Deploying Actifio Global Manager in the Microsoft Azure Cloud



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Preface

The information presented in this guide is intended for users who are configuring Actifio Global Manager (AGM) for the Azure Cloud.

Once you have finished configuring Actifio Global Manager (AGM), consult the AGM online help. It provides detailed instructions on using AGM.

The ActifioNOW Customer Portal

Actifio customers can access to the entire Actifio documentation set as well as the portal's knowledge base.

To log into the ActifioNOW Customer Portal:

- 1. Go to: https://now.actifio.com
- 2. When prompted, enter the user name and password provided by your Actifio representative.
- 3. From the ActifioNOW customer portal you can access:
 - o Product Documentation View the user documentation for your Actifio products and releases.
 - o Knowledge Base Search across all of the available content for relevant articles.

Actifio Support and Service

Access these locations for help with your Actifio product suite:

Customer Support Phone	From anywhere: +1.315.261.7501
	US Toll Free: +1.855.392.6810
	Australia: 0011 80016165656
	Germany: 00 80016165656
	New Zealand: 00 80016165656
	UK: 0 8000155019
Customer Support Email	support@actifio.com
Customer Support Portal	http://support.actifio.com/

1 Introduction

Actifio Global Manager (AGM) provides centralized management capabilities in a virtual appliance. From one centralized AGM management system, you use the AGM browser-based UI to manage multiple Actifio CDS and Actifio Sky appliances and perform various day-to-day copy data operations.

Your Actifio solution may consist of different types of appliances interconnected and replicating data between each other.

- Actifio Sky: An Actifio Sky appliance is a virtual machine (VM). Actifio Sky appliances can be installed at your location or in a cloud vendor's cloud. Actifio Sky appliances are licensed by capacity and may be used with other Actifio appliances.
- Actifio CDX: A CDX appliance is a virtual machine (VM) tht can be installed at your location or in a cloud vendor's cloud. CDX can protect a Fibre Channel-presented volume using storage virtualization. Actifio CDX is the newer generation of high-availability hardware for Actifio virtual Data Pipeline (VDP technology).
- Actifio CDS: An Actifio CDS appliance is a hardware and software solution. An Actifio CDS appliance captures and
 manages data locally, and can replicate captured data to other Actifio CDS and Sky appliances. Actifio CDS
 appliances are installed and configured by your Actifio representative.
- Local and Remote Appliances: When two Actifio appliances are joined, local and remote is determined by the appliance you are logged in to. An exchange of certificates is required to join appliances.

We recommend that you read *Getting Started with Actifio Copy Data Management* to have a grasp of the basic concepts associated with an Actifio appliance. It is available on the ActifioNOW Customer portal.

With AGM you can manage up to 40 Actifio appliances. AGM communicates with each Actifio appliance by IP address or fully qualified domain name (FQDN) of the appliance. When you add an Actifio appliance to AGM, all SLA templates, organizations, users, and roles are imported into the AGM database and become AGM-level objects. You can then utilize these objects across all managed Actifio appliances.

2 Configuring the Actifio Global Manager VM

This section assumes that the reader has a valid Microsoft[®] Azure Cloud account, and is familiar with basic Azure Cloud processes and procedures. It has the following topics:

- AGM Requirements on page 3
- Web Browser Requirements on page 4
- Configuring the AGM VM on page 5
- Required Ports on page 12

AGM Requirements

During deployment, AGM will optionally come up with additional services of Catalog and Report Manager depending on the Azure size specified and disks configured.

For AGM with Catalog and RM:

• Use the size: **D16S_V3** (16 vCPU, 64 GB RAM)

Note: AGM with Catalog and RM requires 10 reserved virtual CPUs and 28 GB of memory.

- Four (4) separate virtual disks for storage:
 - o One 50 GB disk for the operating system and AGM repository
 - o One 250 GB disk for Report Manager data
 - o One 250 GB disk for the catalog index
 - o 400 GB disk to store backups of the catalog disk

Note: As a best practice, Actifio recommends that the AGM virtual disks do not share the same datastore as the production virtual machines.

For AGM with Catalog:

•

Use the size: D8S_V3 (8vCPU, 32GB RAM)

Note: AGM with Catalog requires 8 reserved virtual CPUs and 28 GB of memory.

