

How to Deploy the Barracuda Email Security Gateway in the Microsoft Azure Management Portal

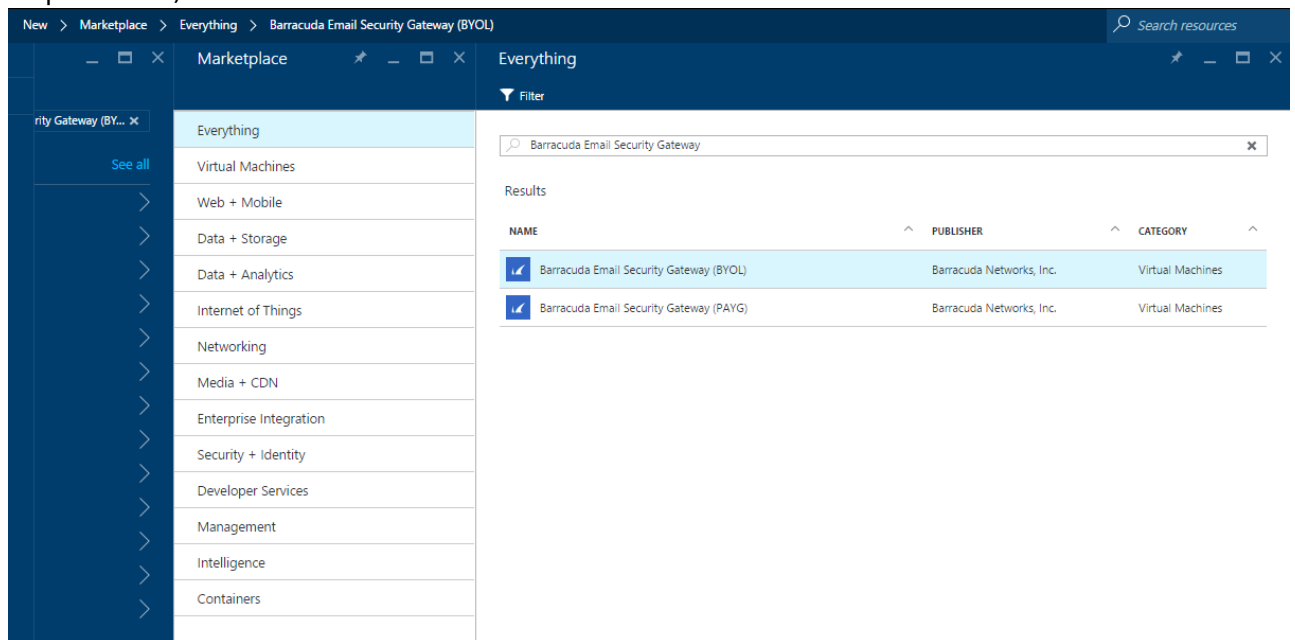
<https://campus.barracuda.com/doc/53248156/>

This guide walks you through the steps to deploy and provision the Barracuda Email Security Gateway on Microsoft Azure using either the Azure Resource Manager Model or the Classic Model.

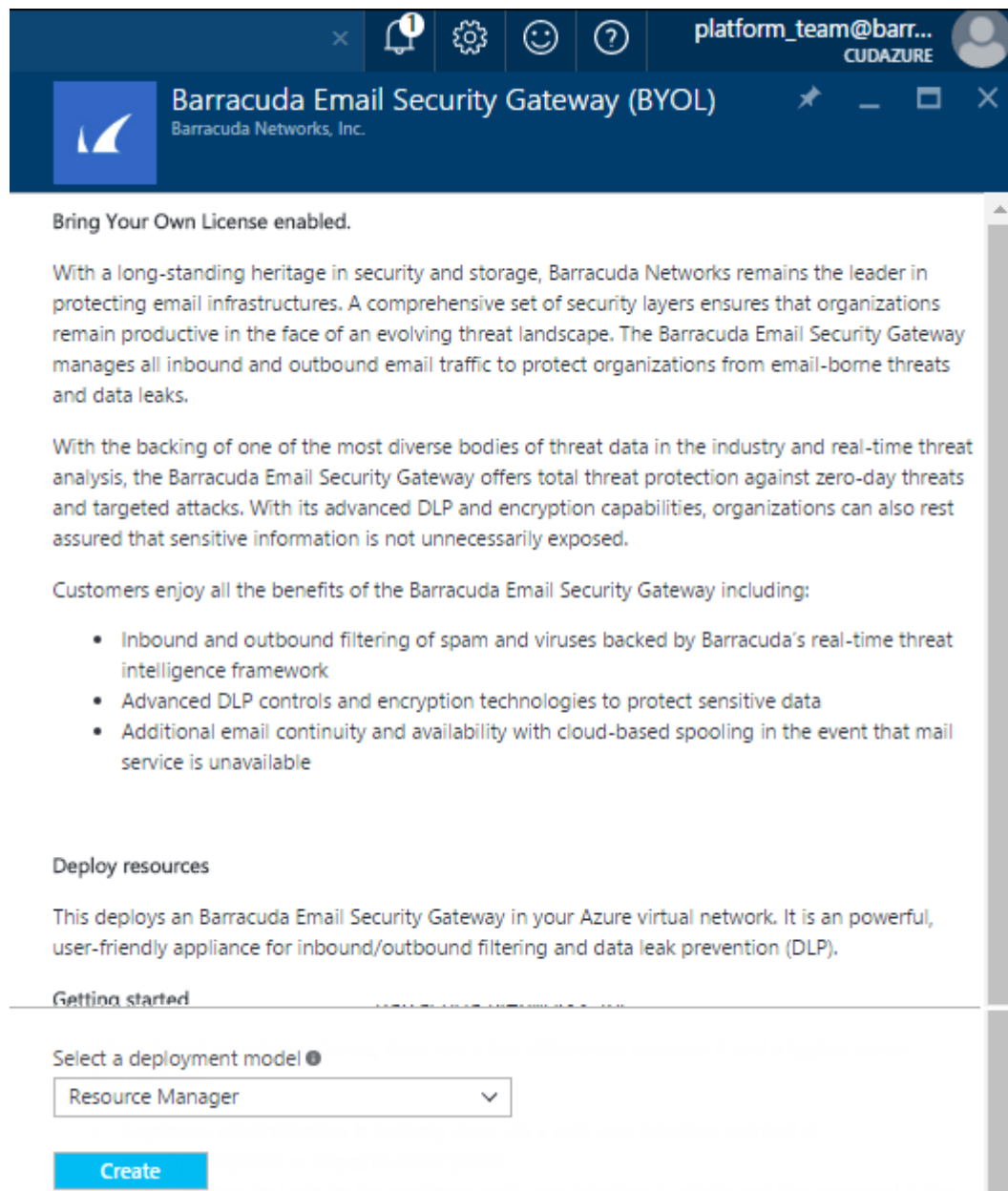
Deploying and Provisioning the Barracuda Email Security Gateway Using the Azure Resource Manager Model

Perform the following steps to deploy and provision the Barracuda Email Security Gateway using Resource Manager in the new Microsoft Azure portal:

1. Log into the [Microsoft Azure Management Portal](#).
2. Click **Marketplace** at the bottom of the screen.
3. In the **Everything** page, enter *Barracuda Email Security Gateway* in the text field.
4. In the search results, select Barracuda Email Security Gateway (**BYOL** or **PAYG** as per your requirement).

