

Ćwiczenie 4 – wymuszenie standardu konfiguracji

1. Utwórz prostą hierarchię zasobów, aby efektywnie zarządzać polisami i uprawnieniami.

The screenshot shows the Microsoft Azure portal's Home page. At the top, there is a search bar with the text "mana". Below the search bar, the "Services" section is visible, featuring a list of services such as Managed databases, Management groups, Managed applications, Managed Desktop, Managed Identities, Managed applications center, Azure Arc, SQL managed instances, ScanX Management, and Network Managers. A large green arrow points from the search bar towards the "Management groups" item in the list. On the left side, there is a sidebar with "Azure services" and "Recent resources" sections. The "Recent resources" section lists several items, including "acfrontendkawishared", "aci-frontendkawi-dev", "rg-frontendkawi-dev", "rg-frontendkawi-shared", "Azure subscription 1", "rg-frontendkw-shared", and "rg-devopsagents-shared".

The screenshot shows the Microsoft Azure portal's "Management groups" page. The title bar says "Management groups" and "Default Directory". Below the title, there is a search bar and a navigation menu with "Overview", "Get started", and "Settings". A large green arrow points from the bottom left towards the "Start using management groups" button at the bottom right. A callout bubble provides instructions: "Use management groups to group subscriptions. Click on an existing group to drill in, view details and govern resources. Right-click on any subscription or management group to launch quick actions. Click the 'Get Started' tab to learn more." At the bottom, there is a section titled "No management groups to display" with a message: "Organize your subscriptions into groups called 'management groups' to help you manage access, policy and compliance across your subscriptions. Management groups give you enterprise-grade management at a large scale no matter what type of subscriptions you might have. Learn more".

The screenshot shows the Microsoft Azure Management groups overview page. At the top, there is a search bar and a message indicating potential delays during setup. Below the message, there is a large icon representing a hierarchical structure. A prominent red arrow points from the left towards the 'Overview' tab. The main message on the page states 'No management groups to display' and provides instructions for organizing subscriptions into management groups.

No management groups to display

Organize your subscriptions into groups called "management group" to help you manage access, policy and compliance across your subscriptions. Management groups give you enterprise-grade management at a large scale no matter what type of subscriptions you might have. [Learn more](#)

[Start using management groups](#)

The screenshot shows the Microsoft Azure Management groups overview page after some changes. It now displays one subscription under a 'Tenant Root Group'. A large green arrow points from the left towards the 'Tenant Root Group' entry. The table lists the following information:

Name	ID
Tenant Root Group	6f0f59f0-433d-4b9e-b4a4-3095f6f0991d
Azure subscription 1	aad861cc-eb75-42fd-9f9e-29f1aa3e1465

Management groups

Default Directory

Search (Cmd+)/

Create

Expand / Collapse all

Feedback

Overview

Get started

Settings

Search by name or ID

Showing 1 subscriptions in 1 groups

Name	ID
Tenant Root Group	6f0f59f0-433d-4b9e-b4a4-3095f6f0991d
Azure subscription 1	aad861cc-eb75-42fd-9f9e-29f1aa3e1465

Home >

Management groups

Default Directory

Search (Cmd+)/

Overview

Get started

Settings

Create management group

Create a new management group to be a child of 'Tenant Root Group'

Management group ID (Cannot be updated after creation) *

mg-augpworkshop

Management group display name

Augp Workshop

Submit Cancel

A screenshot of the Microsoft Azure Management groups overview page. At the top, there is a search bar and a message indicating an update is in progress. Below the header, there are tabs for Overview, Get started, and Settings. A large green arrow points from the left towards the table below. The table shows one subscription in one group:

Name	ID
Tenant Root Group	6f0f59f0-433d-4b9e-b4a4-30956f0991d
Azure subscription 1	aad861cc-eb75-42fd-9f9e-29f1aa3e1465

A screenshot of the Microsoft Azure Management groups overview page. The interface is identical to the first screenshot, but now shows two groups. A large green arrow points from the left towards the table below. The table shows two subscriptions in two groups:

Name	ID
Tenant Root Group	6f0f59f0-433d-4b9e-b4a4-30956f0991d
Azure subscription 1	aad861cc-eb75-42fd-9f9e-29f1aa3e1465
Augp Workshop	mg-augpworkshop

The screenshot shows the Microsoft Azure Management groups overview page. A green arrow points from the 'Move' button in the Tenant Root Group table to the 'Move' page.

Management groups

Showing 1 subscriptions in 2 groups

Name	ID
Tenant Root Group	6f0f59f0-433d-4b9e-b4a4-30956f0991d
Azure subscription 1	aad861cc-eb75-42fd-9f9e-29f1aa3e1465
Augp Workshop	

Move

Move aad861cc-eb75-42fd-9f9e-29f1aa3e1465

New parent management group *

Augp Workshop (mg-augpworkshop)

⚠️ Moving a management group or subscription to be under a different management group could change the accesses and policies that are applied.

The screenshot shows the 'Move' dialog box. A green arrow points to the 'New parent management group' dropdown menu, which is set to 'Augp Workshop (mg-augpworkshop)'.

Move

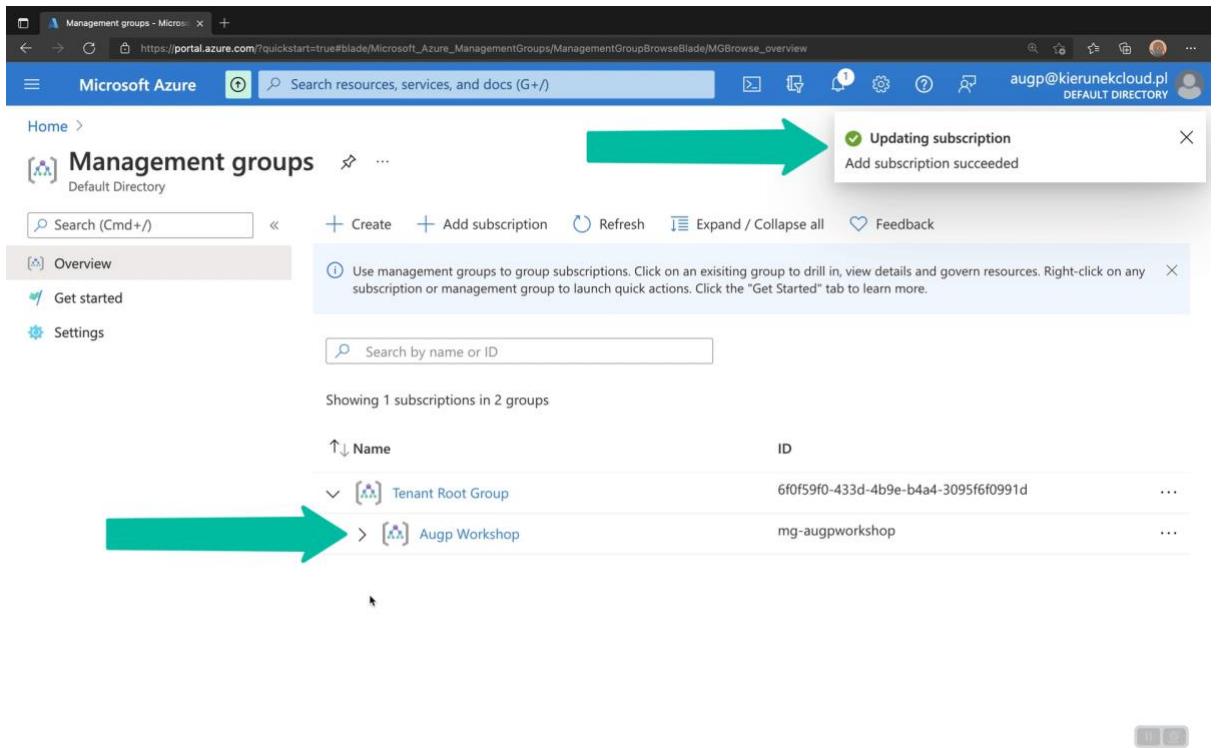
Move aad861cc-eb75-42fd-9f9e-29f1aa3e1465

New parent management group *

Augp Workshop (mg-augpworkshop)

⚠️ Moving a management group or subscription to be under a different management group could change the accesses and policies that are applied.

