

Executive Summary

Failed Tests

Passed Tests

EXECUTIVE SUMMARY

ests Perforr	med P	assed		Failed				
951	5	50.89% (48	84)	49.11%	467)			
AILED TES	STS BY SEV	ERITY						
Critical	H	ligh		Medium	L	WO	Info	rmational
C		40		317	1	0	10	
SUMMARY	OF RULES	TESTED						
Rules Perfori		assed		Failed				
332		58.73% (19			137)			
Entities by	type, Pass V	s Fail						
Entity Type			Passed			Faile	d	
VirtualMacl	hine (5)		0			5		
SQLServer ((0)		0			0		
RedisCache	(0)		0			0		
KeyVault (0)		0			0		
AksCluster	(2)		0			2		
PolicyAssig	nment (1)		1			0		
PostgreSQL	. (0)		0			0		
NetworkSe	curityGroup	(1)	0			1		
StorageAcc	ount (4)		0			4		
SQLDB (0)			0			0		
List <logpro< td=""><td></td><td></td><td>0</td><td></td><td></td><td>1</td><td></td><td></td></logpro<>			0			1		
	rkWatcher>	(1)	1			0		
ContainerR			0			1		
ResourceGr	-		0			10		
CosmosDbA			0			0		
LogProfile (0			0		
	Gateway (0)		0			0		
VNet (4)			1			3		
Regions								
Name	Dassad Too	ts Failed Tests	Failed Entities	Failed Critical	Failed I	Faile High Medi		Failed Information
East US	816	135	9	0	70	64	1 railed L	0
		155	7	U	70	04	I	U
Failed Tests	summary							Non
								NULL

https://secure.dome9.com/v2/rule-engine-print

Rule Name	Severity	Tested	Relevant	Non Complia
Ensure default network access rule for Storage Accounts is set to deny	High	4	4	4
Ensure that a network policy is in place to secure traffic between pods	High	2	2	2
VirtualMachine with unencrypted LDAP (UDP:389) is exposed to the public internet	High	5	2	2
VirtualMachine with unencrypted Memcached (UDP:11211) is exposed to the public internet	High	5	2	2
VirtualMachine with service Memcached SSL (TCP:11214) is exposed to the entire internet	High	5	2	2
VirtualMachine with administrative service: Remote Desktop (TCP:3389) is too exposed to the public internet	High	5	2	2
VirtualMachine with service NetBIOS Name Service (UDP:137) is exposed to the entire internet	High	5	2	2
VirtualMachine with unencrypted Redis (TCP:6379) is exposed to the public internet	High	5	2	2
VirtualMachine with administrative service: CiscoSecure,websm (TCP:9090) is too exposed to the public internet	High	5	2	2
/irtualMachine with unencrypted Elastic search TCP:9200) is exposed to the public internet	High	5	2	2
/irtualMachine with service SNMP (UDP:161) is exposed o the entire internet	High	5	2	2
/irtualMachine with service Prevalent known internal oort (TCP:3000) is exposed to the entire internet	High	5	2	2
/irtualMachine with service MySQL (TCP:3306) is exposed to the entire internet	High	5	2	2
/irtualMachine with service SaltStack Master (TCP:4505) s exposed to the entire internet	High	5	2	2
/irtualMachine with service Memcached SSL (UDP:11214) s exposed to the entire internet	High	5	2	2
/irtualMachine with unencrypted Oracle DB (TCP:1521) is exposed to the public internet	High	5	2	2
/irtualMachine with administrative service: SSH (TCP:22) s too exposed to the public internet	High	5	2	2
/irtualMachine with unencrypted Cassandra Internode Communication (TCP:7000) is exposed to the public nternet	High	5	2	2
/irtualMachine with unencrypted Oracle DB (UDP:2483) is exposed to the public internet	High	5	2	2
/irtualMachine with unencrypted Mongo (TCP:27017) is exposed to the public internet	High	5	2	2
/irtualMachine with service VNC Listener (TCP:5500) is exposed to the entire internet	High	5	2	2
/irtualMachine with service MSSQL Debugger (TCP:135) is exposed to the entire internet	High	5	2	2
/irtualMachine with service Telnet (TCP:23) is exposed to he entire internet	High	5	2	2
/irtualMachine with service NetBios Session Service TCP:139) is exposed to the entire internet	High	5	2	2
/irtualMachine with unencrypted Oracle DB (TCP:2483) is exposed to the public internet	High	5	2	2
/irtualMachine with service Known internal web port TCP:8000) is exposed to the entire internet	High	5	2	2