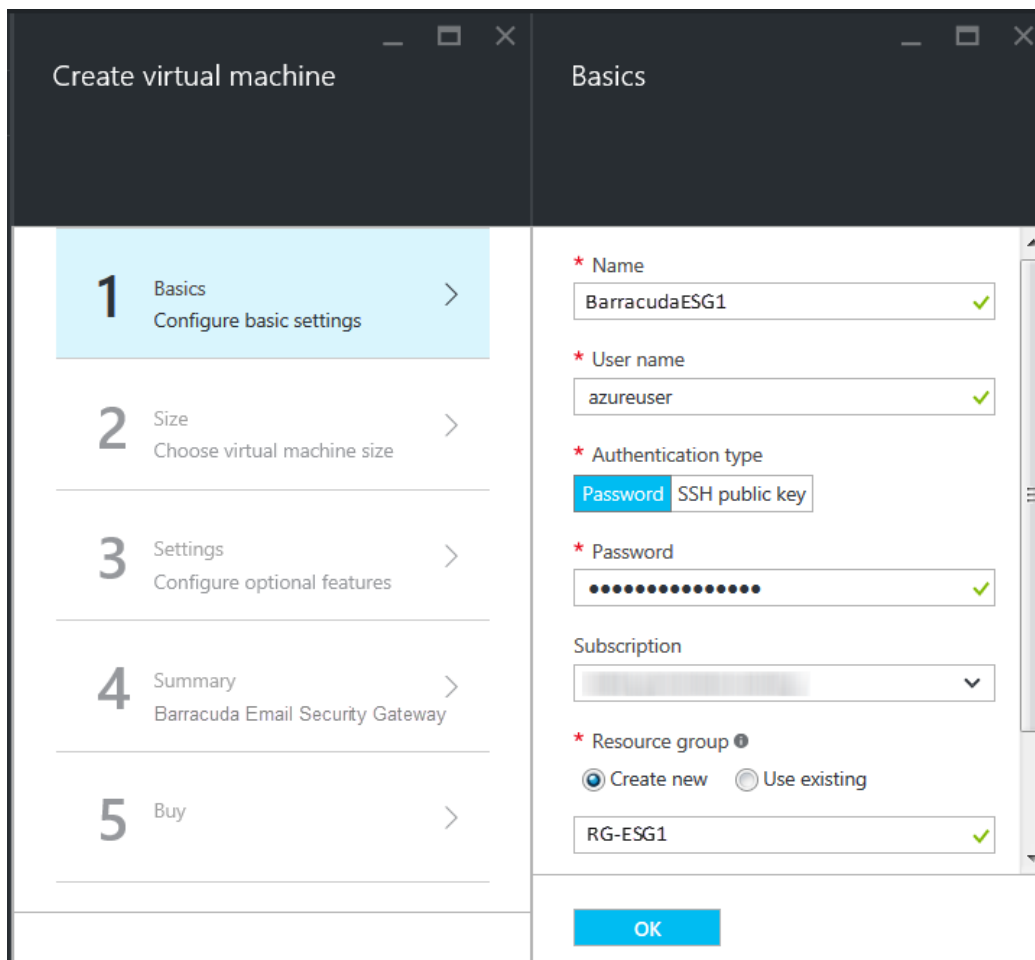


5. In the **Bring Your Own License enabled/Free Trial enabled** page:
 1. Read the product overview.
 2. Select **Resource Manager** as a deployment model from the **Select a deployment model** drop-down list.
 3. Click **Create**.

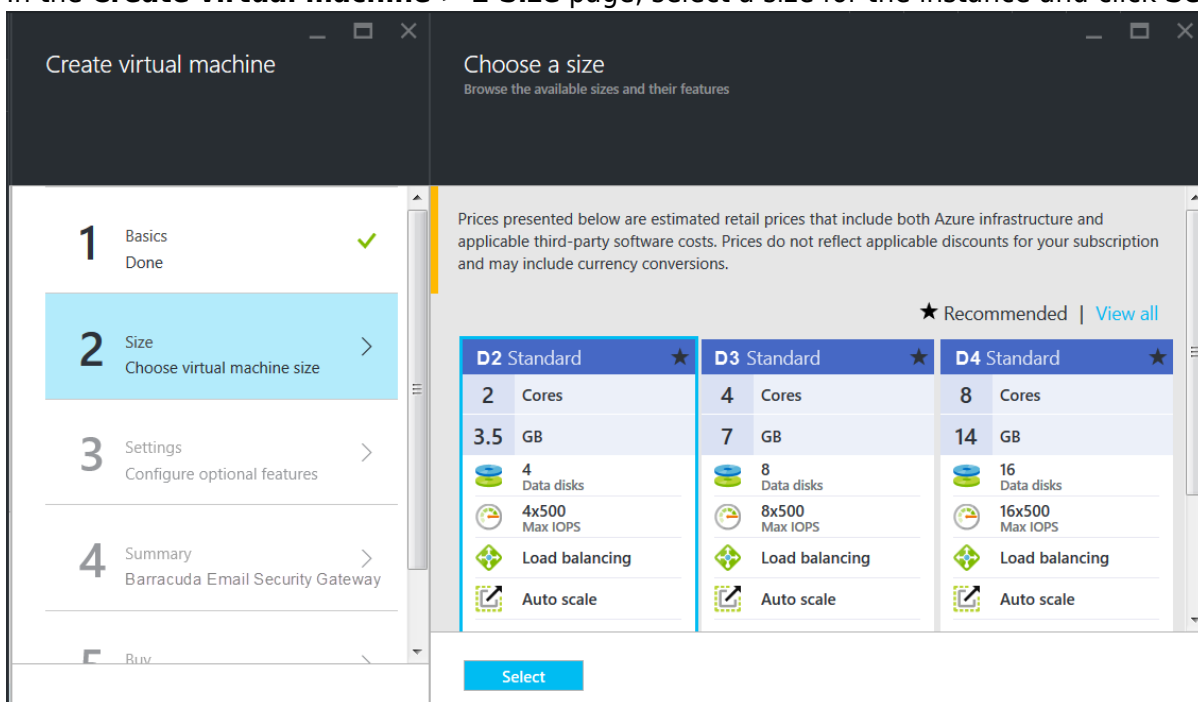


6. In the **Create virtual machine > 1 Basics** page:

1. **Name:** Enter a name for the virtual machine.
2. **User name:** Enter a username. **Note:** This entry is not used by the Barracuda Email Security Gateway.
3. **Authentication Type:** Choose **Password** and enter a password for the authentication. Note that this will be your password to access the Barracuda Email Security Gateway web interface.
4. **Resource Group:** Create a new resource group or select a resource group from the existing **Resource group** list.
5. **Location:** Select a location for the resource group.
6. Click **OK**.