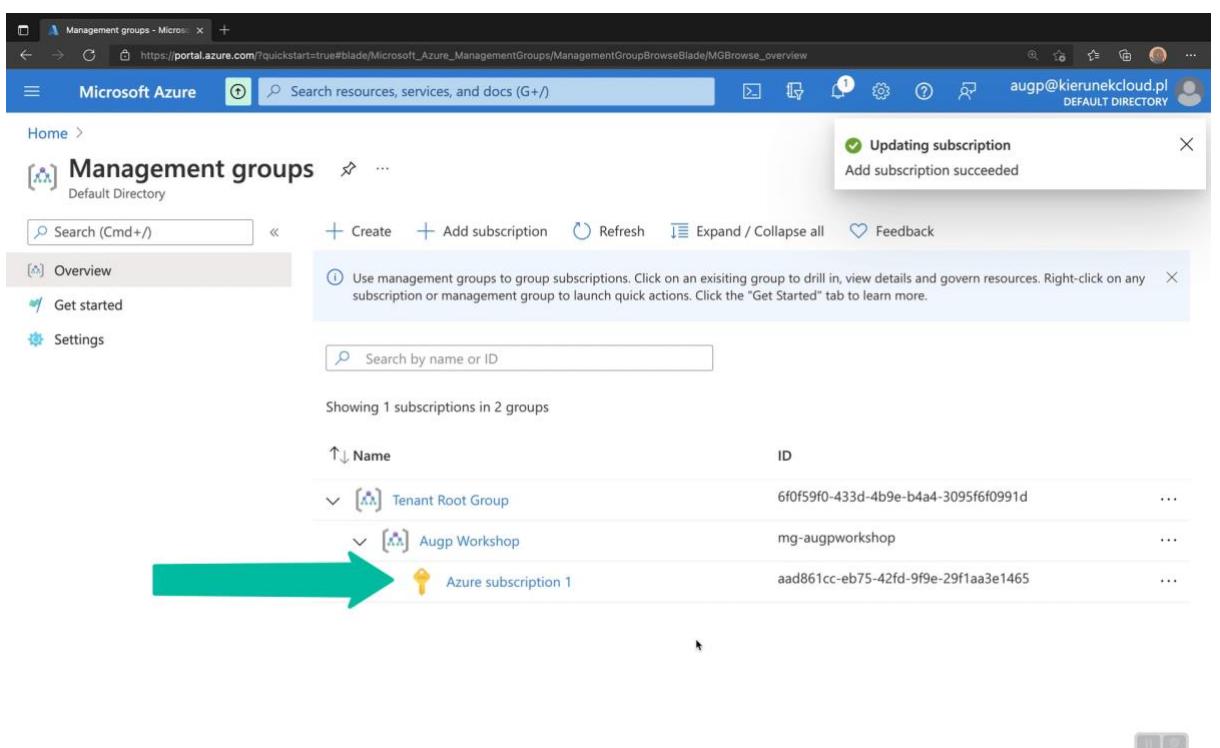
Save Cancel



The screenshot shows the Microsoft Azure Management groups overview page. At the top right, there is a green notification box that says "Updating subscription" and "Add subscription succeeded". Below the header, there is a search bar and several navigation links: "Create", "Add subscription", "Refresh", "Expand / Collapse all", and "Feedback". The main content area has a heading "Showing 1 subscriptions in 2 groups". A table lists one subscription:

Name	ID	Actions
Tenant Root Group	6f0f59f0-433d-4b9e-b4a4-3095f6f0991d	...
Augp Workshop	mg-augpworkshop	...

A large green arrow points from the left towards the "Augp Workshop" row.



The screenshot shows the Microsoft Azure Management groups overview page. At the top right, there is a green notification box that says "Updating subscription" and "Add subscription succeeded". Below the header, there is a search bar and several navigation links: "Create", "Add subscription", "Refresh", "Expand / Collapse all", and "Feedback". The main content area has a heading "Showing 1 subscriptions in 2 groups". A table lists two subscriptions:

Name	ID	Actions
Tenant Root Group	6f0f59f0-433d-4b9e-b4a4-3095f6f0991d	...
Augp Workshop	mg-augpworkshop	...
Azure subscription 1	aad861cc-eb75-42fd-9f9e-29f1aa3e1465	...

A large green arrow points from the left towards the "Azure subscription 1" row.

2. Zapoznaj się z przykładową definicją polisy.

The screenshot shows the Azure Management Groups Overview page. It displays a list of subscriptions grouped under management groups. The first group is the 'Tenant Root Group' (ID: 6f0f59f0-433d-4b9e-b4a4-3095f6f0991d), which contains one child group named 'Augp Workshop' (ID: aad861cc-eb75-42fd-9f9e-29f1aa3e1465). A green arrow points to the 'Augp Workshop' group. The page includes a search bar, navigation buttons, and a feedback link.

The screenshot shows the details page for the 'Augp Workshop' management group. The left sidebar lists various management group sections: Overview, Subscriptions, Resource Groups, Resources, Activity Log, Access control (IAM), Governance, Policy (highlighted with a green arrow), Deployments, Cost Management, Cost analysis, and Budgets. The main content area shows the group's name (Augp Workshop), ID (mg-augpworkshop), access level (Owner), and path (Tenant Root Group / Augp Workshop). It also shows that it is a child of the Tenant Root Group and has one total subscription. A green arrow points to the 'Policy' section in the sidebar.

The screenshot shows the Azure Policy Compliance blade. The main header includes the title 'Policy | Compliance' and a search bar. Below the header, there are sections for 'Scope' (set to 'Augp Workshop'), 'Type' (set to 'All definition types'), and 'Compliance state' (set to 'All compliance states'). A large central summary card displays 'Overall resource compliance: 100%' with a progress bar. To the right, it shows 'Resources by compliance state': 0 Compliant, 0 Exempt, and 0 Non-compliant. Below this, 'Non-compliant initiatives' and 'Non-compliant policies' are both listed as 0. On the left sidebar, under 'Authoring', the 'Definitions' option is selected and highlighted with a green arrow pointing to it. Other options like 'Assignments' and 'Exemptions' are also listed.