Rule Name	Severity	Tested	Relevant	Non Compliar
nsure that you are using authorized IP address ranges in order to secure access to the API server	High	2	2	2
/irtualMachine with service NetBios Datagram Service UDP:138) is exposed to the entire internet	High	5	2	2
/irtualMachine with service Oracle DB SSL (TCP:2484) is exposed to the entire internet	High	5	2	2
/irtualMachine with service Mongo Web Portal TCP:27018) is exposed to the entire internet	High	5	2	2
/irtualMachine with service Postgres SQL (UDP:5432) is xposed to the entire internet	High	5	2	2
/irtualMachine with service CIFS / SMB (TCP:3020) is exposed to the entire internet	High	5	2	2
/irtualMachine with service Cassandra OpsCenter agent TCP:61621) is exposed to the entire internet	High	5	2	2
/irtualMachine with service VNC Server (TCP:5900) is exposed to the entire internet	High	5	2	2
/irtualMachine with service POP3 (TCP:110) is exposed to he entire internet	High	5	2	2
/irtualMachine with unencrypted Elastic search TCP:9300) is exposed to the public internet	High	5	2	2
/irtualMachine with unencrypted Cassandra Thrift TCP:9160) is exposed to the public internet	High	5	2	2
/irtualMachine with service SQL Server Analysis Services TCP:2383) is exposed to the entire internet	High	5	2	2
/irtualMachine with service LDAP SSL (TCP:636) is exposed to the entire internet	High	5	2	2
/irtualMachine with service Cassandra (TCP:7001) is exposed to the entire internet	High	5	2	2
/irtualMachine with unencrypted Cassandra Monitoring TCP:7199) is exposed to the public internet	High	5	2	2
/irtualMachine with service Hadoop Name Node TCP:9000) is exposed to the entire internet	High	5	2	2
/irtualMachine with service MSSQL Admin (TCP:1434) is exposed to the entire internet	High	5	2	2
nsure that the pod security policy is enabled in your AKS luster	High	2	2	2
/irtualMachine with service SQL Server Analysis Service prowser (TCP:2382) is exposed to the entire internet	High	5	2	2
/irtualMachine with service Puppet Master (TCP:8140) is exposed to the entire internet	High	5	2	2
nsure that at least one Network Security Group is Ittached to all VMs and subnets that are public	High	5	2	2
/irtualMachine with unencrypted LDAP (TCP:389) is exposed to the public internet	High	5	2	2
/irtualMachine with service Known internal web port TCP:8080) is exposed to the entire internet	High	5	2	2
/irtualMachine with service NetBIOS Name Service TCP:137) is exposed to the entire internet	High	5	2	2
/irtualMachine with service SMTP (TCP:25) is exposed to he entire internet	High	5	2	2
/irtualMachine with service DNS (UDP:53) is exposed to he entire internet	High	5	2	2
/irtualMachine with service MSSQL Server (TCP:1433) is	High	5	2	2