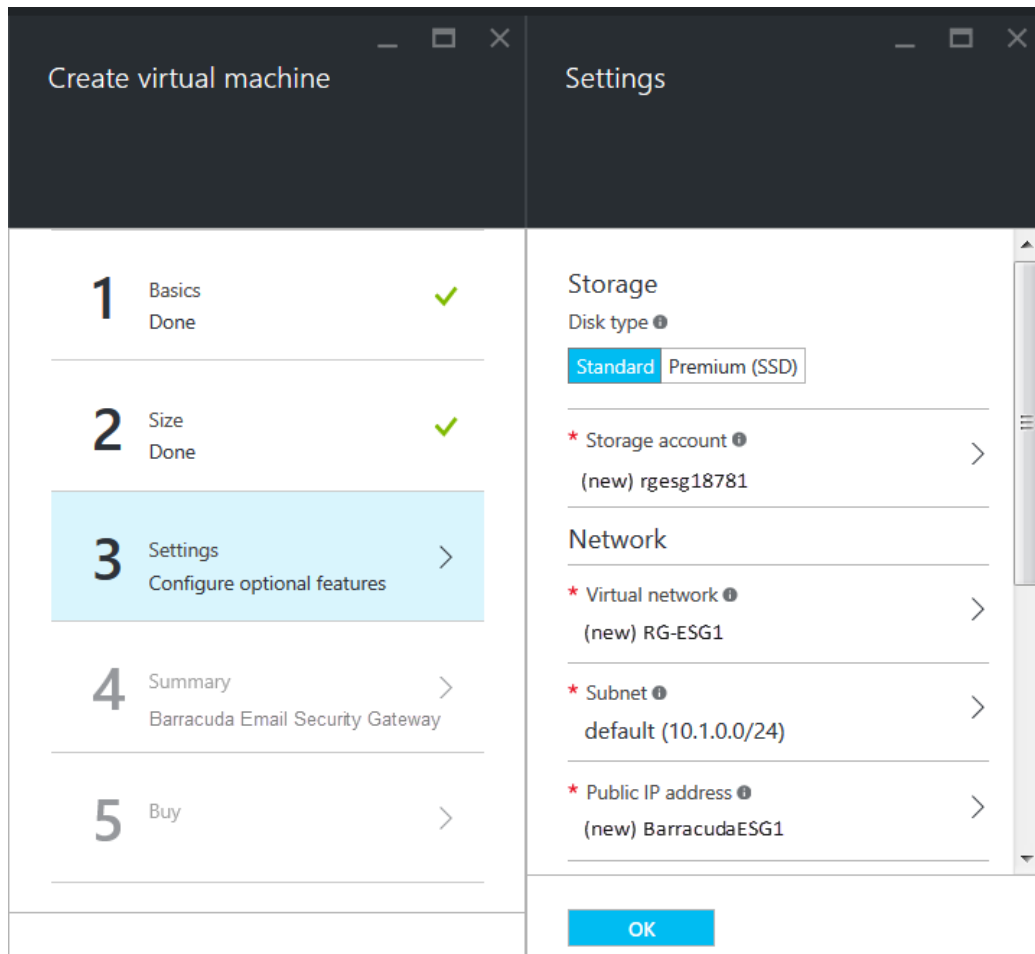
7. In the **Create virtual machine > 2 Size** page, select a size for the instance and click **Select**.



8. In the **Create virtual machine > 3 Settings** page:

1. **Storage**

1. **Data type:** Select **Standard/Premium (SSD)** as per your requirement.
2. **Storage account:** Create a new storage account or select a storage account from the existing **Storage account** list.
2. **Network**
 1. **Virtual network:** Configure or select the network in which you want to deploy the Barracuda Email Security Gateway.
 2. **Subnet:** Configure or select the subnet in which you want to deploy the Barracuda Email Security Gateway.
 3. **Public IP address:** Configure or select the public IP address to the Barracuda Email Security Gateway.
 4. **Network security group:** By default, port 8000 (TCP), port 443 (TCP) and port 25 (TCP) will be opened as in your **Security Group**. Configure additional rules if required.
3. **Extensions**
 1. **Extensions:** Do not add any extension, as the Barracuda Email Security Gateway does not support extensions.
4. **Availability**
 1. **Availability set:** Create an availability set or select an availability set from the existing **Availability set** list. Note: If you intend to use this virtual machine in cluster, ensure all virtual machines in cluster is configured with same availability set.



The screenshot shows the 'Create virtual machine' wizard in the Azure portal. The left pane displays the progress of the wizard with five steps: 1. Basics (Done), 2. Size (Done), 3. Settings (Configure optional features), 4. Summary (Barracuda Email Security Gateway), and 5. Buy. Step 3 is currently selected. The right pane shows the 'Settings' configuration page. Under 'Storage', the 'Disk type' is set to 'Standard' (with 'Premium (SSD)' as an alternative). Below this, 'Storage account' is set to '(new) rgesg18781'. Under 'Network', 'Virtual network' is '(new) RG-ESG1', 'Subnet' is 'default (10.1.0.0/24)', and 'Public IP address' is '(new) BarracudaESG1'. An 'OK' button is at the bottom right of the settings pane.

Step	Section	Status
1	Basics	Done
2	Size	Done
3	Settings	Configure optional features
4	Summary	Barracuda Email Security Gateway
5	Buy	

Settings

Storage

Disk type ⓘ

Standard Premium (SSD)

* Storage account ⓘ (new) rgesg18781

Network

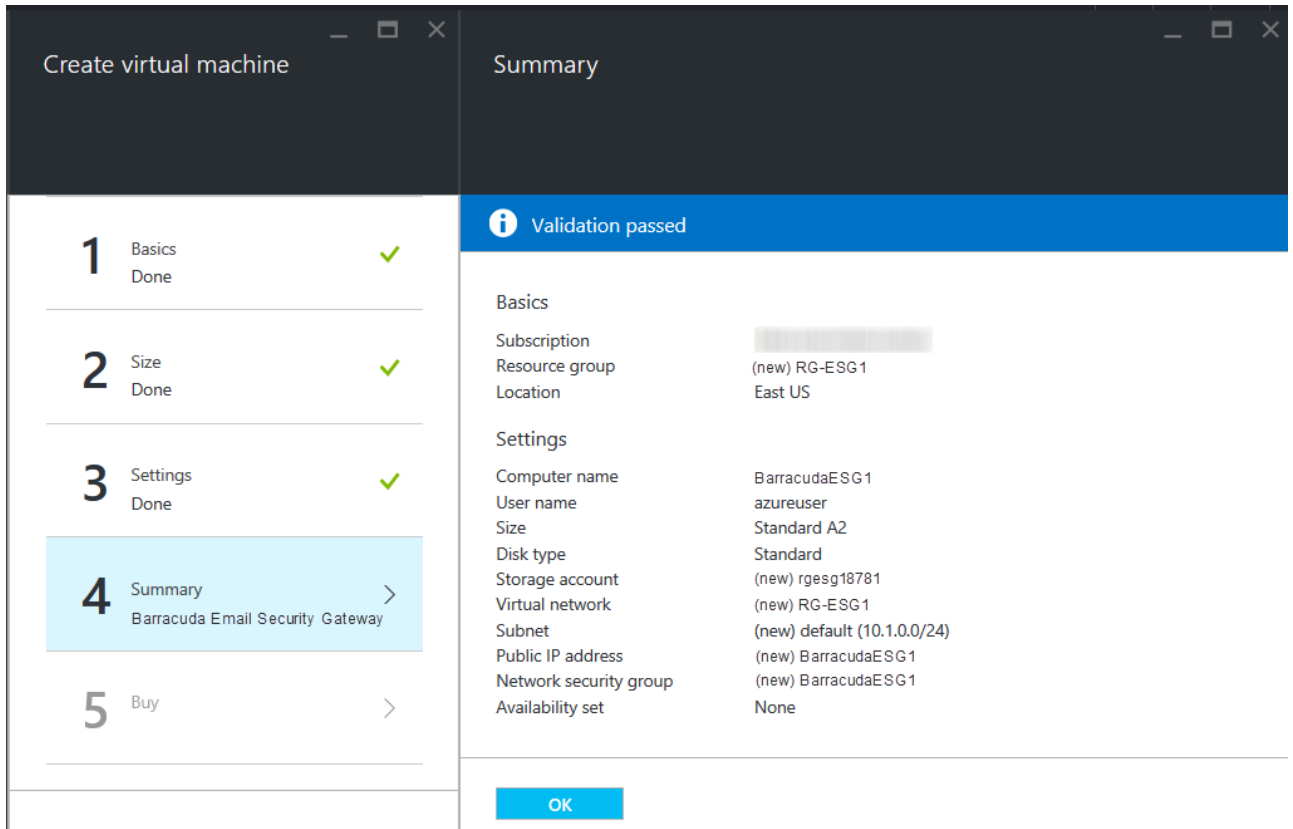
* Virtual network ⓘ (new) RG-ESG1

* Subnet ⓘ default (10.1.0.0/24)