The screenshot shows the Azure Policy Definitions blade. The main header includes the title 'Policy | Definitions' and a search bar. Below the header, there are sections for 'Scope' (set to 'Augp Workshop'), 'Definition type' (set to 'All definition types'), and 'Category' (set to '1 Categories'). A search bar contains the text 'tag'. A green arrow points to this search bar. The main content area displays a table of policy definitions, with the first few rows listed below:

Name	Definition location	Policies	Type	Definition type	Category
Require a tag and its value on resources	Builtin		Policy	Tags	...
Append a tag and its value to resources	Builtin		Policy	Tags	...
Inherit a tag from the subscription if missing	Builtin		Policy	Tags	...
Append a tag and its value to resource groups	Builtin		Policy	Tags	...
Add a tag to resources	Builtin		Policy	Tags	...
Add or replace a tag on resources	Builtin		Policy	Tags	...
Add or replace a tag on subscriptions	Builtin		Policy	Tags	...
Add a tag to resource groups	Builtin		Policy	Tags	...
Require a tag on resources	Builtin		Policy	Tags	...
Require a tag and its value on resource groups	Builtin		Policy	Tags	...
Require a tag on resource groups	Builtin		Policy	Tags	...
Add a tag to subscriptions	Builtin		Policy	Tags	...
Append a tag and its value from the resource group	Builtin		Policy	Tags	...
Inherit a tag from the subscription	Builtin		Policy	Tags	...
Inherit a tag from the resource group	Builtin		Policy	Tags	...
Add or replace a tag on resource groups	Builtin		Policy	Tags	...
Inherit a tag from the resource group if missing	Builtin		Policy	Tags	...

Require a tag on resource groups

```

Name : Require a tag on resource groups
Description : Enforces existence of a tag on resource groups.
Available Effects : Deny
Category : Tags

Definition assignments (0) Parameters

4 "policyType": "BuiltIn",
5 "mode": "All",
6 "description": "Enforces existence of a tag on resource groups.",
7 "metadata": {
8   "version": "1.0.0",
9   "category": "Tags"
10 },
11 "parameters": {
12   "tagName": {
13     "type": "String",
14     "metadata": {
15       "displayName": "Tag Name",
16       "description": "Name of the tag, such as 'environment'"
17     }
18   }
19 },
20 "policyRule": {
21   "if": {
22     "allOf": [
23       {
24         "field": "type",
25         "equals": "Microsoft.Resources/subscriptions/resourceGroups"
26       },
27       {
28         "field": "[concat('tags!', parameters('tagName'), '!')]",
29         "exists": "false"
30       }
31     ],
32   },
33   "then": {
34     "effect": "deny"
35   }
36 }

```

Require a tag on resource groups

```

Name : Require a tag on resource groups
Description : Enforces existence of a tag on resource groups.
Available Effects : Deny
Category : Tags

Definition assignments (0) Parameters

4 "policyType": "BuiltIn",
5 "mode": "All",
6 "description": "Enforces existence of a tag on resource groups.",
7 "metadata": {
8   "version": "1.0.0",
9   "category": "Tags"
10 },
11 "parameters": {
12   "tagName": {
13     "type": "String",
14     "metadata": {
15       "displayName": "Tag Name",
16       "description": "Name of the tag, such as 'environment'"
17     }
18   }
19 },
20 "policyRule": {
21   "if": [
22     "allOf": [
23       {
24         "field": "type",
25         "equals": "Microsoft.Resources/subscriptions/resourceGroups"
26       },
27       {
28         "field": "[concat('tags!', parameters('tagName'), '!')]",
29         "exists": "false"
30       }
31     ]
32   ],
33   "then": {
34     "effect": "deny"
35   }
36 }

```

Require a tag on resource groups

```

Name : Require a tag on resource groups
Description : Enforces existence of a tag on resource groups.
Available Effects : Deny
Category : Tags

Definition assignments (0) Parameters

4 "policyType": "BuiltIn",
5 "mode": "All",
6 "description": "Enforces existence of a tag on resource groups.",
7 "metadata": {
8   "version": "1.0.0",
9   "category": "Tags"
10 },
11 "parameters": {
12   "tagName": {
13     "type": "String",
14     "metadata": {
15       "displayName": "Tag Name",
16       "description": "Name of the tag, such as 'environment'"
17     }
18   }
19 },
20 "policyRule": {
21   "if": {
22     "allOf": [
23       {
24         "field": "type",
25         "equals": "Microsoft.Resources/subscriptions/resourceGroups"
26       }
27     ],
28     "then": {
29       "exists": "false"
30     }
31   },
32   "then": {
33     "effect": "deny"
34   }
35 }
36

```

Require a tag on resource groups

```

Name : Require a tag on resource groups
Description : Enforces existence of a tag on resource groups.
Available Effects : Deny
Category : Tags

Definition assignments (0) Parameters

4 "policyType": "BuiltIn",
5 "mode": "All",
6 "description": "Enforces existence of a tag on resource groups.",
7 "metadata": {
8   "version": "1.0.0",
9   "category": "Tags"
10 },
11 "parameters": {
12   "tagName": {
13     "type": "String",
14     "metadata": {
15       "displayName": "Tag Name",
16       "description": "Name of the tag, such as 'environment'"
17     }
18   }
19 },
20 "policyRule": {
21   "if": {
22     "allOf": [
23       {
24         "field": "type",
25         "equals": "Microsoft.Resources/subscriptions/resourceGroups"
26       }
27     ],
28     "then": {
29       "exists": "false"
30     }
31   },
32   "then": {
33     "effect": "deny"
34   }
35 }
36

```

Require a tag on resource groups

Policy definition

Assign Edit definition Duplicate definition Delete definition Export definition

Essentials

Name	: Require a tag on resource groups	Definition location :	--
Description	: Enforces existence of a tag on resource groups.	Definition ID :	/providers/Microsoft.Authorization/policyDefinitions/96670d01-0a4d-4649-9c89-2d3abc0a5025
Available Effects :	Deny	Type :	Built-in
Category	: Tags	Mode :	All

Definition Assignments (0) Parameters

```

4   "policyType": "BuiltIn",
5   "mode": "ALL",
6   "description": "Enforces existence of a tag on resource groups.",
7   "metadata": {
8     "version": "1.0.0",
9     "category": "Tags"
10   },
11  "parameters": {
12    "tagName": {
13      "type": "String",
14      "metadata": {
15        "displayName": "Tag Name",
16        "description": "Name of the tag, such as 'environment'"
17      }
18    }
19  },
20  "policyRule": {
21    "if": {
22      "allOf": [
23        {
24          "field": "type",
25          "equals": "Microsoft.Resources/subscriptions/resourceGroups"
26        },
27        {
28          "field": "[concat('tags!', parameters('tagName'), '!')]",
29          "exists": "false"
30        }
31      ],
32    },
33    "then": {
34      "effect": "deny"
35    }
36  }

```

3. Utwórz Azure Policy Initiative, która wymusi obecność oraz zautomatyzuje dziedziczenie tagów:

- owner,
- costCenter,
- workloadName,
- environment.

The screenshot shows the 'Policy | Definitions' blade in the Azure portal. On the left, there's a navigation menu with items like Overview, Getting started, Compliance, Remediation, Events, Authoring, Assignments, Definitions (which is selected), Exemptions, Related Services, Blueprints (preview), Resource Graph, and User privacy. The main area displays a table of policy definitions. At the top of the table, there are filters for Scope (set to 'Augp Workshop'), Definition type (set to 'All definition types'), Category (set to '1 categories'), and a search bar. A large green arrow points from the bottom-left towards the 'Initiative_definition' button at the top center of the blade.

Name ↑	Definition location ↑	Policies ↑	Type ↑	Definition type ↑	Category ↑
Require a tag and its value on resources	Builtin	Policy	Tags	...	
Append a tag and its value to resources	Builtin	Policy	Tags	...	
Inherit a tag from the subscription if missing	Builtin	Policy	Tags	...	
Append a tag and its value to resource groups	Builtin	Policy	Tags	...	
Add a tag to resources	Builtin	Policy	Tags	...	
Add or replace a tag on resources	Builtin	Policy	Tags	...	
Add or replace a tag on subscriptions	Builtin	Policy	Tags	...	
Add a tag to resource group	Builtin	Policy	Tags	...	
Require a tag on resources	Builtin	Policy	Tags	...	
Require a tag and its value on resource groups	Builtin	Policy	Tags	...	
Require a tag on resource groups	Builtin	Policy	Tags	...	
Add a tag to subscriptions	Builtin	Policy	Tags	...	
Append a tag and its value from the resource group	Builtin	Policy	Tags	...	
Inherit a tag from the subscription	Builtin	Policy	Tags	...	
Inherit a tag from the resource group	Builtin	Policy	Tags	...	
Add or replace a tag on resource groups	Builtin	Policy	Tags	...	
Inherit a tag from the resource group if missing	Builtin	Policy	Tags	...	