- Three (3) separate virtual disks for storage:
 - o One 50 GB disk for the operating system and AGM repository
 - o One 250 GB disk for the catalog index
 - o One 400 GB disk to store backups of the catalog disk

As a best practice, Actifio recommends that the AGM virtual disks do not share the same datastore as the production virtual machines.

Note: Any RM requirements for an AGM deployment with Catalog and RM will be in addition to the requirements listed above.

For AGM with RM:

• Use the size: **D8S_V3** (8vCPU, 32GB RAM)

Note: The AGM instance requires 6 reserved virtual CPUs and 16 reserved GB of memory.

- Two (2) separate virtual disks for storage:
 - o One 50 GB disk for the operating system and AGM repository
 - o One 250 GB disk for Report Manager data

As a best practice, Actifio recommends that the AGM virtual disks do not share the same datastore as the production virtual machines.

Note: Any Catalog requirements for an AGM deployment with RM and Catalog will be in addition to the requirements listed above.

For AGM without Catalog or RM:

• Use the size: **D4S_V3** (4vCPU, 8GB RAM)

Note: The AGM instance requires 4 virtual CPUs and 8 GB of memory.

• One 50 GB disk for the AGM operating system and AGM repository.

Web Browser Requirements

The AGM UI supports the following minimum web browsers:

- Google Chrome version 74.0 and higher
- Microsoft Internet Explorer version 11.0 and higher
- Mozilla Firefox version 68 and higher

The recommended minimum display screen resolution is 1280 x 1024 to run the AGM UI in a web browser.

Configuring the AGM VM

To configure AGM VM from your Azure account, you must:

- Obtain the Actifio AGM image from your Actifio representative.
- Have an Azure storage account.
- Create a virtual machine that runs on either Linux or Windows.
- Create a new disk to store data on your virtual machine.
- Define network connectivity for your virtual machine by configuring network interface card (NIC) settings. You can create security group rules to control ports and inbound and outbound network connectivity.

Create Virtual Machine

- 1. Log into your Microsoft Azure portal.
- 2. Select **Image** from Azure services and the images page appears.

C' û □					
Microsoft Azure	${\cal P}$ Search resources, services, and docs (G	+/)			2
Azure servi	Vitual machines	CO rces App Services	Storage SQL databases accounts	The second secon	
Recent reso	irces				
Name		Type		Last Viewed	

3. Select and click the required AGM image from the available images. Use the filter to narrow the image search.

≡ Microsoft Azure	${\cal P}$ Search resources, services, and docs (G+/)
Home >	
Images ☆ Actifio	
$+$ Add $~$ Manage view $~$ $~$ Refresh $~$ $\pm Export to CSV ~ ~ Assign tags ~$	♡ Feedback
agm-10-0-1 Subscription == all Resource group == all X	Location == all \times ⁺ $_{\nabla}$ Add filter
Showing 1 to 1 of 1 records.	
□ Name ↑↓	Source \uparrow_{\downarrow} OS type \uparrow_{\downarrow}
🔲 👰 agm-10-0-1-4632-actifio	agm-10-0-1 Linux

The selected image page displays the detailed information.

4. Click Create VM.

■ Microsoft Azure	Q	Search resources, services, and doc	s (G+/)	Σ
Home > Images >				
Images « Actifio	emage agm-10-0-1-4632-ac	ctifio 🖉		
🕂 Add (Manage view 🗸 \cdots	✓ Search (Cmd+/) «	+ Create VM 🗎 Delete		
agm-10-0-1 Name ↑↓	 Overview Activity log 	NAME agm-10-0-1-4632-actifio		
👰 agm-10-0-1-4632-actifio …	 Access control (IAM) Tags 	SOURCE VIRTUAL MACHINE agm-10-0-1-4632-actifio		
	Settings	OS DISK		
	Locks Export template	OS type	Source blob URI	D
	· coport template			

The Create a Virtual machine page appears.