Rule Name	Severity	Tested	Relevant	Non Compliant
/irtualMachine with service SaltStack Master (TCP:4506) s exposed to the entire internet	High	5	2	2
/irtualMachine with unencrypted Cassandra OpsCenter Website (TCP:8888) is exposed to the public internet	High	5	2	2
/irtualMachine with service Memcached SSL (UDP:11215) s exposed to the entire internet	High	5	2	2
/irtualMachine with service Microsoft-DS (TCP:445) is exposed to the entire internet	High	5	2	2
Ensure that 'Secure transfer required' is enabled for Storage Accounts	High	4	4	2
/irtualMachine with service MSSQL Browser Service (UDP:1434) is exposed to the entire internet	High	5	2	2
/irtualMachine with service Memcached SSL (TCP:11215) s exposed to the entire internet	High	5	2	2
/irtualMachine with service Postgres SQL (TCP:5432) is exposed to the entire internet	High	5	2	2
/irtualMachine with unencrypted Cassandra OpsCenter Monitoring (TCP:61620) is exposed to the public internet	High	5	2	2
/irtualMachine with service NetBios Datagram Service TCP:138) is exposed to the entire internet	High	5	2	2
/irtualMachine with unencrypted Cassandra Client TCP:9042) is exposed to the public internet	High	5	2	2
/irtualMachine with service NetBios Session Service (UDP:139) is exposed to the entire internet	High	5	2	2
VirtualMachine with unencrypted Memcached TCP:11211) is exposed to the public internet	High	5	2	2
VirtualMachine with service Oracle DB SSL (UDP:2484) is exposed to the entire internet	High	5	2	2
Ensure that inbound traffic is restricted to only that which is necessary, and all other traffic denied	High	1	1	1
Ensure that SSH access is restricted from the internet	High	1	1	1
Ensure Container Registry has locks	High	1	1	1
Ensure that a Log Profile exists	High	1	1	1
/irtualMachine with unencrypted Cassandra Client TCP:9042) is exposed to a large network scope	Medium	5	5	5
VirtualMachine with service NetBios Datagram Service TCP:138) is exposed to a wide network scope	Medium	5	5	5
VirtualMachine with unencrypted Cassandra Internode Communication (TCP:7000) is exposed to a large network scope	Medium	5	5	5
/irtualMachine with service Memcached SSL (UDP:11214) s exposed to a wide network scope	Medium	5	5	5
/irtualMachine with service SNMP (UDP:161) is exposed to a wide network scope	Medium	5	5	5
/irtualMachine with service NetBios Session Service TCP:139) is exposed to a wide network scope	Medium	5	5	5
/irtualMachine with service Known internal web port TCP:8000) is exposed to a wide network scope	Medium	5	5	5
/irtualMachine with service NetBIOS Name Service TCP:137) is exposed to a wide network scope	Medium	5	5	5
/irtualMachine with service VNC Listener (TCP:5500) is	Medium	5	5	5