The screenshot shows the 'Initiative definition' blade in the Azure portal. The 'Basics' tab is selected. The form includes fields for Initiative location (set to 'Augp Workshop'), Name (set to 'Augp Tag Requirements'), Description (empty), Category (radio button set to 'Create new'), and Version (empty). A large green arrow points from the bottom-left towards the 'Name' input field.

Basics Policies Groups Initiative parameters Policy parameters Review + create

An initiative definition is a collection of policy definitions that are tailored towards achieving a singular overarching goal. Initiative definitions simplify managing and assigning policy definitions by grouping them as a single assignable object.

Initiative location * Augp Workshop

Name * Augp Tag Requirements

Description

Category Create new Use existing

Category

Version

Review + create Cancel Previous Next

A screenshot of the Microsoft Azure portal showing the 'Initiative definition' creation page. The URL is https://portal.azure.com/?quickstart=true#blade/Microsoft_Azure_Policy/Definitions/scope/%2Fproviders%2FMicrosoft.Management%2FmanagementGroups%2Fmg-augp... . The page title is 'Initiative definition - Microsoft'. The top navigation bar shows 'Microsoft Azure' and 'Upgrade'. The main content area is titled 'Initiative definition' with a sub-section 'Basics'. It includes fields for 'Initiative location' (set to 'Augp Workshop'), 'Name' (set to 'Augp Tag Requirements'), 'Description' (empty), 'Category' (radio button selected for 'Use existing'), and 'Version' (empty). At the bottom are buttons for 'Review + create', 'Cancel', 'Previous', and 'Next'. A large green arrow points to the 'Category' dropdown.

A screenshot of the Microsoft Azure portal showing the 'Initiative definition' creation page. The URL is https://portal.azure.com/?quickstart=true#blade/Microsoft_Azure_Policy/Definitions/scope/%2Fproviders%2FMicrosoft.Management%2FmanagementGroups%2Fmg-augp... . The page title is 'Initiative definition - Microsoft'. The top navigation bar shows 'Microsoft Azure' and 'Upgrade'. The main content area is titled 'Initiative definition' with a sub-section 'Basics'. It includes fields for 'Initiative location' (empty), 'Name' (empty), 'Description' (empty), 'Category' (radio button selected for 'Create new'), and 'Version' (empty). A sidebar on the left lists various Azure services: Migrate, Monitoring, Network, Portal, Regulatory Compliance, Search, Security Center, Service Bus, Service Fabric, SignalR, Site Recovery, SQL, Storage, Stream Analytics, Synapse, and Tags. A large green arrow points to the 'Tags' link in the sidebar.

Initiative definition - Microsoft

Home > Management groups > Augp Workshop > Policy > Initiative definition

Basics Policies Groups Initiative parameters Policy parameters Review + create

An initiative definition is a collection of policy definitions that are tailored towards achieving a singular overarching goal. Initiative definitions simplify managing and assigning policy definitions by grouping them as a single assignable object.

Initiative location *

Name *

Description

Category Create new Use existing

Tags

Version



Initiative definition - Microsoft

Home > Management groups > Augp Workshop > Policy > Initiative definition

Policies Basics Groups Initiative parameters Policy parameters Review + create

Add one or more policies to this initiative. Reference ID can be used as a friendly display name but must be unique within the initiative.

Search by name or reference ID: Group: 1 selected

POLICY DEFINITION	REFERENCE ID	GROUP
No policies found in the given scope.		



Add policy definition(s) - Microsoft Azure

https://portal.azure.com/?quickstart=true#blade/Microsoft_Azure_Policy/Definitions/scope/%2Fproviders%2FMicrosoft.Management%2FmanagementGroups%2Fmg-augp...      

Microsoft Azure  Search resources, services, and docs (G+)

Home > Management groups > Augp Workshop > Policy >

Initiative definition 

New Initiative definition

Basics Policies Groups Initiative parameters Policy parameters Review + create

Add one or more policies to this initiative. Reference ID can be used as a friendly display name but must be unique within the initiative.

Add policy definition(s) Add selected policies to a group 0 policies are not part of any group

Search by name or reference ID Group : 1 selected

POLICY DEFINITION REFERENCE ID

No policies found in the given scope.

Add policy definition(s)

Automated Microsoft managed

Select one or more policy definition(s) below to add them to initiative. Policy definitions without parameters that have already been added to the initiative are disabled and can't be added a second time. Only policy definitions with parameters can be added to the initiative more than once.

POLICY NAME	CATEGORY	TYPE
<input type="checkbox"/> Inherit a tag from the subscription if missing	Tags	Builtin
<input type="checkbox"/> Inherit a tag from the subscription	Tags	Builtin
<input type="checkbox"/> Inherit a tag from the resource group	Tags	Builtin
<input checked="" type="checkbox"/> Inherit a tag from the resource group if missing	Tags	Builtin

1 policies selected

Add Cancel

Review + create Cancel Previous Next

Add policy definition(s) - Microsoft Azure

https://portal.azure.com/?quickstart=true#blade/Microsoft_Azure_Policy/Definitions/scope/%2Fproviders%2FMicrosoft.Management%2FmanagementGroups%2Fmg-augp...      

Microsoft Azure  Search resources, services, and docs (G+)

Home > Management groups > Augp Workshop > Policy >

Initiative definition 

New Initiative definition

Basics Policies Groups Initiative parameters Policy parameters Review + create

Add one or more policies to this initiative. Reference ID can be used as a friendly display name but must be unique within the initiative.

Add policy definition(s) Add selected policies to a group 1 policies are not part of any group

Search by name or reference ID Group : 1 selected

POLICY DEFINITION REFERENCE ID

Inherit a tag from the resource group if missing

Add policy definition(s)

Automated Microsoft managed

Select one or more policy definition(s) below to add them to initiative. Policy definitions without parameters that have already been added to the initiative are disabled and can't be added a second time. Only policy definitions with parameters can be added to the initiative more than once.

POLICY NAME	CATEGORY	TYPE
<input type="checkbox"/> Windows machines should meet requirements for 'Security Options - System set...' Guest Configuration	Guest Configuration	Builtin
<input type="checkbox"/> Windows machines should meet requirements for 'Security Options - Network S...' Guest Configuration	Guest Configuration	Builtin
<input type="checkbox"/> Windows machines should meet requirements for 'System Audit Policies - Logo...' Guest Configuration	Guest Configuration	Builtin
<input checked="" type="checkbox"/> Require a tag and its value on resources	Guest Configuration	Builtin
<input type="checkbox"/> Windows machines should meet requirements for 'System Audit Policies - Policy...' Guest Configuration	Guest Configuration	Builtin
<input type="checkbox"/> Windows machines should meet requirements for 'Administrative Templates - C...' Guest Configuration	Guest Configuration	Builtin
<input type="checkbox"/> Windows machines should meet requirements for 'Security Options - Network A...' Guest Configuration	Guest Configuration	Builtin
<input type="checkbox"/> Windows machines should meet requirements for 'System Audit Policies - Accou...' Guest Configuration	Guest Configuration	Builtin
<input type="checkbox"/> Require automatic OS image patching on Virtual Machine Scale Sets Compute	Compute	Builtin
<input type="checkbox"/> Windows machines should meet requirements for 'Security Options - User Acco...' Guest Configuration	Guest Configuration	Builtin
<input type="checkbox"/> FTPS should be required in your Function App App Service	App Service	Builtin
<input type="checkbox"/> Windows machines should meet requirements for 'System Audit Policies - Detail...' Guest Configuration	Guest Configuration	Builtin

1 policies selected

Add Cancel

Review + create Cancel Previous Next

Microsoft Azure Upgrade Search resources, services, and docs (G+)

Home > Management groups > AugP Workshop > Policy > Initiative definition

New Initiative definition

Basics Policies Groups Initiative parameters Policy parameters Review + create

Add one or more policies to this initiative. Reference ID can be used as a friendly display name but must be unique within the initiative.