Basics Disks Networking	Management Advanced Tags Review + create		
Create a virtual machine that runs Lir mage.	ux or Windows. Select an image from Azure marketplace or use your own cu	stomized	
Complete the Basics tab then Review ustomization. .ooking for classic VMs? Create VM	 + create to provision a virtual machine with default parameters or review ea from Azure Marketplace 	ch tab for full	
ROJECT DETAILS			
select the subscription to manage de	aployed resources and costs. Use resource groups like folders to organize and	i manage all	
our resources.			
Subscription 🖲	Actifio Engineering (410)	~	
* Resource group 🕲	Engineering-East-1	~	
	Create new		
NSTANCE DETAILS	-		
Virtual machine name 🛛	A resource group is a container that holds related		
Region O	resources for an Azure solution.	~	
Availability options	* Name	~	
Image 🛛		~	
Size 👦	OK Cancel		
	I The value should not be empty.		
ADMINISTRATOR ACCOUNT			
Authentication type	Password SSH public key		

- 5. In the **Basics** tab, perform the following:
 - o In **Project details** section, select the existing resource group from the **Resource group** drop-down list or create a new resource group by using the **Create new** option.
 - o In Instance details section, enter the name for the virtual machine in the Virtual machine name field.

Create a virtual mac	hine	
Instance details		
Virtual machine name * 🕕	demo-guide	\checkmark
Region ①	(US) East US	\sim
Availability options (i)	No infrastructure redundancy required	\sim
Image * 🕕	agm-10-0-1-4632-actifio	\sim
	Browse all public and private images	

o Select the required CPU and RAM from the Size drop-down.

Azure Spot instance i	🔿 Yes 💿 No	
Size * 🛈	Standard_B4ms - 4 vcpus, 16 GiB memory (\$121.18/month) Select size	~)

o You can also chose the required CPU and RAM by clicking the **Select size** option. The **Select a VM size** page appears.

	Display cost : Monthly vCPUs : All	RAM (Gill) : All	Add filter				
*Most used sizes by Azure user	4						
howing 12 of 315 VM sizes.	Subscription: Actific Engineering (410) Re	gion: East US Current size:	Standard_84ms Imag	e: agm-10-0-1-4632-actific	Learn more about	VM sizes	
VM Size 14	Family 1.	vCPUs †	RAM (GiB) 🛧	Data disks 斗	Max IOPS 1+	Temp storage (GiB) 1+	Premium disk 🚓
DS1_v2 ~*	General purpose	1	3.5	4	3200	7	Supported
D2s_v3*	General purpose	2	8	4	3200	16	Supported
BZs 🗝	General purpose	2	4	4	1280	8	Supported
B1s*	General purpose	1		2	320	4	Supported
B2ms 🛹	General purpose	2	8	4	1920	16	Supported
B1ms 🛹	General purpose	1	2	2	640	4	Supported
811s 🛹	General purpose	1	0.5	2	160	4	Supported
DS2_v2 ~*	General purpose	2	7	8	6400	14	Supported
B4ms 🛹	General purpose	4	16	8	2880	32	Supported
D\$3_v2 ~*	General purpose	4	14	16	12800	28	Supported
D46,v3 🛹 💮	General purpose	4	16	8	6400	32	Supported
D8s_v3 A 🕥	General purpose	8	32	16	12800	64	Supported

Note: Select the appropriate VM size based on the AGM configuration. See the AGM Requirements section.

- o In Administrator account section, select the authentication type as SSH public key or Password.
- o if **SSH public key** type is selected, enter the **Username** and **Key pair name**, and select the appropriate key source option from the **SSH public key source** drop-down list.

Administrator account	
Authentication type 🕕	SSH public key Password
	Azure now automatically generates an SSH key pair for you and allows you to store it for future use. It is a fast, simple, and secure way to connect to your virtual machine.
Username * 🕕	AzureUser 🗸
SSH public key source	Generate new key pair
Key pair name *	demo-guide_key <

o If **Password** type is selected, provide a username and password.

Administrator account Authentication type ①	SSH public key Password	
Username * (i)	AzureUser	✓
Password * (i)		~
Confirm password * 🛈	•••••	~

o In Inbound Rules section, you may skip this by choosing the default selection of Inbound ports.

Note: You can change the inbound ports based on your firewalls rules.

