

Applying Exemptions to a Azure Policy

Applying Exemptions:

- We have the ability to exempt subscriptions, resource groups, and resources from Azure Initiatives or Azure Policies.

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TEST-initiative: Enforce secure configurations of resources

Initiative Assignment

Edit assignment
Delete assignment
Duplicate assignment
View compliance
View initiative
Create exemption
Create remediation task

Essentials

Name	: TEST-initiative: Enforce secure configurations of resources	Scope	: sub-emory-shared-sbx
Description	: --	Excluded scopes	: --
Assignment ID	: /subscriptions/52839ea9-3222-4ae9-9077-248e5c6d6167/providers/micro...	Definition type	: Initiative
Assigned by	: --	Policy enforcement	: Default

Parameters (0) Resource selectors (0) Overrides (0) **Exemptions (0)** Remediation (0) Deployed resources Managed Identity

Filter by name or ID...

TEST:

- Submitted exemption for our TEST-Initiative for resource group called "azurepolicy-exemption-resource-group"

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Essentials

Name	: TEST-initiative: Enforce secure configurations of resources	Scope	: sub- y-shared-sbx
Description	: --	Excluded scopes	: --
Assignment ID	: /subscriptions/52839ea9-3222-4ae9-9077-248e5c6d6167/providers/microsoft.authorization/policyassign...	Definition type	: Initiative
Assigned by	: --	Policy enforcement	: Default

Parameters (0) Resource selectors (0) Overrides (0) **Exemptions (1)** Remediation (0) Deployed resources Managed Identity

Filter by name or ID...


Name	Scope	Exemption category	Expiration date
<a>azurepolicy-exemption-resource-group - TEST-initiat...	sub-emory-shared-sbx/azurepolicy-exemption-resour...	Waiver	--

RESULTS:

- If a user creates a resource and places it inside the resource group "azurepolicy-exemption-resource-group", it will be successful.
- Successfully created storage account that goes against the policies in my Azure Initiative.

1. Storage Account has TLS 1.1

2. Storage Account allows public access
3. Storage Account does not require secure transfer for REST API operations

 Microsoft Azure

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Create a storage account

Subscription	sub- -shared-sbx
Resource group	azurepolicy-exception-resource-group
Location	East US 2
Storage account name	teststorageacct5152025
Primary service	
Performance	Standard
Replication	Read-access geo-redundant storage (RA-GRS)

Advanced

Enable hierarchical namespace	Disabled
Enable SFTP	Disabled
Enable network file system v3	Disabled
Allow cross-tenant replication	Disabled
Access tier	Hot
Enable large file shares	Enabled

Security

Secure transfer	Disabled
Blob anonymous access	Disabled
Allow storage account key access	Enabled
Default to Microsoft Entra authorization in the Azure portal	Disabled
Minimum TLS version	Version 1.1
Permitted scope for copy operations (preview)	From any storage account

Networking

Network connectivity	Public endpoint (all networks)
Default routing tier	Microsoft network routing

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4.

- If we go to the Azure Initiative > View Compliance, you will notice that it says there was an exemption.

TEST: Deny creation of Storage accounts that do not restrict network access

Policy compliance

View assignment

Create remediation task

Create exemption

Activity Logs

Scope : sub-emory-shared-sbx

Compliance state

Non-compliant

Overall resource compliance

63%

5 out of 8

Resources by compliance state

4 - Compliant

3 - Non-compliant

1 - Other

Details

Effect type Deny

Parent initiative

TEST-initiative: Enforce secure configurations of resources

Resource Compliance

Filter by resource name or ID

Compliance state : All compliance states

Resource type : microsoft.storage/storageaccounts

Location : East US 2

Edit columns

Name	Compliance state	Compliance reason	Resource type	Location	Scope	Last evaluated	
earstorageaccountn664768	Non-compliant	Details	microsoft.storage/storageaccounts	East US 2	sub-emory-shared-sbx/test-custom-azur...	5/15/25, 5:29:38 PM EDT	...
n664768earstorage	Compliant	Details	microsoft.storage/storageaccounts	East US 2	sub-emory-shared-sbx/test-custom-azur...	5/15/25, 5:29:38 PM EDT	...
lawehcauditsigininlob051	Non-compliant	Details	microsoft.storage/storageaccounts	East US 2	sub-emory-shared-sbx/law-EHC-audit_si...	5/15/25, 5:29:38 PM EDT	...
testgroupn664768	Non-compliant	Details	microsoft.storage/storageaccounts	East US 2	sub-emory-shared-sbx/test-custom-azur...	5/15/25, 5:29:39 PM EDT	...
zhe2devopsblobstsbx01	Compliant	Details	microsoft.storage/storageaccounts	East US 2	sub-emory-shared-sbx/zhe2-epic-shared...	5/15/25, 5:29:39 PM EDT	...
zhe2esvmdiagsbx01	Compliant	Details	microsoft.storage/storageaccounts	East US 2	sub-emory-shared-sbx/zhe2-epic-shared...	5/15/25, 5:29:40 PM EDT	...
zhe2esnwdiagsbx01	Compliant	Details	microsoft.storage/storageaccounts	East US 2	sub-emory-shared-sbx/zhe2-epic-shared...	5/15/25, 5:29:40 PM EDT	...
teststorageacct5152025	Exempt	Waiver	microsoft.storage/storageaccounts	East US 2	sub-emory-shared-sbx/azurepolicy-exce...	5/15/25, 5:31:56 PM EDT	...