* Public IP address ⓘ (new) BarracudaESG1

OK

9. In the **4 Summary** page, review the configuration settings and click **OK**.



The screenshot shows the 'Create virtual machine' wizard in the Azure portal, specifically the 'Summary' step. The left sidebar shows five steps: 1 Basics (Done), 2 Size (Done), 3 Settings (Done), 4 Summary (Barracuda Email Security Gateway), and 5 Buy. Step 4 is highlighted. The main area shows a 'Validation passed' message. Below this, the 'Basics' section lists: Subscription (redacted), Resource group (new) RG-ESG1, and Location East US. The 'Settings' section lists: Computer name BarracudaESG1, User name azureuser, Size Standard A2, Disk type Standard, Storage account (new) rgesg18781, Virtual network (new) RG-ESG1, Subnet (new) default (10.1.0.0/24), Public IP address (new) BarracudaESG1, Network security group (new) BarracudaESG1, and Availability set None. An 'OK' button is at the bottom.

Step	Step Name	Status
1	Basics	Done
2	Size	Done
3	Settings	Done
4	Summary	Barracuda Email Security Gateway
5	Buy	

Validation passed

Basics

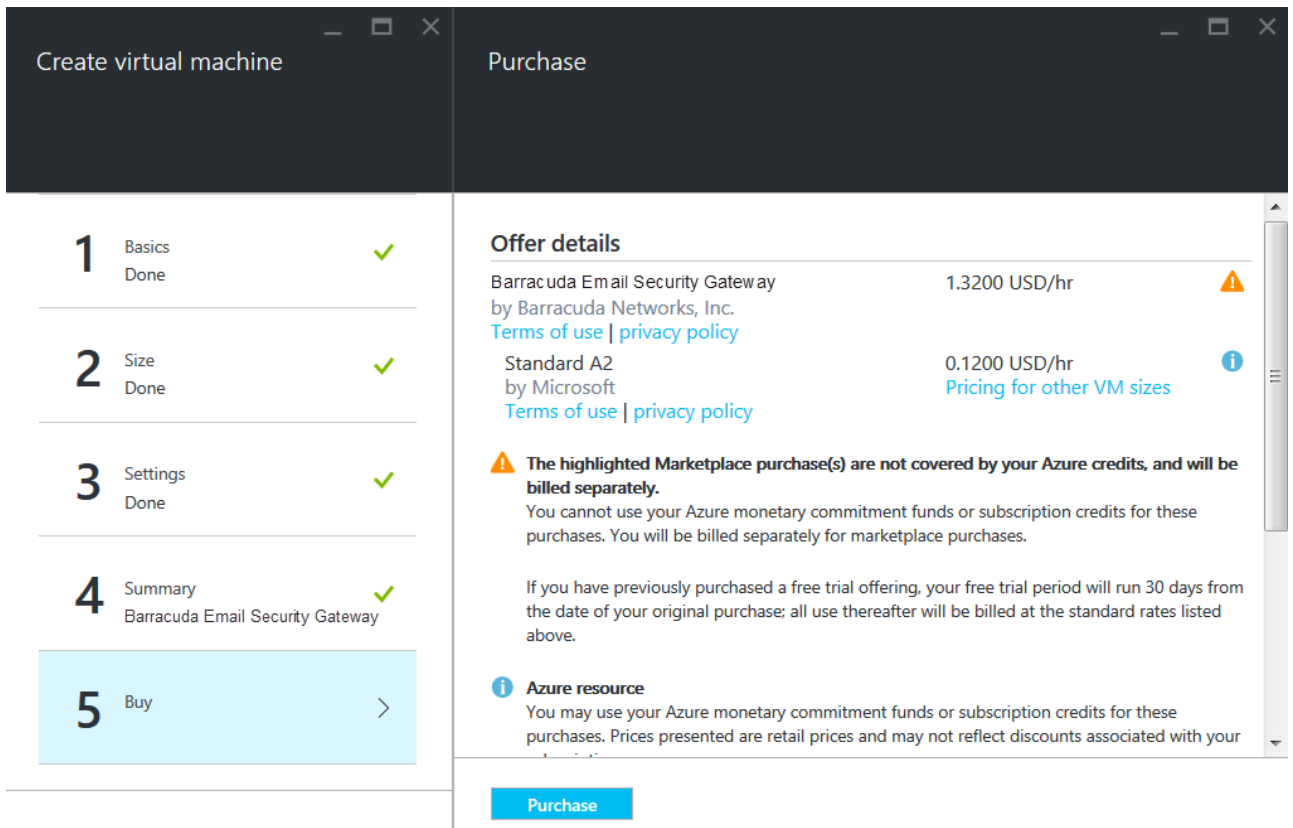
Subscription	[Redacted]
Resource group	(new) RG-ESG1
Location	East US

Settings

Computer name	BarracudaESG1
User name	azureuser
Size	Standard A2
Disk type	Standard
Storage account	(new) rgesg18781
Virtual network	(new) RG-ESG1
Subnet	(new) default (10.1.0.0/24)
Public IP address	(new) BarracudaESG1
Network security group	(new) BarracudaESG1
Availability set	None

OK

10. In the **5 Buy** page, read the legal terms and click **Purchase** to complete the deployment.



The screenshot shows the 'Create virtual machine' wizard in the Azure portal, specifically the 'Purchase' step. The left sidebar shows five steps: 1 Basics (Done), 2 Size (Done), 3 Settings (Done), 4 Summary (Barracuda Email Security Gateway), and 5 Buy. Step 5 is highlighted. The main area shows 'Offer details' for 'Barracuda Email Security Gateway by Barracuda Networks, Inc.' at 1.3200 USD/hr and 'Standard A2 by Microsoft' at 0.1200 USD/hr. There are links for 'Terms of use' and 'privacy policy' for both. A warning message states: 'The highlighted Marketplace purchase(s) are not covered by your Azure credits, and will be billed separately. You cannot use your Azure monetary commitment funds or subscription credits for these purchases. You will be billed separately for marketplace purchases.' Below this, a note says: 'If you have previously purchased a free trial offering, your free trial period will run 30 days from the date of your original purchase; all use thereafter will be billed at the standard rates listed above.' An 'Azure resource' note says: 'You may use your Azure monetary commitment funds or subscription credits for these purchases. Prices presented are retail prices and may not reflect discounts associated with your account.' A 'Purchase' button is at the bottom.

Step	Step Name	Status
1	Basics	Done
2	Size	Done
3	Settings	Done
4	Summary	Barracuda Email Security Gateway
5	Buy	

Purchase

Offer details

Barracuda Email Security Gateway by Barracuda Networks, Inc.	1.3200 USD/hr	⚠
Standard A2 by Microsoft	0.1200 USD/hr	i

[Terms of use](#) | [privacy policy](#)

[Terms of use](#) | [privacy policy](#)

⚠ The highlighted Marketplace purchase(s) are not covered by your Azure credits, and will be billed separately.
You cannot use your Azure monetary commitment funds or subscription credits for these purchases. You will be billed separately for marketplace purchases.