Rule Name	Severity	Tested	Relevant	Non Complian
VirtualMachine with service Cassandra (TCP:7001) is exposed to a wide network scope	Medium	5	5	5
VirtualMachine with unencrypted LDAP (TCP:389) is exposed to a large network scope	Medium	5	5	5
VirtualMachine with service NetBIOS Name Service (UDP:137) is exposed to a wide network scope	Medium	5	5	5
VirtualMachine with service SQL Server Analysis Service browser (TCP:2382) is exposed to a wide network scope	Medium	5	5	5
VirtualMachine with unencrypted Oracle DB (UDP:2483) is exposed to a large network scope	Medium	5	5	5
VirtualMachine with unencrypted Mongo (TCP:27017) is exposed to a large network scope	Medium	5	5	5
VirtualMachine with unencrypted Cassandra Monitoring (TCP:7199) is exposed to a large network scope	Medium	5	5	5
VirtualMachine with service MSSQL Server (TCP:1433) is exposed to a wide network scope	Medium	5	5	5
VirtualMachine with unencrypted LDAP (UDP:389) is exposed to a large network scope	Medium	5	5	5
VirtualMachine with service NetBios Datagram Service (UDP:138) is exposed to a wide network scope	Medium	5	5	5
VirtualMachine with unencrypted Cassandra OpsCenter Monitoring (TCP:61620) is exposed to a large network scope	Medium	5	5	5
VirtualMachine with service Puppet Master (TCP:8140) is exposed to a wide network scope	Medium	5	5	5
VirtualMachine with service Microsoft-DS (TCP:445) is exposed to a wide network scope	Medium	5	5	5
VirtualMachine with service Postgres SQL (UDP:5432) is exposed to a wide network scope	Medium	5	5	5
VirtualMachine with unencrypted Oracle DB (TCP:1521) is exposed to a large network scope	Medium	5	5	5
VirtualMachine with service MSSQL Browser Service (UDP:1434) is exposed to a wide network scope	Medium	5	5	5
VirtualMachine with service Memcached SSL (UDP:11215) is exposed to a wide network scope	Medium	5	5	5
VirtualMachine with service Postgres SQL (TCP:5432) is exposed to a wide network scope	Medium	5	5	5
VirtualMachine with service SMTP (TCP:25) is exposed to a wide network scope	Medium	5	5	5
VirtualMachine with service Memcached SSL (TCP:11215) is exposed to a wide network scope	Medium	5	5	5
VirtualMachine with service POP3 (TCP:110) is exposed to a wide network scope	Medium	5	5	5
VirtualMachine with service Memcached SSL (TCP:11214) is exposed to a wide network scope	Medium	5	5	5
VirtualMachine with unencrypted Elastic search (TCP:9200) is exposed to a large network scope	Medium	5	5	5
VirtualMachine with service SaltStack Master (TCP:4506) is exposed to a wide network scope	Medium	5	5	5
VirtualMachine with unencrypted Memcached (TCP:11211) is exposed to a large network scope	Medium	5	5	5
/irtualMachine with administrative service: SSH (TCP:22) s exposed to a wide network scope	Medium	5	5	5
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Rule Name	Severity	Tested	Relevant	Non Complia
/irtualMachine with service NetBios Session Service UDP:139) is exposed to a wide network scope	Medium	5	5	5
/irtualMachine with service VNC Server (TCP:5900) is exposed to a wide network scope	Medium	5	5	5
/irtualMachine with administrative service: CiscoSecure,websm (TCP:9090) is exposed to a wide network scope	Medium	5	5	5
/irtualMachine with unencrypted Elastic search TCP:9300) is exposed to a large network scope	Medium	5	5	5
/irtualMachine with service MySQL (TCP:3306) is exposed o a wide network scope	Medium	5	5	5
/irtualMachine with service LDAP SSL (TCP:636) is exposed to a wide network scope	Medium	5	5	5
/irtualMachine with service Mongo Web Portal TCP:27018) is exposed to a wide network scope	Medium	5	5	5
/irtualMachine with administrative service: Remote Desktop (TCP:3389) is exposed to a wide network scope	Medium	5	5	5
/irtualMachine with service Telnet (TCP:23) is exposed to a wide network scope	Medium	5	5	5
/irtualMachine with unencrypted Cassandra Thrift TCP:9160) is exposed to a large network scope	Medium	5	5	5
/irtualMachine with unencrypted Oracle DB (TCP:2483) is exposed to a large network scope	Medium	5	5	5
/irtualMachine with service CIFS / SMB (TCP:3020) is exposed to a wide network scope	Medium	5	5	5
/irtualMachine with service SaltStack Master (TCP:4505) s exposed to a wide network scope	Medium	5	5	5
/irtualMachine with service Hadoop Name Node TCP:9000) is exposed to a wide network scope	Medium	5	5	5
/irtualMachine with service Cassandra OpsCenter agent TCP:61621) is exposed to a wide network scope	Medium	5	5	5
/irtualMachine with unencrypted Redis (TCP:6379) is exposed to a large network scope	Medium	5	5	5
/irtualMachine with service Known internal web port TCP:8080) is exposed to a wide network scope	Medium	5	5	5
/irtualMachine with service Oracle DB SSL (UDP:2484) is exposed to a wide network scope	Medium	5	5	5
/irtualMachine with service Oracle DB SSL (TCP:2484) is exposed to a wide network scope	Medium	5	5	5
/irtualMachine with service SQL Server Analysis Services TCP:2383) is exposed to a wide network scope	Medium	5	5	5
nsure that 'OS disk' are encrypted	Medium	5	5	5
/irtualMachine with service MSSQL Debugger (TCP:135) is exposed to a wide network scope	Medium	5	5	5
/irtualMachine with service Prevalent known internal port (TCP:3000) is exposed to a wide network scope	Medium	5	5	5
/irtualMachine with unencrypted Cassandra OpsCenter Vebsite (TCP:8888) is exposed to a large network scope	Medium	5	5	5
/irtualMachine with service DNS (UDP:53) is exposed to a vide network scope	Medium	5	5	5
/irtualMachine with service MSSQL Admin (TCP:1434) is exposed to a wide network scope	Medium	5	5	5
/irtualMachine with unencrypted Memcached UDP:11211) is exposed to a large network scope	Medium	5	5	5