Add policy definition(s) Add selected policies to a group 1 policies are not part of any group

Search by name or reference ID Group : 1 selected

POLICY DEFINITION	REFERENCE ID
<input type="checkbox"/> Inherit a tag from the resource group if missing	Inherit a tag from the resource group if missing

Add policy definition(s)

POLICY DEFINITION	REFERENCE ID	TYPE
<input checked="" type="checkbox"/> Require a tag on resources	Require a tag on resources	Tags
<input checked="" type="checkbox"/> Require a tag on resource groups	Require a tag on resource groups	Tags
<input type="checkbox"/> Windows machines should meet requirements for 'Administrative Templates - Network Configuration'	Guest Configuration	Builtin
<input type="checkbox"/> Windows machines should meet requirements for 'Security Options - Network Configuration'	Guest Configuration	Builtin
<input type="checkbox"/> Windows machines should meet requirements for 'System Audit Policies - Account Management'	Guest Configuration	Builtin
<input type="checkbox"/> Require automatic OS image patching on Virtual Machine Scale Sets	Compute	Builtin
<input type="checkbox"/> Windows machines should meet requirements for 'Security Options - User Accounts'	Guest Configuration	Builtin
<input type="checkbox"/> FTPS should be required in your Web App	App Service	Builtin
<input type="checkbox"/> Windows machines should meet requirements for 'System Audit Policies - Detailed Audit Settings'	Guest Configuration	Builtin
<input type="checkbox"/> Authentication to Linux machines should require SSH keys	Guest Configuration	Builtin
<input type="checkbox"/> Windows machines should meet requirements for 'Administrative Templates - Network Services'	Guest Configuration	Builtin
<input type="checkbox"/> Windows machines should meet requirements of the Azure compute security baseline	Guest Configuration	Builtin
<input type="checkbox"/> Windows machines should meet requirements for 'System Audit Policies - System'	Guest Configuration	Builtin
<input type="checkbox"/> Windows machines should meet requirements for 'Windows Components'	Guest Configuration	Builtin
<input checked="" type="checkbox"/> Require a tag on resources	Tags	Builtin
<input type="checkbox"/> Windows machines should meet requirements for 'System Audit Policies - Privileged Access'	Guest Configuration	Builtin
<input type="checkbox"/> Windows machines should meet requirements for 'Security Options - Devices'	Guest Configuration	Builtin
<input type="checkbox"/> Require a tag and its value on resource groups	Tags	Builtin
<input type="checkbox"/> Windows machines should meet requirements for 'System Audit Policies - Accountability'	Guest Configuration	Builtin
<input checked="" type="checkbox"/> Require a tag on resource groups	Tags	Builtin
<input type="checkbox"/> Windows machines should meet requirements for 'Administrative Templates - Software Configuration'	Guest Configuration	Builtin
<input type="checkbox"/> FTPS only should be required in your API App	App Service	Builtin
<input type="checkbox"/> Require encryption on Data Lake Store accounts	Data Lake	Builtin
<input type="checkbox"/> Windows machines should meet requirements for 'Security Options - Shutdown'	Guest Configuration	Builtin
<input type="checkbox"/> Windows machines should meet requirements for 'Security Options - Microsoft Account'	Guest Configuration	Builtin
<input type="checkbox"/> Windows machines should meet requirements for 'Security Options - Interactive Logon'	Guest Configuration	Builtin

2 policies selected

Add Cancel

Initiative definition - Microsoft

Microsoft Azure Upgrade Search resources, services, and docs (G+)

Home > Management groups > Augp Workshop > Policy >

Initiative definition

New Initiative definition

Basics Policies Groups Initiative parameters Policy parameters Review + create

Policy parameters are inputs into individual policies.

Search by reference ID or parameter name Only show parameters that need input or review

REFERENCE ID	PARAMETER NAME	TYPE	VALUE TYPE	VALUE(S)
Inherit a tag from the resource group if missing_1	Tag Name	String	Set value	owner
Require a tag on resources_1	Tag Name	String	Set value	owner
Require a tag on resource groups_1	Tag Name	String	Set value	owner

Review + create Cancel Previous Next



Initiative definition

New Initiative definition

Policies

Basics

Policy parameters are inputs into individual policies.

REFERENCE ID	PARAMETER NAME	TYPE	VALUE TYPE	VALUE(S)
Inherit a tag from the resource group if missing_1	Tag Name	String	Set value	owner
Require a tag on resources_1	Tag Name	String	Set value	owner
Require a tag on resource groups_1	Tag Name	String	Set value	owner

Search by reference ID or parameter name Only show parameters that need input or review

Review + create Cancel Previous Next

Initiative definition

New Initiative definition

Add one or more policies to this initiative. Reference ID can be used as a friendly display name but must be unique within the initiative.

Add policy definition(s)

Search by name or reference ID Group : 1 selected

POLICY DEFINITION	REFERENCE ID	GROUP
<input type="checkbox"/> Inherit a tag from the resource group if missing	Inherit a tag from the resource group if missing_1	0 groups
<input type="checkbox"/> Require a tag on resources	Require a tag on resources_1	0 groups
<input type="checkbox"/> Require a tag on resource groups	Require a tag on resource groups_1	0 groups

Review + create Cancel Previous Next

Dodaj do Initiative kolejne Definitions.

REFERENCE ID	GROUP	...
Inherit a tag from the resource group if missing_1	0 groups	...
Require a tag on resources_1	0 groups	...
Require a tag on resource groups_1	0 groups	...
Inherit a tag from the resource group_1	0 groups	...
Inherit a tag from the resource group_2	0 groups	...
Inherit a tag from the resource group_3	0 groups	...
Require a tag on resources_2	0 groups	...
Require a tag on resource groups_2	0 groups	...
Require a tag on resources_3	0 groups	...
Require a tag on resource groups_3	0 groups	...
Require a tag on resources_4	0 groups	...
Require a tag on resource groups_4	0 groups	...

Ustaw dla nich parametry. Powinieneś uzyskać podobny efekt.

REFERENCE ID	PARAMETER NAME	TYPE	VALUE TYPE	VALUES
Inherit a tag from the resource group if missing_1	Tag Name	String	Set value	owner
Require a tag on resources_1	Tag Name	String	Set value	owner
Require a tag on resource groups_1	Tag Name	String	Set value	owner
Inherit a tag from the resource group_1	Tag Name	String	Set value	costCenter
Inherit a tag from the resource group_2	Tag Name	String	Set value	environment
Inherit a tag from the resource group_3	Tag Name	String	Set value	workload
Require a tag on resources_2	Tag Name	String	Set value	costCenter
Require a tag on resource groups_2	Tag Name	String	Set value	costCenter
Require a tag on resources_3	Tag Name	String	Set value	environment
Require a tag on resource groups_3	Tag Name	String	Set value	environment
Require a tag on resources_4	Tag Name	String	Set value	workload
Require a tag on resource groups_4	Tag Name	String	Set value	workload

The screenshot shows the 'Initiative definition' page in the Azure portal. The URL is https://portal.azure.com/?quickstart=true#blade/Microsoft_Azure_Policy/PolicyMenuBlade/Definitions/scope/%2Fproviders%2FMicrosoft.ManagementGroups%2Fmg-augp.... The 'Review + create' tab is selected. A large green arrow points from the bottom-left towards the 'Create' button at the bottom left of the page. Another green arrow points from the top-right towards the 'Review + create' tab.