If you have previously purchased a free trial offering, your free trial period will run 30 days from the date of your original purchase; all use thereafter will be billed at the standard rates listed above.

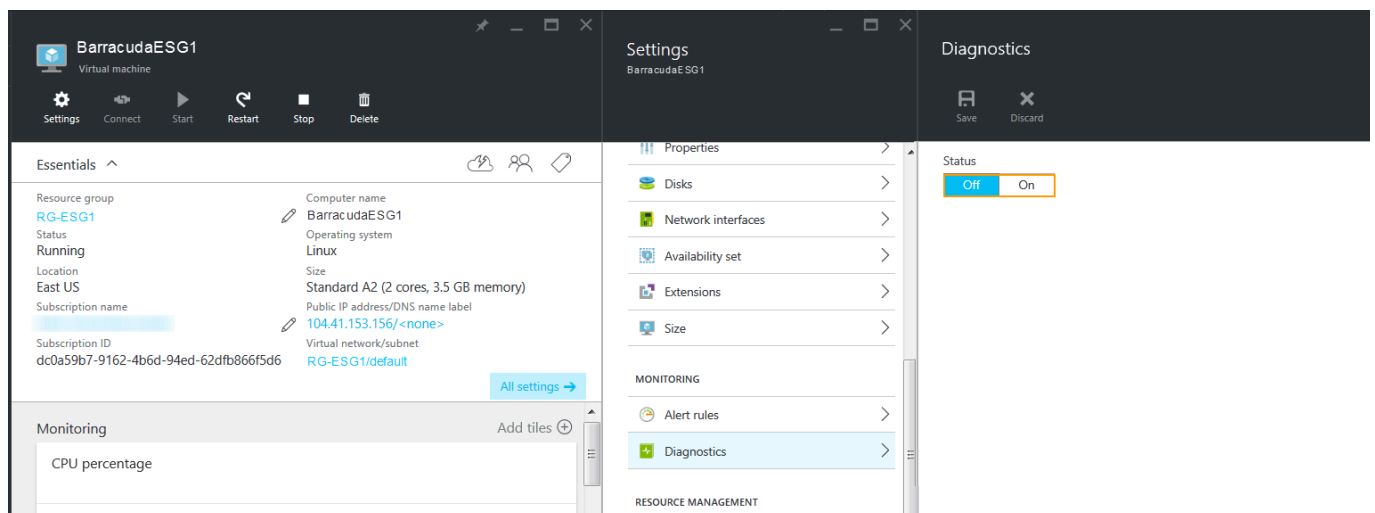
i Azure resource
You may use your Azure monetary commitment funds or subscription credits for these purchases. Prices presented are retail prices and may not reflect discounts associated with your account.

Purchase

After clicking **Purchase**, Microsoft Azure begins provisioning the Barracuda Email Security Gateway. You can check the status of the provisioned Barracuda Email Security Gateway from the [Microsoft Azure Portal](#). Allow a few minutes before taking any further actions in the Portal. During this time, the Microsoft Azure Linux Agent and Barracuda Email Security Gateway image boots up.

Make sure you do not restart the Barracuda Email Security Gateway while it is provisioning.

Monitoring is not supported by the Barracuda virtual machines/instances. Enabling **Monitoring Diagnostics** can cause the deployment to fail or timeout. It is recommended to contact [Barracuda Networks Technical Support](#) before enabling **Monitoring Diagnostics**.

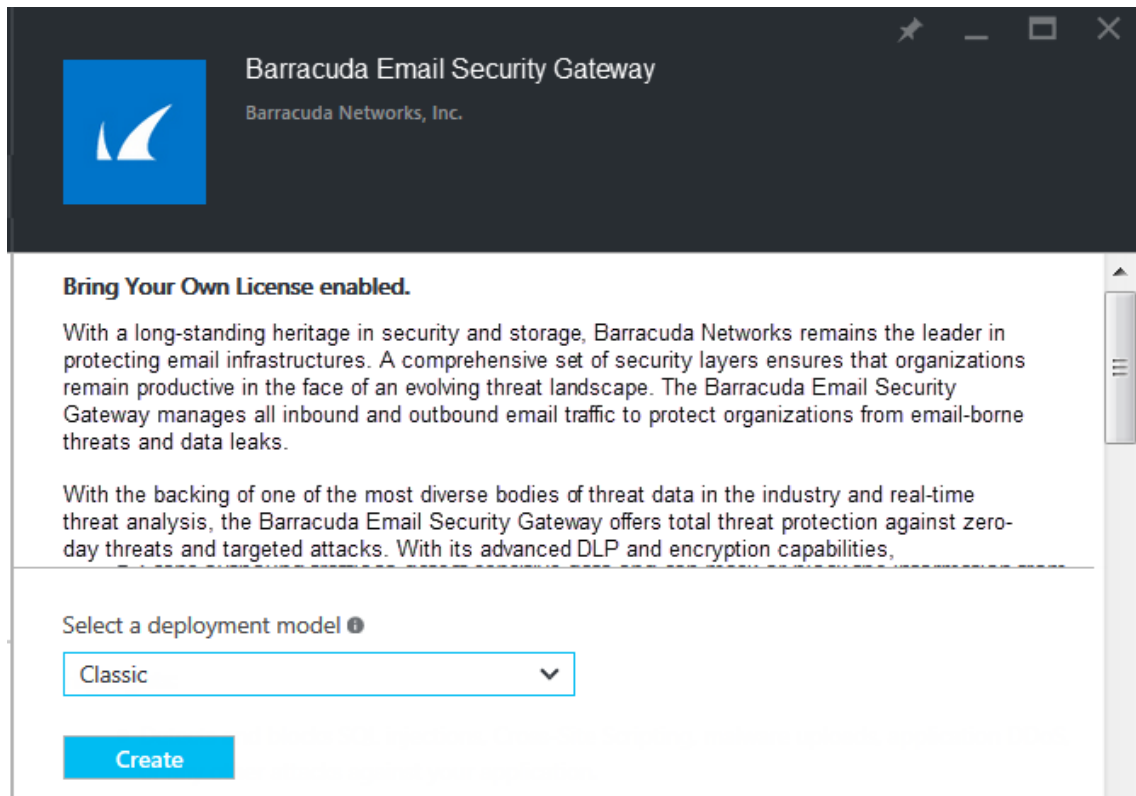


Deploying and Provisioning the Barracuda Email Security Gateway Using the Classic Model