Select which virtual machine network access on the Networking	ork ports are accessible from the public internet. You can specify more lim 1 tab.	ited or granular
* Public inbound ports 🕑	None Allow selected ports	
Select inbound parts	Select one or more ports	~
	All traffic from the internet will be blocked by default. You will be inbound port rules in the VM > Networking page.	e able to change

- 6. Leave the remaining defaults and then select the Next: Disks.
- 7. In the **Disks** tab, perform the following:
 - o Select the OS disk type as **Standard HDD** or **Standard SSD**.

	igement Adv	vanced Tags	Review + creat	te	
zure VMs have one operating system disk he size of the VM determines the type of	and a temporal storage you can	ry disk for short-1 use and the num	erm storage. You ber of data disks a	can attach additional data di allowed. Learn more	sks.
ISK OPTIONS					
OS disk type 🕖	Standard SSD				\sim
nable Ultra SSD compatibility (Preview) 🔒	Yes IN	lo astibility is not a	ailable for this VB4	rive and location	
	Ultra SSD comp	batibility is not av	allable for this VM	size and location.	
ATA DISKS					
ou can add and configure additional data	disks for your vi	irtual machine or	attach existing dis	ks. This VM also comes with	а
emporary disk.					
LUN NAME		SIZE (GIB)	DISK TYPE	HOST CACHING	
reate and attach a new disk Attach ar	n existing disk				
ireate and attach a new disk Attach ar	n existing disk				
reate and attach a new disk Attach ar	n existing disk				
reate and attach a new disk Attach ar	n existing disk				
reate and attach a new disk Attach ar	n existing disk				
ireate and attach a new disk Attach ar	n existing disk				
ireate and attach a new disk Attach ar	n existing disk				
ireate and attach a new disk Attach ar	n existing disk				
reate and attach a new disk Attach ar	n existing disk				

- o Leave the **Encryption type** to the default selection.
- o Select either Create and attach a new disk or Attach an existing disk.
- o Click Next: Networking. The Networking page appears.

Deline network connectivity for your virtual machine by configuring network interface card (NIC) settings. You can contra ororis, inbound and outbound connectivity with security group rules, or place behind an existing load balancing solution more NETWORK INTERFACE When creating a virtual machine, a network interface will be created for you. ' Virtual network: @ (revu) agn812-Demo-vnet Create new	ol . Learn
NETWORK INTERFACE When creating a virtual machine, a network interface will be created for you. ' Virtual network: (new) agm812-Demo-vnet Create new	
When creating a virtual machine, a network interface will be created for you. * Virtual network: Virtual network: Create new	
* Virtual network @ (new) agm312-Demo-vnet Create new	
Create new	~
* Subnet (new) default (10.0.3.0/24)	~
Public IP 💿 (new) agm812-Demo-ip	~
Create new	
	∨
Accelerated networking	vorking.
LOAD BALANCING	
You can place this virtual machine in the backend pool of an existing Azure load balancing solution. Learn more	
Place this virtual machine behind an Ves Ves No existing load balancing solution?	

- 8. In **Networking** tab, perform the following:
 - o Select a virtual network from the drop-down list or click Create new to create a new virtual network.
 - o Select a subnet from the drop-down menu.
 - o Select a public IP address from the drop-down menu if you want to use an existing public IP address, or select **Create new** if you want to create a new public IP address.
 - o Select None, Basic, or Advanced from the NIC network security group selections.

Note: If you want to create a new customized network security group, select the Advanced option and then click Create new from Configure Network Security group.

- o For Public Inbound Ports, select either None or Allow selected ports.
- o (Optional) Select inbound ports from the drop-down menu.
- o (Optional) Select either On or Off for Accelerated networking.
- o (Optional) Select **Yes** if you want to place your virtual machine behind an existing load balancing solution. Select **No** if you do not want to place your virtual machine behind an existing load balancing solution.
- o Click Next: Management >. The Management page appears.

