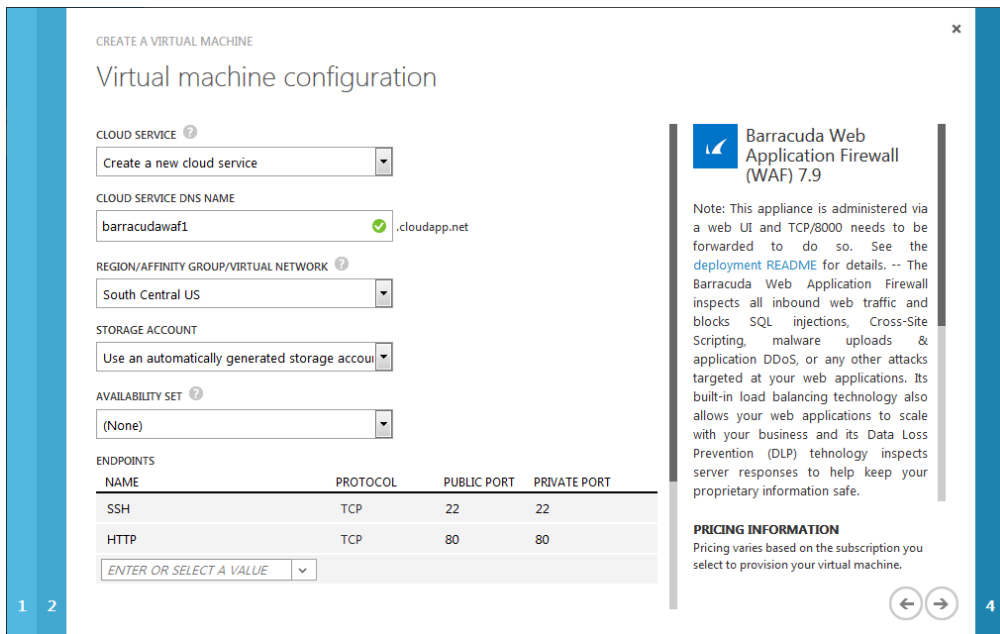
The Classic Portal allows you to deploy only the Barracuda CloudGen WAF **BYOL**. To deploy the Barracuda CloudGen WAF **HOURLY**, use the new portal and follow the instructions mentioned in [Deploying and Provisioning the Barracuda Web Application Firewall Using the New Microsoft Azure Management Portal](#).



5. On the **Virtual machine configuration** page:
 1. Enter a name in the **VIRTUAL MACHINE NAME** field.
 2. Select the **TIER (BASIC or STANDARD)**.
 3. Select a size for the virtual machine from the **SIZE** list based on the Barracuda CloudGen WAF license.
 4. In the **NEW USER NAME** field, enter a username. This entry is not used by the Barracuda CloudGen WAF.
 5. Clear the **UPLOAD COMPATIBLE SSH KEY FOR AUTHENTICATION** check box.
 6. Select the **PROVIDE A PASSWORD** check box and enter a password in **NEW PASSWORD**. Re-enter the password in **CONFIRM** and click **Next (->)**. Note that this will be your password to access the Barracuda CloudGen WAF web interface.



6. On the second page of **Virtual machine configuration**:
 1. Select **Create a new cloud service** from the **CLOUD SERVICE** list.
 2. Enter a name in the **CLOUD SERVICE DNS NAME** field.
 3. Select a region from the **REGION/AFFINITY GROUP/VIRTUAL NETWORK** list.
 4. Select a subnet from the **VIRTUAL NETWORK SUBNETS** list.
 5. Select *None* for **AVAILABILITY SET**.
 6. Configure the **ENDPOINTS** to access the web interface of the Barracuda CloudGen WAF. By default, the Barracuda CloudGen WAF web interface listens on port 8000 for HTTP and port 8443 for HTTPS. Make sure these ports (8000 and 8443) are configured as **ENDPOINTS** on the Barracuda CloudGen WAF. Specify values for the following fields to configure the endpoints.
 1. **NAME**: a name of your choice.
 2. **PROTOCOL**: TCP
 3. **PUBLIC PORT**: 8000
 4. **PRIVATE PORT**: 8000



CREATE A VIRTUAL MACHINE

Virtual machine configuration

CLOUD SERVICE [?]