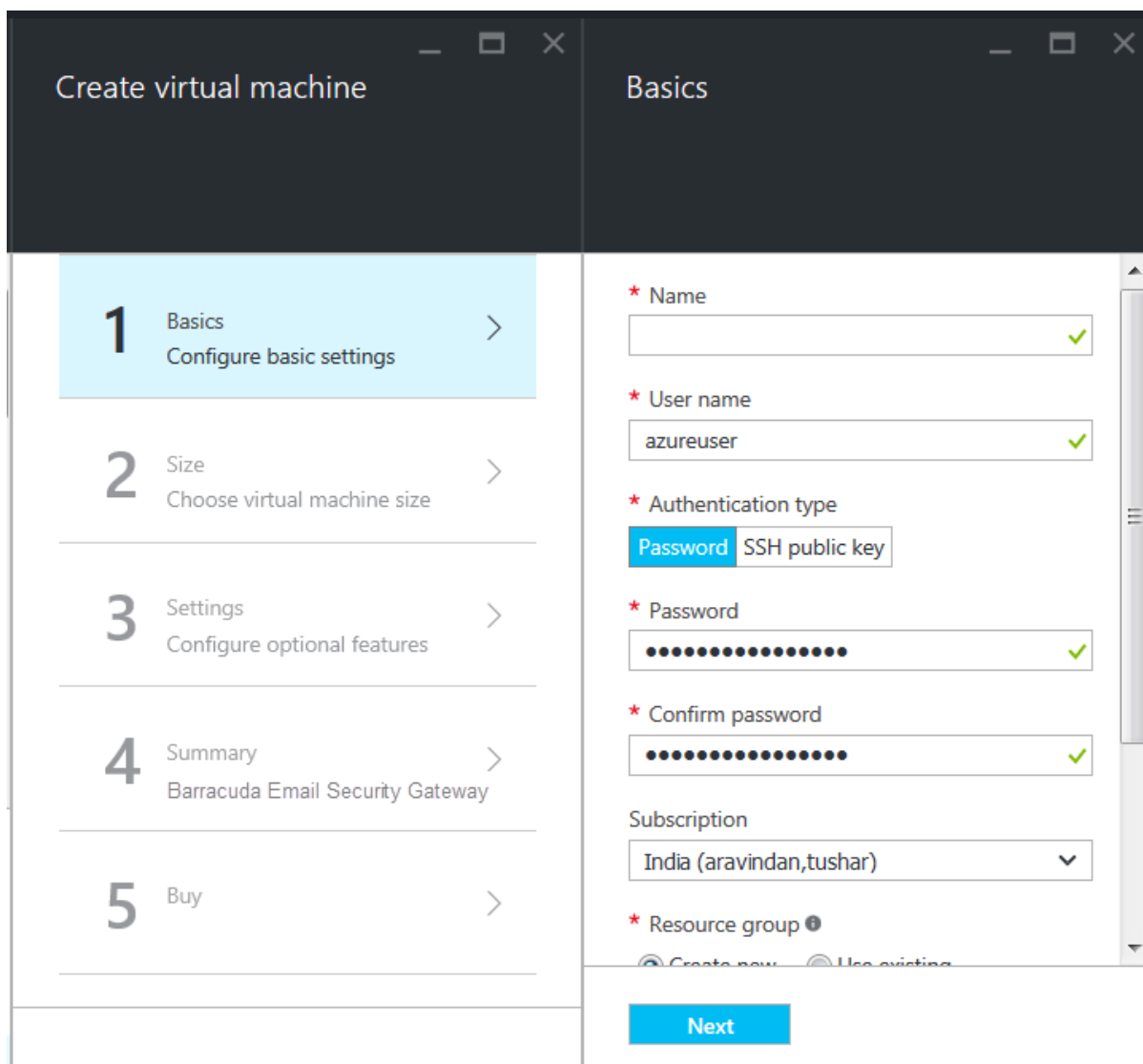
Perform the following steps to deploy and provision the Barracuda Email Security Gateway using the classic deployment model in the new Microsoft Azure portal:

1. Log into the [Microsoft Azure Management Portal](#).
2. Click **Marketplace** at the bottom of the screen.
3. In the **Everything** page, enter *Barracuda Email Security Gateway* in the text field.
In the search results, select Barracuda Email Security Gateway (**BYOL** or **PAYG** as per your requirement).
4. In the **Bring Your Own License enabled/Free Trial enabled** page:
 1. Read the product overview.
 2. Select **Classic** as a deployment model from the **Select a deployment model** drop-down

- list.
3. Click **Create**.



5. In the **Create virtual machine > 1 Basics** page:
 1. **Name:** Enter a name for the virtual machine.
 2. **User name:** Enter a username. **Note:** This entry is not used by the Barracuda Email Security Gateway.
 3. **Authentication type:** Choose **Password** and enter a password for the authentication. Note that this will be your password to access the Barracuda Email Security Gateway web interface.
 4. **Confirm password:** Re-enter the password to confirm.
 5. **Subscription:** Select the subscription from the drop-down list.
 6. **Resource group:** Create a new resource group or select a resource group from the existing **Resource group** list.
 7. **Location:** Select a location for the resource group.

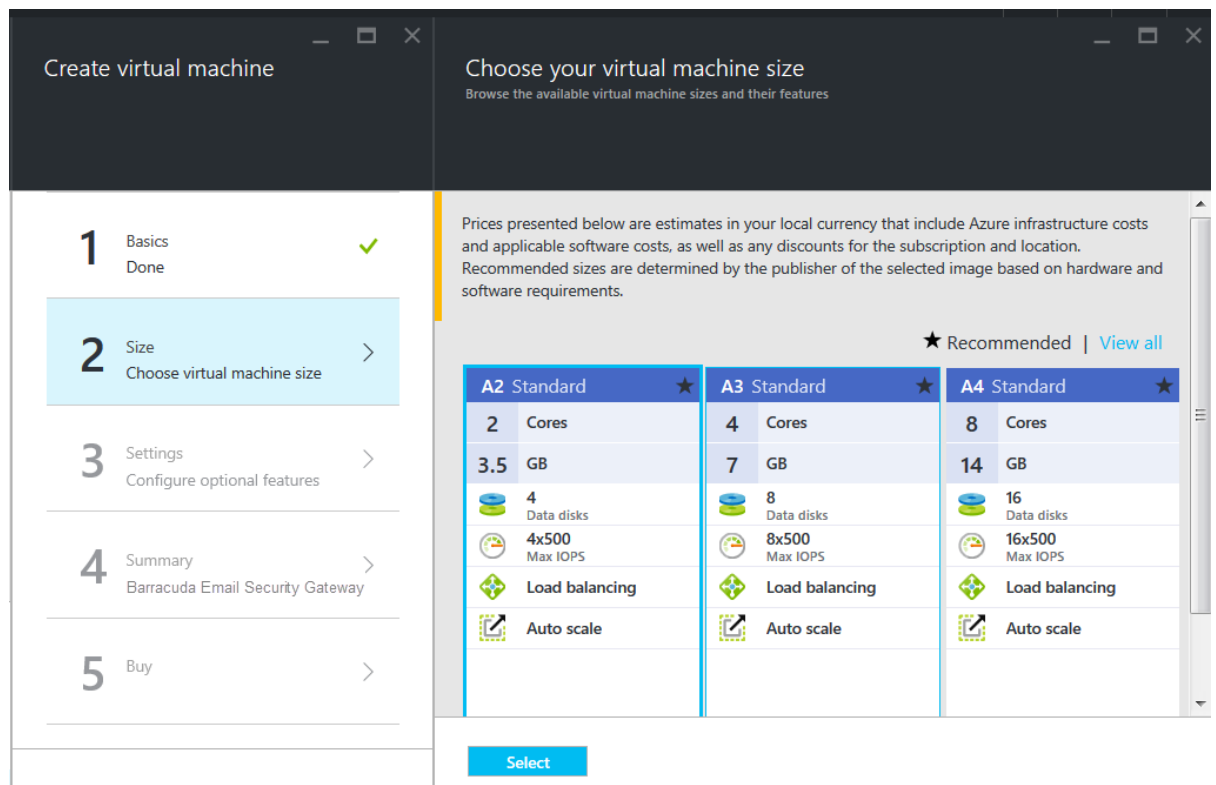


The screenshot shows the 'Create virtual machine' wizard in the Azure portal. The left sidebar contains five steps: 1 Basics (highlighted), 2 Size, 3 Settings, 4 Summary, and 5 Buy. The main area is titled 'Basics' and contains the following fields:

- * Name: [] ✓
- * User name: azureuser ✓
- * Authentication type: Password (selected), SSH public key
- * Password: [] ✓
- * Confirm password: [] ✓
- Subscription: India (aravindan,tushar) ▼
- * Resource group ⓘ: []

At the bottom, there are radio buttons for 'Create new' and 'Use existing', and a blue 'Next' button.