Create a virtual machine							
Basics Disks	Networking	Management Advanced Tags Review + create					
Configure monitoring	g and managen	nent options for your VM.					
Azure Security Cen	ter						
Azure Security Cente Learn more	r provides unifi	ed security management and advanced threat protection across hybrid cloud workloads.					
Your subscriptic	n is protected I	by Azure Security Center basic plan.					
Monitoring							
Boot diagnostics o							
OS guest diagnostics	0	○ on ④ off					
 Diagnostics storage 	e account 🛛	(new) testrajudiag V					
Identity							
System assigned mar	naged identity (₿ _ On . ● Off					
Azure Active Direct	tory						
Auto-shutdown							
Enable auto-shutdow	m 0	⊖ on ⊛ off					
Review + creat	6	< Previous Next : Advanced >					

- 9. In **Management** tab, perform the following:
 - o Under **Monitoring**, either select an existing diagnostics storage account from the drop-down menu, or click **Create new** if you want to create a new diagnostics storage account.
 - o Click Next: Advanced. The Advanced page appears.

Basics Disks Networking Management Advanced Tags Review Add additional configuration, agents, scripts or applications via virtual machine exter Extensions Extensions Extensions provide post-deployment configuration and automation. Extensions @ Select an extension to install Cloud init Cloud init is a widely used approach to customize a Linux VM as it boots for the first	w + create nsions or cloud-init.
Add additional configuration, agents, scripts or applications via virtual machine exter Extensions Extensions @ Select an extension to install Cloud init Cloud init is a widely used approach to customize a Linux VM as it boots for the first	nsions or cloud-init.
Extensions Extensions provide post-deployment configuration and automation. Extensions Select an extension to install Cloud init Cloud init is a widely used approach to customize a Linux VM as it boots for the first extenses and with file outpressent and service.	
Extensions provide post-deployment configuration and automation. Extensions	
Extensions Select an extension to install Cloud init Cloud init is a widely used approach to customize a Linux VM as it boots for the first	
Cloud init Cloud init is a widely used approach to customize a Linux VM as it boots for the first	
Cloud init is a widely used approach to customize a Linux VM as it boots for the first	
packages and write files or to configure users and security. Learn more	time. You can use cloud-init to install
The selected image does not support cloud init.	
Host	
Optionally placing your virtual machine in a host Learn more	
Host group No host group found	~
Host No host found	~
VM generation	
Generation 2 VMs (preview) support features such as UEFI-based boot architecture, i Intel® Software Guard Extensions (SGX), and virtual persistent memory (vPMEM).	ncreased memory and OS disk size limits,
VM generation 👔 💿 Gen 1 🔵 Gen 2	
Generation 2 VMs (preview) do not yet support some Azure platform features. i	including VM backup, Azure Site

- 10. In Advanced tab, perform the following:
 - o (Optional) Under Host, select a host group and a host from the drop-down menus.tional
 - o (Optional) Under VM generation, select either Gen 1 or Gen 2.
 - o Click Next: Tags. The Tags page appears.

asies	Disks	Networking	Management	Advanced	Tags R	levies	w + create	
as are n multipl	ame/valu e resourc	e pairs that enal es and resource	ble you to categor groups. Learn mo	ize resources a pre about tags	and view cor	nsolid	lated billing by applyir	ig the same tag
te that	if you cre	ate tags and the	n change resource	e settings on o	ther tabs, w	our ta	os will be automatical	v updated
			,					/
NAME			VALUE				RESOURCE	
			¥ :			v	11 selected	~

- 11. In **Tags** tab, perform the following:
 - o (Optional) To create a tag that enables you to categorize resources to multiple resources and resource groups, select a name, value, and resource from the drop-down menus.
 - o Click Next: Review + create>. The following page appears.

Manue > Canadallan anno 9 0 7 309 3010	0001120245 0-++									
CreateVm-agm-8-0-7-358-20190801170745 - Overview										
Cooperat										
_p Search (Ctrl+/)	Delete Orancel	🟥 Redeploy 👌 Re	fresh							
le Overview	••• Your deple	ovment is unde	erway							
Inputs	Designment sum	. Constaller com 8.0.7	358.30100801170745	Start Same - 8/3/2010 5:14:57 DM						
Cutputs	Subscription:	: Createvin-agmio-o-7-	556-20190601170745	Correlation ID: 5bcba86c-5362-43d4	-b1f7-d2a6a69555a5					
Template	Resource group:									
	^ Deployment detail	 Deployment details (Download) 								
	RESOURCE	TYPE	STATUS	OPERATION DETAILS						
	No results.									
	✓ Next steps									