4. Utwórz assignment Initiative utworzonej w poprzednim ćwiczeniu.

The screenshot shows the 'Aug Tag Requirements' page in the Azure portal. The URL is https://portal.azure.com/?quickstart=true#blade/Microsoft_Azure_Policy/Definitions/scope/%2Fproviders%2FMicrosoft.ManagementGroups%2Fmg-augp.... A green arrow points from the top-left towards the 'Assign' button. A success message box is visible in the top-right corner: 'Successfully saved initiative definition' and 'Successfully saved 'Aug Tag Requirements' in 'mg-augpworkshop''. The 'Assign' button is highlighted with a green box.

A screenshot of the Microsoft Azure Policy blade for creating a new policy named "Aug Tag Requirements". The page is divided into sections: Basics, Parameters, Remediation, Non-compliance messages, and Review + create.

Basics Section:

- Scope:** Aug Workshop (highlighted by a green arrow)
- Assignment name:** Aug Tag Requirements (highlighted by a green arrow)
- Description:** (empty text area)
- Policy enforcement:** Enabled (highlighted by a green arrow)
- Assigned by:** Kamil Wiecek

Review + create Buttons:

- Review + create (blue button)
- Cancel
- Previous
- Next (highlighted by a large green arrow)

Parameters Section:

This policy has no parameters.

Review + create Buttons:

- Review + create (blue button)
- Cancel
- Previous
- Next (highlighted by a large green arrow)

A screenshot of the Azure portal showing the 'Remediation' tab of the 'Augg Tag Requirements' policy blade. The page includes sections for 'Managed identity', 'Permissions', and a note about role assignments. A large green arrow points from the bottom of the previous screenshot to the 'Review + create' button at the bottom of this screenshot.

A screenshot of the Azure portal showing the 'Review + create' tab of the 'Augg Tag Requirements' policy blade. It displays basic information like scope, policy definition, and parameters. A large green arrow points from the bottom of the previous screenshot to the 'Create' button at the bottom of this screenshot.

A screenshot of the Microsoft Azure portal showing the 'Augp Tag Requirements' policy definition. The policy has 13 assignments under the 'Automated' tab. A success message in the top right corner states 'Role Assignments creation succeeded'.

Policy	Effect Type	Type	Reference ID
Inherit a tag from the resource group if missing	Modify	Built-in	Inherit a tag from the resource group if missing,_1
Require a tag on resources	Deny	Built-in	Require a tag on resources,_1
Require a tag on resource groups	Deny	Built-in	Require a tag on resource groups,_1
Inherit a tag from the resource group	Modify	Built-in	Inherit a tag from the resource group,_1
Inherit a tag from the resource group	Modify	Built-in	Inherit a tag from the resource group,_2
Inherit a tag from the resource group	Modify	Built-in	Inherit a tag from the resource group,_3
Require a tag on resources	Deny	Built-in	Require a tag on resources,_2
Require a tag on resource groups	Deny	Built-in	Require a tag on resource groups,_2
Require a tag on resources	Deny	Built-in	Require a tag on resources,_3
Require a tag on resource groups	Deny	Built-in	Require a tag on resource groups,_3
Require a tag on resources	Deny	Built-in	Require a tag on resources,_4
Require a tag on resource groups	Deny	Built-in	Require a tag on resource groups,_4

A screenshot of the Microsoft Azure portal showing the 'Augp Tag Requirements' policy definition. A green arrow points to the breadcrumb navigation bar at the top left, which shows the path: Home > Management groups > Augp Workshop. A success message in the top right corner states 'Role Assignments creation succeeded'.

Policy	Effect Type	Type	Reference ID
Inherit a tag from the resource group if missing	Modify	Built-in	Inherit a tag from the resource group if missing,_1
Require a tag on resources	Deny	Built-in	Require a tag on resources,_1
Require a tag on resource groups	Deny	Built-in	Require a tag on resource groups,_1
Inherit a tag from the resource group	Modify	Built-in	Inherit a tag from the resource group,_1
Inherit a tag from the resource group	Modify	Built-in	Inherit a tag from the resource group,_2
Inherit a tag from the resource group	Modify	Built-in	Inherit a tag from the resource group,_3
Require a tag on resources	Deny	Built-in	Require a tag on resources,_2
Require a tag on resource groups	Deny	Built-in	Require a tag on resource groups,_2
Require a tag on resources	Deny	Built-in	Require a tag on resources,_3
Require a tag on resource groups	Deny	Built-in	Require a tag on resource groups,_3
Require a tag on resources	Deny	Built-in	Require a tag on resources,_4
Require a tag on resource groups	Deny	Built-in	Require a tag on resource groups,_4

Policy | Compliance

Scope: Augp Workshop | Type: All definition types | Compliance state: All compliance states

Resources by compliance state:

- 0 - Compliant (0)
- 0 - Exempt (0)
- 0 - Non-compliant (0)