Rule Name	Severity	Tested	Relevant	Non Compliant
Ensure that Azure Virtual Network subnet is configured with a Network Security Group	Medium	4	4	3
Ensure that Azure Virtual Machine is assigned to an availability set	Medium	5	5	3
Ensure audit profile captures all the activities	Medium	1	1	1
Ensure that Azure Resource Group has resource lock enabled	Low	10	10	10

FAILED TESTS

FAILED							
Ensure default network access rule for Storage Accounts is set to deny Hig Description: Restricting default network access helps to provide a new layer of security, since storage accounts accept connections from clients on any network. To limit access to selected networks, the default action must be changed 4 TESTED 4 RELEVANT 4 NON COMPLIANT Network Security Non compliant Non compliant Non compliant							
Remediation: 1. Go to Storage Accounts 2. For each storage account, 3. Ensure that you have elect 4. Add rules to allow traffic for 5. Click Save to apply your of Azure Command Line Interfor References: https://docs.microsoft.com/ us/azure/storage/common/	cted to allow access from Se from specific network. hanges. face 2.0 Use the below comm 'en-us/azure/storage/comm	lected networks. nand to update c		m/en-			
Failed Entities							
ID /subscriptions/a08c11fe-96c2- 4f3a-92a9- 8825a1323e86/resourceGrou ps/MC_KubernetesContainer0 1_accessitdemo_eastus/provi ders/Microsoft.Storage/storag eAccounts/fleastus159171493 3701)	Region East US	-				
/subscriptions/a08c11fe-96c2- 4f3a-92a9-	· diagef25306c4b15024f	East US	-				

https://secure.dome9.com/v2/rule-engine-print

8825a1323e86/resourceGrou ps/R80dot40Mgmt/providers/ Microsoft.Storage/storageAcc ounts/diagef25306c4b15024f

Dome9 | Compliance Print Result

ID	Name	Region	VNET
/subscriptions/a08c11fe-96c2- 4f3a-92a9- 8825a1323e86/resourceGrou ps/aitgvmssrg/providers/Micr osoft.Storage/storageAccount s/diagebf39e219d600da7	0	East US	-
/subscriptions/a08c11fe-96c2- 4f3a-92a9- 8825a1323e86/resourceGrou ps/cloud-shell-storage- eastus/providers/Microsoft.St orage/storageAccounts/cs210 03200097cd55da	cs21003200097cd55da	East US	-

FAILED

Ensure that a network policy is in place to secure traffic between pods Description:

High

In Kubernetes when you run modern, microservices-based applications, you often want to control which components can communicate with each other. The principle of least privilege should be applied to how traffic can flow between pods in an Azure Kubernetes Service (AKS) cluster. The Network Policy feature in Kubernetes lets you define rules for ingress and egress traffic between pods in a cluster.

2 TESTED 2 RELEVANT 2 NON COMPLIANT

Azure Kubernetes Services

Remediation:

In an AKS cluster, all pods can send and receive traffic without limitations, by default. To improve security, you can define rules that control the flow of traffic.

Network Policy is a Kubernetes specification that defines access policies for communication between Pods. These network policy rules are defined as YAML manifests.

The network policy feature can only be enabled when the cluster is created. You can't enable network policy on an existing AKS cluster. To create AKS cluster that supports network policy, please refer -

https://docs.microsoft.com/en-us/azure/aks/use-network-policies?ocid=AID754288&wt.mc_id=CFID0471#create-anaks-cluster-and-enable-network-policy (https://docs.microsoft.com/en-us/azure/aks/use-network-policies? ocid=AID754288&wt.mc_id=CFID0471#create-an-aks-cluster-and-enable-network-policy)

Failed Entities

ID	Name	Region	VNET
/subscriptions/a08c11fe-96c2- 4f3a-92a9- 8825a1323e86/resourcegrou ps/KubernetesCluster1/provid ers/Microsoft.ContainerServic e/managedClusters/AITGKube rnetesCluster01		East US	-
/subscriptions/a08c11fe-96c2- 4f3a-92a9- 8825a1323e86/resourcegrou ps/KubernetesContainer01/pr oviders/Microsoft.ContainerS ervice/managedClusters/acce ssitdemo		East US	-
FAILED			

High