You will see the following page when the VM deployment is complete.

i	Delete 🛇 Cancel 🟥 Redeploy 🖸 Refresh							
0	Your deployment is complete							
{\$ }	Deployment name: CreateVm-agm-8-0-7-358-20190801170745 Subscription: Resource group:	Start time: 8/1/2019, 5:14:57 PM Correlation ID: 5bcba86c-5362-43d4-b1f7-d2a6a69555a5						
~	Deployment details (Download) Next steps							
	Go to resource							

12. Proceed to Required Ports on page 12.

Required Ports

After installing AGM in Microsoft Azure, you must ensure the proper ports are open on AGM, the Actifio Sky appliances it manages, and the hosts managed by the Actifio Sky appliance.

	Inbound Port Rules	Outbound Port Rules
AGM	ssh:26	adhd_tunnel:5103
	http:80	
	https443	
Actifio Sky	ssh:26	streamsnap_secure:5107
	http:80	
	https443	
	adhd_tunnel:5103	
	streamsnap_secure:5107	
Host	http:80	
	connector:5106	

Inbound and outbound ports are set from Microsoft Azure from the virtual machine's Networking page:

Microsoft Azure Vitual m	achines > agm803 - Networking		,P Sean	ch resources.	services and docs	×	₽ >_	\$ © () ashoks	amu@actifio.c. ACTIF	: 🌒
=	Virtual machines 💉 🗴	agm803 - Networking									* ×
+ New	🕇 Add 💵 Columns 🛛 🚥 More	, Search (Ctri+/)		Attach netwo	ork interface 🔹 Detach netv	ork interface					
Dashboard	AGM	Overview 4		Network In	iterface: agm803229	Effective securi	ty rules To	pology 🛛			
Resource groups	1 items	Activity log	v	(irtual network/s	ubnet: agm803-vnet/default	Public IP: 52.1	70.234.97	rivate IP: 172.16.	54		
All resources	Ann 803	🚵 Access control (IAM)		NBOUND PORT	TRULES O						_
Recent	The second secon	🛷 Tags		Network see	curity group agm803-nsg (onets, 1 network interfaces	attached to net	work interface:	agm803229)	Add	l inbound port n	ule)
App Services		X Diagnose and solve problems		PRIORITY	NAME	PORT	PROTOCOL	SOURCE	DESTINATION	ACTION	
Virtual machines (classic)		CETTRAGE		100	Port_26	26	Any	Any	Any	O Allow	
Virtual machines		🔔 Networking		110	HTTP	80	TCP	Any	Any	O Allow	
SQL databases		😕 Disks		111	HTTPS	443	TCP	Any	Any	O Allow	
Cloud services (classic)		Size		65000	AllowVnetInBound	Any	Any	VirtualNetwo	VirtualNetwo	Allow	•••
Subscriptions		E Extensions		65001	AllowAzureLoadBalancerin	Any	Any	AzureLoadBa	Any	 Allow 	
Azure Active Directory		Availability set		65500	DenyAllnBound	Any	Any	Any	Any	O Deny	
Monitor		Configuration	١.								
Security Center				Network se	curity group agm803-nsg (attached to net	work interface:	agm803229)	AM	outbound port n	vir
O Cost Management + Billing		Automation script		Impacts 0 sub	onets, 1 network interfaces						
🔒 Help + support				PRIORITY	NAME	PORT	PROTOCOL	SOURCE	DESTINATION	ACTION	
🔷 Advisor		OPERATIONS		100	Port_5103	5103	Any	Any	Any	 Allow 	•••
More services >		A lackup		65000	AllowVnetOutBound	Any	Any	VirtualNetwo	VirtualNetwo	O Allow	•••
		Disaster recovery (Preview)		65001	AllowInternetOutBound	Any	Any	Any	Internet	O Allow	
		Update management (Previe		65300	DenyAllOutBound	Any	Any	Any	Any	O Deny	
			1								

Inbound and Outbound Ports

Once you have set the ports, you are ready to use AGM. See Accessing Actifio Global Manager on page 13 for details.

3 Accessing Actifio Global Manager

When the Microsoft Azure instance is ready, you can enter the instance's Public IP in a browser and log in to the Actifio Global Manager.