CLOUD SERVICE DNS NAME
 ✓ .cloudapp.net

REGION/AFFINITY GROUP/VIRTUAL NETWORK [?]

STORAGE ACCOUNT

AVAILABILITY SET [?]

ENDPOINTS

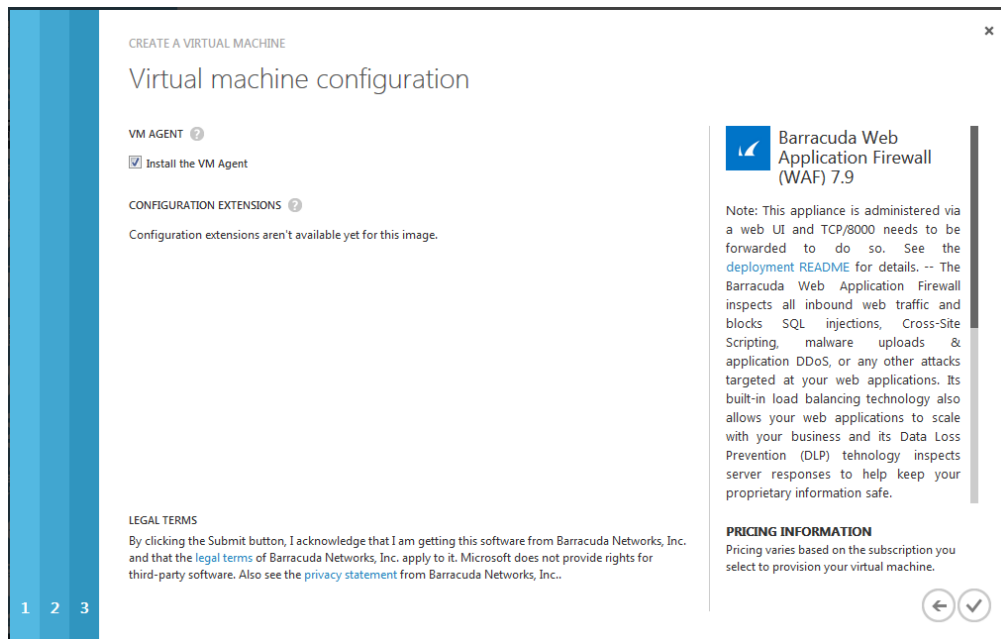
NAME	PROTOCOL	PUBLIC PORT	PRIVATE PORT
SSH	TCP	22	22
HTTP	TCP	80	80

Barracuda Web Application Firewall (WAF) 7.9

Note: This appliance is administered via a web UI and TCP/8000 needs to be forwarded to do so. See the [deployment README](#) for details. -- The Barracuda Web Application Firewall inspects all inbound web traffic and blocks SQL injections, Cross-Site Scripting, malware uploads & application DDoS, or any other attacks targeted at your web applications. Its built-in load balancing technology also allows your web applications to scale with your business and its Data Loss Prevention (DLP) technology inspects server responses to help keep your proprietary information safe.

PRICING INFORMATION
 Pricing varies based on the subscription you select to provision your virtual machine.

7. Follow the same steps to open other ports.
8. Click **Next** (->) to continue.
9. Read the legal terms and product description in the **next** page, and click the check mark (✓) to complete the deployment.



After clicking on (✓), Microsoft Azure begins provisioning the Barracuda CloudGen WAF. You can check the status of the provisioned Barracuda CloudGen WAF from the [Microsoft Azure Management Portal](#) under **VIRTUAL MACHINES**. You will see **Starting (Provisioning)** in the beginning on the Microsoft Azure Management Portal. Allow a few minutes before taking any further actions in the Portal. During this time, the Microsoft Azure Linux Agent and Barracuda CloudGen WAF image boot up.

Make sure you *do not* restart the Barracuda CloudGen WAF while it is provisioning.

Next Step

Continue with the [Barracuda CloudGen WAF Quick Start Guide - Microsoft Azure](#) for licensing and initial configuration of your virtual machine.

Figures

1. New_azure_virtual_network.png
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5. arrow.png
6. Address_Space1.png
7. check_mark.png
8. Virtual_Machines.png
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10. Choose_an_Image.png
11. Virtual_Machine_Configuration.png
12. Endpoints.png
13. VM_Agent.png

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