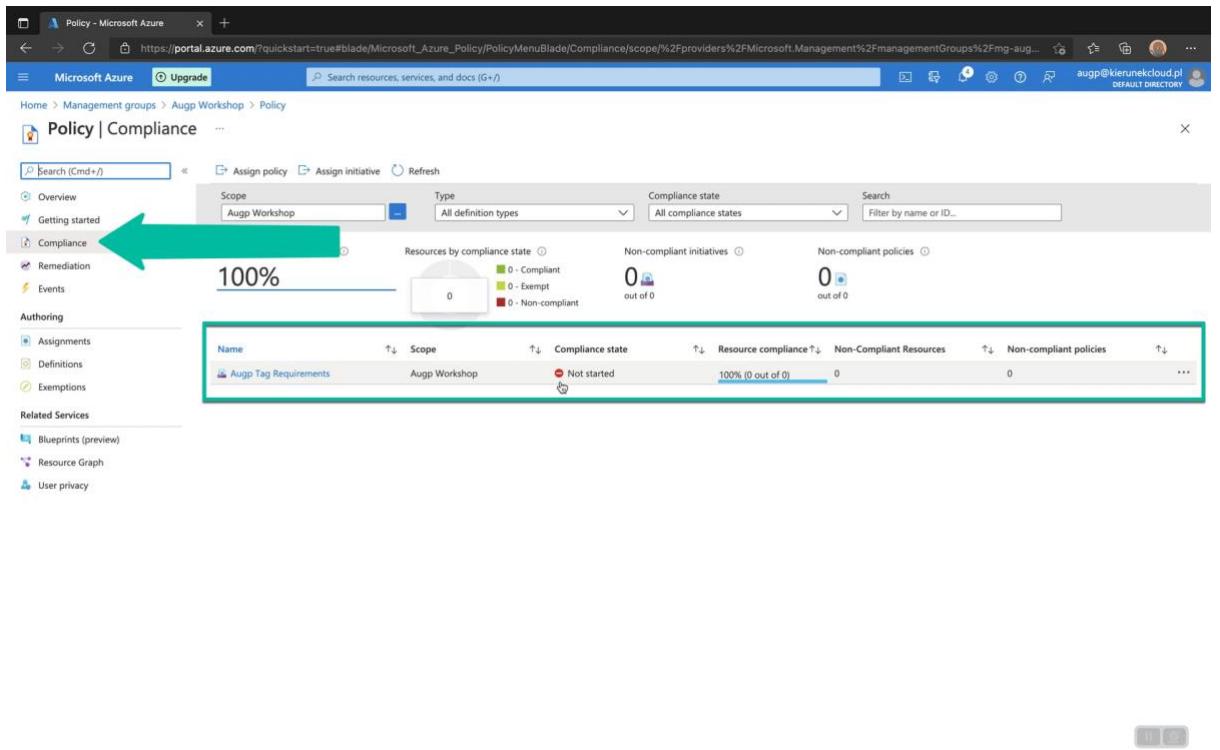
Non-compliant initiatives: 0 out of 0

Non-compliant policies: 0 out of 0

Name	Scope	Compliance state	Resource compliance	Non-Compliant Resources	Non-compliant policies
Augp Tag Requirements	Augp Workshop	Not started	100% (0 out of 0)	0	0

Related Services

- Blueprints (preview)
- Resource Graph
- User privacy



Augp Workshop | Access control (IAM)

Management group

Check access | Role assignments

My access: View my level of access to this resource. [View my access](#)

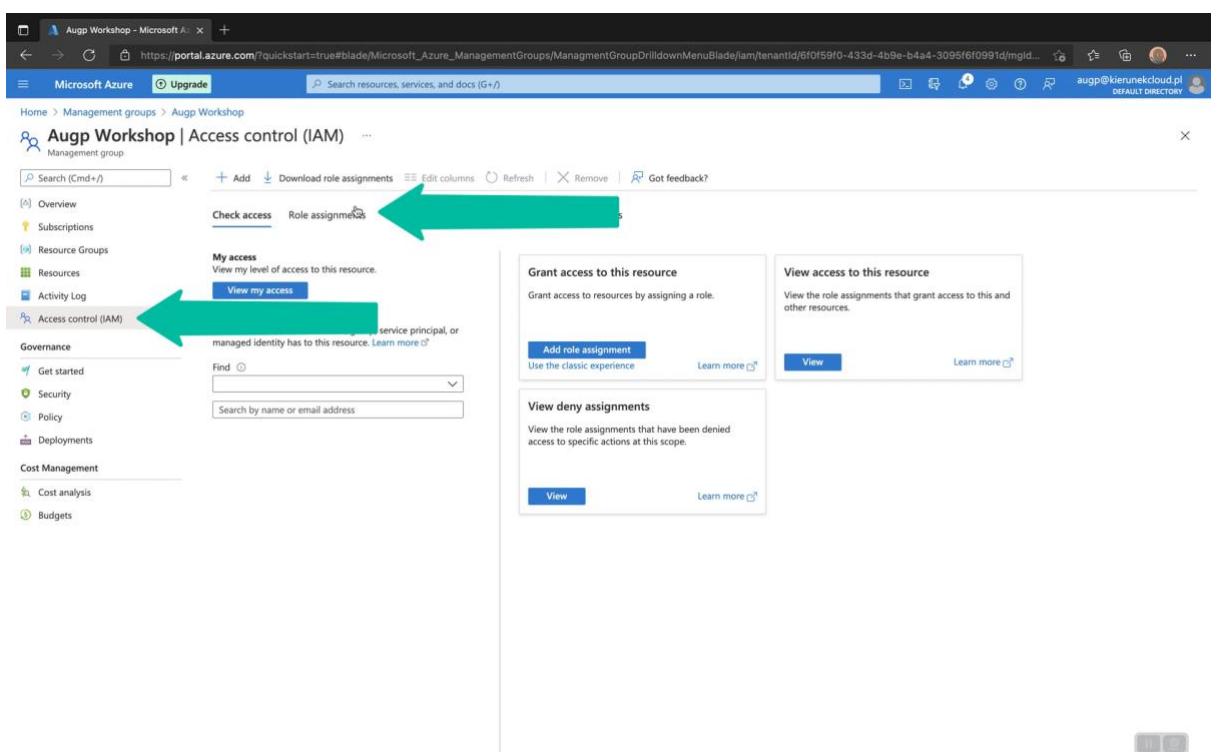
Grant access to this resource: Grant access to resources by assigning a role. [Add role assignment](#)

View access to this resource: View the role assignments that grant access to this and other resources. [View](#)

View deny assignments: View the role assignments that have been denied access to specific actions at this scope. [View](#)

Access control (IAM)

Overview | Subscriptions | Resource Groups | Resources | Activity Log | Get started | Security | Policy | Deployments | Cost analysis | Budgets



A screenshot of the Microsoft Azure portal showing the Access control (IAM) blade for the "Augg Workshop" management group. The "Role assignments" tab is selected. A search bar at the top right shows "Search resources, services, and docs (G+?)". The main table lists three items under "Contributor" role assignments:

Name	Type	Role	Scope	Condition
dc09a802e2af42a78839f3c8	App	Contributor	This resource	None
Kamil Wiecek augp.kierunekcloud.pl#EXT#@aug...	User	Owner	This resource	None
Kamil Wiecek augp.kierunekcloud.pl#EXT#@aug...	User	User Access Administrator	Root (Inherited)	None

A screenshot of the Microsoft Azure portal showing the "Overview" page for the enterprise application "dc09a802e2af42a78839f3c8". The "Properties" section is highlighted with a green box. The "Getting Started" section contains three steps:

- 1. Assign users and groups**: Provide specific users and groups access to the applications. [Assign users and groups](#)
- 2. Provision User Accounts**: You'll need to create user accounts in the application. [Learn more](#)
- 3. Self service**: Enable users to request access to the application using their Azure AD credentials. [Get started](#)

The "What's New" section includes:

- Sign in charts have moved!**: The new Insights view shows sign in info along with other useful application data. [View insights](#)
- Delete Application has moved to Properties**: You can now delete your application from the Properties page. [View properties](#)
- Getting started has moved to Overview**: The Getting Started page has been replaced by the steps above.

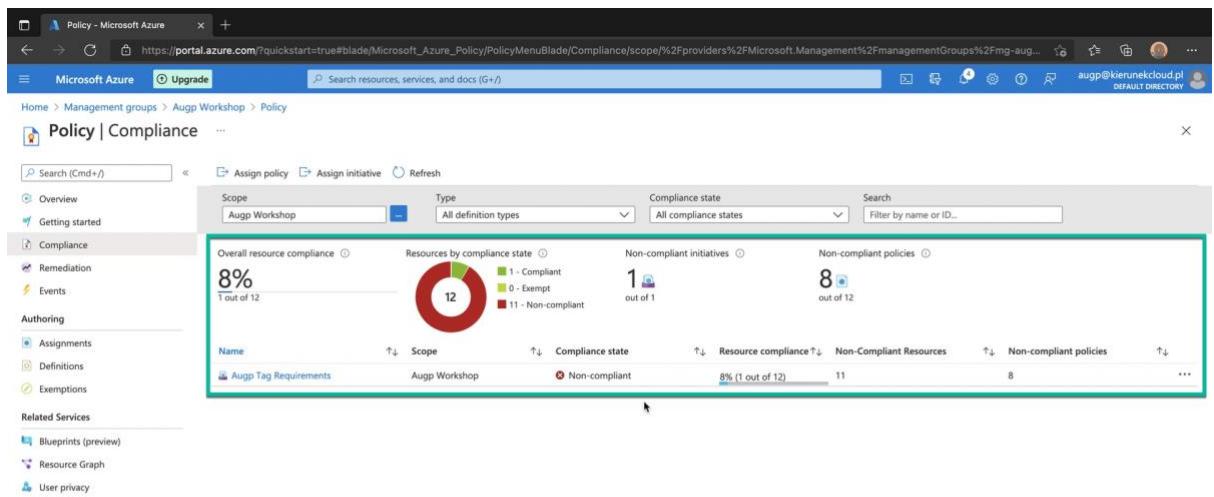
5. Utwórz Resource Group bez wymaganych tagów i sprawdź co się stanie. Możesz wykorzystać Azure Portal lub PowerShell

```
Connect-AzAccount -TenantId 6f0f59f0-433d-4b9e-b4a4-3095f6f0991d -DeviceAuth
```

```
New-AzResourceGroup -Name rg-new -Location westeurope
```