Accessing AGM

After the AGM is configured and powered up, you can launch AGM in a web browser:

Note: For the following procedure you will need the IP address of the AGM VM. You can find this IP address on the AGM VM's Summary tab.

- 1. Obtain the AGM VM's Public IP, from Microsoft Azure, select the AGM VM from the list of available VMs.
- 2. Click **Overview** and the Public IP will be displayed under **Essentials**:

М	icrosoft Azure Virtual mach	nines > Azuretest			م	₽≻_ 🕸 🙂 Ø
=		Azuretest Virtual machine				
+	New		Start 🕨 Start	🗣 Restart 🛛 🔳 Stop	→ Move 📋 Delete	🖸 Refresh
	Dashboard	Overview	Resource group (change) ActifioSky1205 Status		Con Azu Ope	aputer name retest rating system
	Resource groups	Activity log	Running		Win	dows
	All resources	Access control (IAM)	East US Subscription (change)		Star Star Pub	idard D1 (1 vcpu, 3.5 GB memory) ilic IP address
•	Recent	🛷 Tags	Pay-As-You-Go Subscription ID		52.1 Vite	70.81.92
8	App Services	X Diagnose and solve problems	bea09913-d6a4-497f-90c3-9	7ea815b1720	Acti DN:	fioSky12051800/default
	Virtual machines (class	SETTINGS			Con A	ligure
Ņ	Virtual machines	Networking	Show data for last: 1 hour	6 hours 12 hours 1	day 7 days 30 days	
8	SQL databases	😇 Disks				
40	Cloud services (dassic)	💻 Size	CPU (average)	2.*	Network (tota	° ∠ ★
Ŷ	Subscriptions	Extensions			800k8	
	Anira Activa Directory	Availability set			600k8	
	Autor Concernation	Configuration			2004.8	
•	Monitor	Properties	0%		048	
мо	re services >		1.45 PM 2 PM	2:15 PM 2:30 PM	1.45 PM	2 PM 2:15 PM 2:30 PM

Actifio Global Manager Public IP

3. Open a browser and in the address space, enter the Public IP address of the AGM VM and the AGM login screen is displayed:



Actifio Global Manager Login Screen

4. From the AGM Login window, enter the default username: admin, and the password: password. Actifio recommends changing the admin password after you log in to AGM.

If you are using a Microsoft Internet Explorer browser to log in to AGM and the Username and Password fields are disabled in the Login window, access the Compatibility View Settings dialog box (select **Tools > Compatibility View** settings) and ensure that the **Display intranet site in Compatibility View** check box is checked.

The AGM application opens and prompts you to change your password as part of security enhancement.



- 5. Enter a new password of at least six (6) characters, it can be the same as your old password as well.
- 6. Click **Save** to save then new password. You are taken back to the login screen.
- 7. Enter your user name and new password.
- 8. Click Login.

The AGM application opens and shows the EULA.

9. Read the license agreement in its entirety, and click Agree.

You are prompted to add an appliance.



- 10. Click **OK** to open the Add Appliance page. Add the first appliance and subsequently add more appliances following guidelines Adding Actifio Appliances in AGM.
- 11. Click the ? in the upper right corner of the AGM browser to launch the AGM Online Help system. You can read up about the Dashboard, Domain Manager, SLA Architect, Application Manager, Catalog, System Monitor, and Upgrade services in the Help.
- 12. To logout of AGM or to change users, click the active user listed at the top of AGM and select Logout.

Adding Actifio Appliances in AGM

Actifio appliances must be added to AGM before they can be managed. Appliances are added through AGM's Domain Manager service. Adding each Actifio appliance imports into AGM its hosts, applications, organizations, users, and roles.

The first Actifio appliance that you plan to import into AGM should contain policy and security objects (Templates, Organizations, Roles, and Users) with names and configurations that are most representative of the typical operating environment of your organization. The first Actifio appliance that you add into AGM serves as the baseline appliance used by AGM as the standard for comparison with all subsequent imported Actifio appliances for object consolidation.

For a set of recommended best practices that you should follow prior to adding your Actifio appliances into AGM, see the Adding Appliances to an AGM topic in the AGM Online Help.