6. In the **Create virtual machine > 2 Size** page:
1. Select a size for the instance and click **Select**.



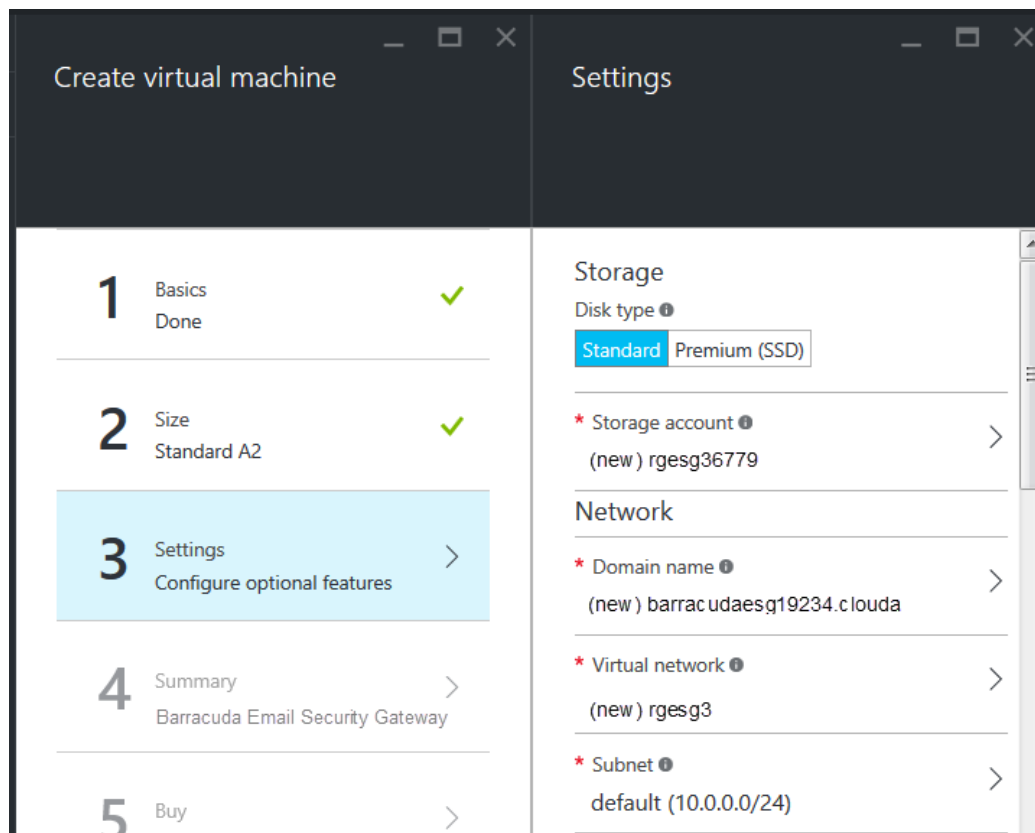
7. In the **Create virtual machine > 3 Settings** page:

8. **Storage**

1. **Data type:** Select **Standard/Premium (SSD)** as per your requirement.
2. **Storage account:** Create a new storage account or select a storage account from the existing Storage account list.

9. **Network**

1. **Domain name:** Enter the domain name for the Barracuda Email Security Gateway VM.
2. **Virtual network:** Configure or select the network in which you want to deploy the Barracuda Email Security Gateway.
3. **Subnet:** Configure or select the subnet in which you want to deploy the Barracuda Email Security Gateway.



4. **Private IP address:** Select **Dynamic/Static**.

1. **Dynamic** to auto assign the private IP address to the Barracuda Email Security Gateway.
2. **Static** to configure the static private IP address to the Barracuda Email Security Gateway.

5. **Virtual IP address:** Select **Assign a new reserved IP address/Dynamic IP address**.

The instance can be accessed from outside the virtual network using this virtual IP address. Ensure that at least one endpoint is configured.

1. **Assign a new reserved IP address:** Specify a name for the virtual IP address assigned by the Microsoft Azure.
2. **Dynamic IP address:** Select to auto assign the virtual IP address for the Barracuda Email Security Gateway.

6. **Endpoints:** Add the port 8000 (TCP), port 443 (TCP) and port 25 (TCP) as your endpoints.

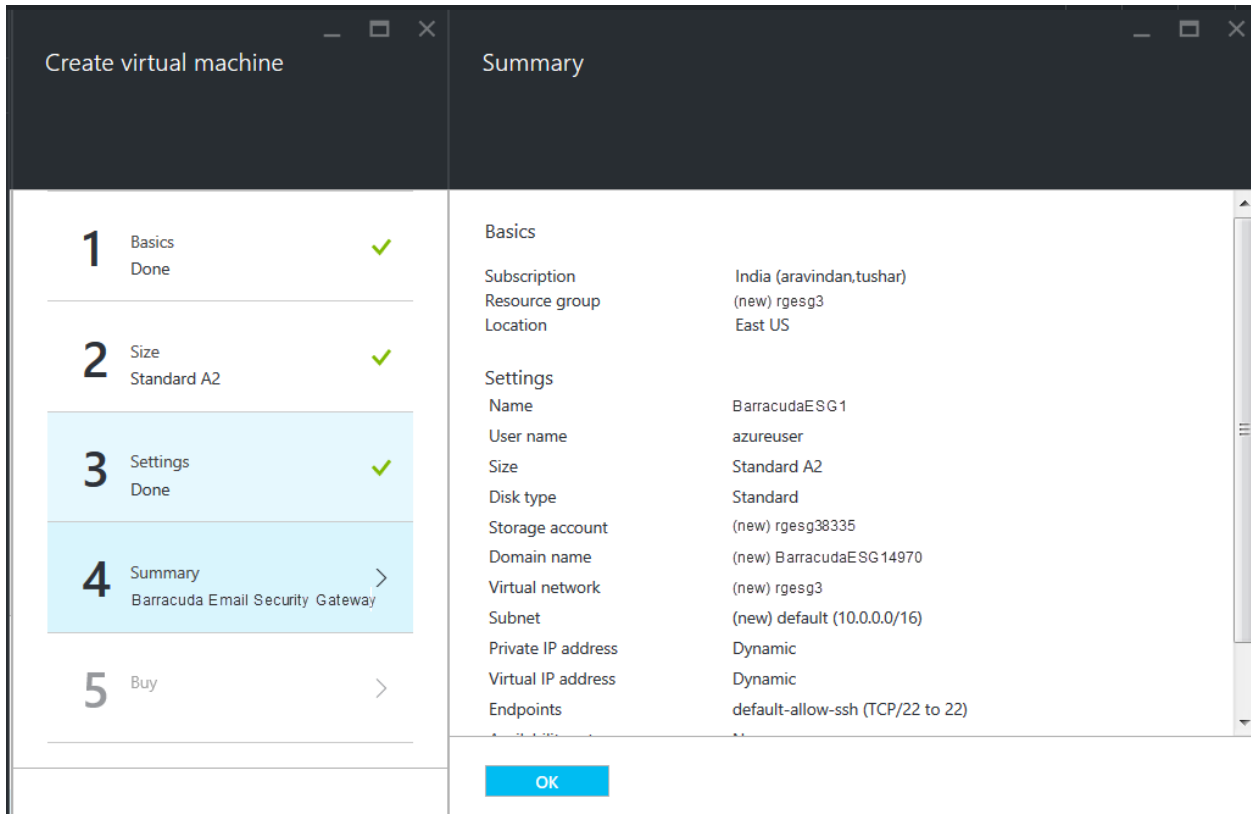
10. **Extensions**

1. **Extensions:** Do not add any extension, as the Barracuda Email Security Gateway does not support extensions.

11. **Availability**

1. **Availability set:** Create an availability set or select an availability set from the existing Availability set list. Note: If you intend to use this virtual machine in cluster, ensure all virtual machines in cluster is configured with same availability set.

12. In the **4 Summary** page, review the configuration settings and click **OK**.



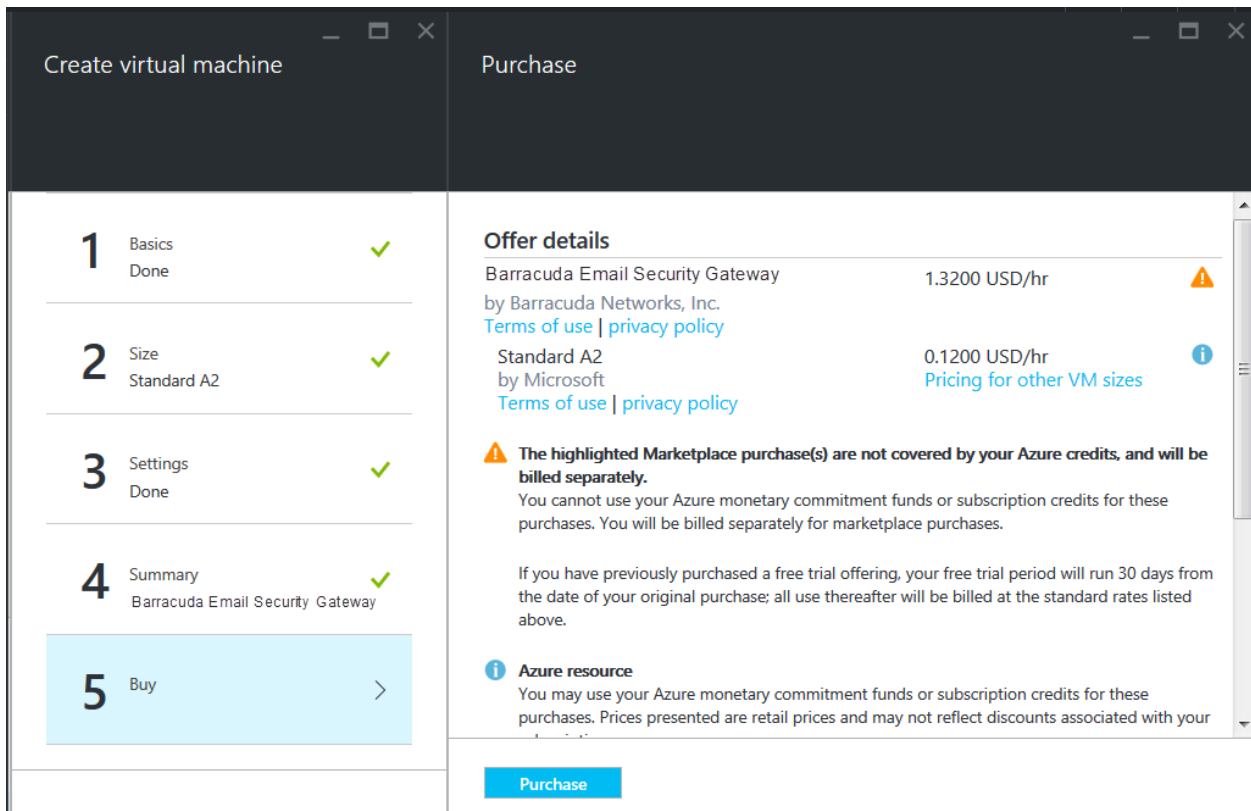
Create virtual machine	
1 Basics Done	✓
2 Size Standard A2	✓
3 Settings Done	✓
4 Summary Barracuda Email Security Gateway	>
5 Buy	>

Summary

Basics	
Subscription	India (aravindan,tushar)
Resource group	(new) rgesg3
Location	East US
Settings	
Name	BarracudaESG1
User name	azureuser
Size	Standard A2
Disk type	Standard
Storage account	(new) rgesg38335
Domain name	(new) BarracudaESG14970
Virtual network	(new) rgesg3
Subnet	(new) default (10.0.0.0/16)
Private IP address	Dynamic
Virtual IP address	Dynamic
Endpoints	default-allow-ssh (TCP/22 to 22)

OK

13. In the **5 Buy** page, read the legal terms and click **Purchase** to complete the deployment.



Create virtual machine	
1 Basics Done	✓
2 Size Standard A2	✓
3 Settings Done	✓
4 Summary Barracuda Email Security Gateway	✓
5 Buy	>

Purchase

Offer details	
Barracuda Email Security Gateway by Barracuda Networks, Inc. Terms of use privacy policy	1.3200 USD/hr ⚠
Standard A2 by Microsoft Terms of use privacy policy	0.1200 USD/hr ⓘ Pricing for other VM sizes
⚠ The highlighted Marketplace purchase(s) are not covered by your Azure credits, and will be billed separately. You cannot use your Azure monetary commitment funds or subscription credits for these purchases. You will be billed separately for marketplace purchases.	
If you have previously purchased a free trial offering, your free trial period will run 30 days from the date of your original purchase; all use thereafter will be billed at the standard rates listed above.	
 ⓘ Azure resource You may use your Azure monetary commitment funds or subscription credits for these purchases. Prices presented are retail prices and may not reflect discounts associated with your	

Purchase

After clicking **Create**, Microsoft Azure begins provisioning the Barracuda Email Security Gateway. You can check the status of the provisioned Barracuda Email Security Gateway from the [Microsoft Azure Portal](#). Allow a few minutes before taking any further actions in the Portal. During this time, the Microsoft Azure Linux Agent and Barracuda Email Security Gateway image boots up.

Make sure you do not restart the Barracuda Email Security Gateway while it is provisioning.

Monitoring is not supported by Barracuda virtual machines/instances. Enabling **Monitoring Diagnostics** can cause the deployment to fail or time out. Barracuda recommends contacting [Barracuda Networks Technical Support](#) before enabling **Monitoring Diagnostics**.

Next Step

Continue with the [Barracuda Email Security Gateway Quick Start Guide on Microsoft Azure](#) for licensing and initial configuration of your virtual machine

Figures

1. MarketPlaceEverything.png
2. ResourceManager.png
3. Basic_Settings.png
4. ChooseSize.png
5. Settings.png
6. Summary.png
7. Purchase.png
8. Monitoring.png
9. Classic Model.png
10. Classic Portal Basic Settings.png
11. Classic_Choose_VM_Size.png
12. Classic_Settings.png
13. Classic_Summary.png
14. Classic_Purchase.png

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