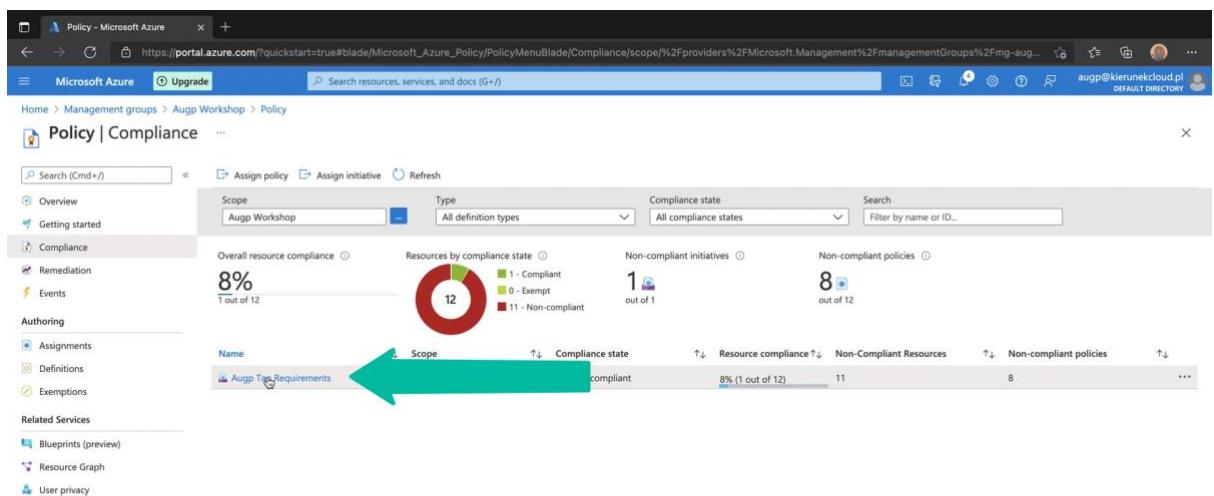
```
New-AzResourceGroup -Name rg-new -Location westeurope  
-Tags @f owner = 'ama@augp.com'; costCenter = '123'; environment = 'dev'; workload = 'dc' }
```

6. Sprawdź raport compliance.



The screenshot shows the Azure Policy Compliance blade. The main summary area indicates an overall resource compliance of 8% (1 out of 12). A pie chart shows the distribution of compliance states: 1 Compliant (green), 0 Exempt (light blue), and 11 Non-compliant (red). Below this, a table provides detailed information for a single policy named "Augp Tag Requirements".

Name	Scope	Compliance state	Resource compliance	Non-Compliant Resources	Non-compliant policies
Augp Tag Requirements	Augp Workshop	Non-compliant	8% (1 out of 12)	11	8



This screenshot is identical to the one above, showing the same compliance data for the "Augp Tag Requirements" policy. A large green arrow points to the "Scope" column of the table, highlighting the value "Augp Workshop".

Aug Tag Requirements - Microsoft Azure

Home > Management groups > Augp Workshop > Policy > Aug Tag Requirements

Initiative compliance

View definition Edit assignment Assign to another scope Delete assignment Create Remediation Task Create exemption

1 selected management group

Compliance state: Non-compliant (Red)

Overall resource compliance: 8% (1 out of 12)

Resources by compliance state:

- 1 - Compliant: 1
- 0 - Exempt: 0
- 11 - Non-compliant: 11

Non-compliant policies: 8 out of 12

Policies Non-compliant resources Events

Name	Effect Type	Compliance state	Non-Compliant Resources	Total resources
Require a tag on resource groups	Deny	Non-compliant	9	10
Require a tag on resource groups	Deny	Non-compliant	9	10
Require a tag on resource groups	Deny	Non-compliant	9	10
Require a tag on resource groups	Deny	Non-compliant	9	10
Require a tag on resources	Deny	Non-compliant	2	2
Require a tag on resources	Deny	Non-compliant	2	2
Require a tag on resources	Deny	Non-compliant	2	2
Require a tag on resources	Deny	Non-compliant	2	2
Inherit a tag from the resource group if missing	Modify	Compliant	0	2
Inherit a tag from the resource group	Modify	Compliant	0	2
Inherit a tag from the resource group	Modify	Compliant	0	2
Inherit a tag from the resource group	Modify	Compliant	0	2

Filter by policy name or definition ID... All compliance states

Require a tag on resource groups - Microsoft Azure

Home > Management groups > Augp Workshop > Policy > Aug Tag Requirements > Require a tag on resource groups

Policy compliance

View definition Edit assignment Assign to another scope Delete assignment Create Remediation Task Create exemption

Selected Scopes: 1 selected management group

Compliance state: Non-compliant (Red)

Overall resource compliance: 10% (1 out of 10)

Resources by compliance state:

- 1 - Compliant: 1
- 0 - Exempt: 0
- 9 - Non-compliant: 9

Details

Effect Type: Deny

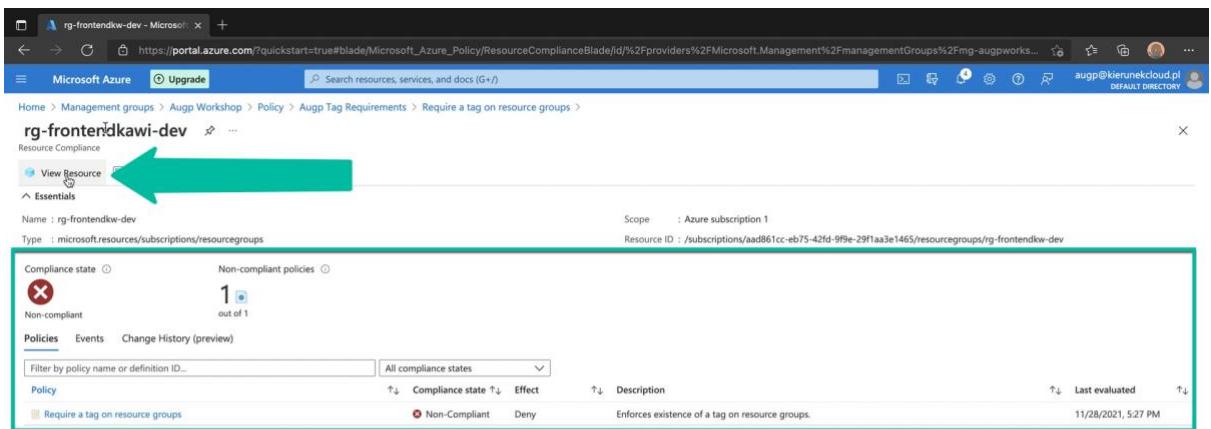
Parent Initiative: Aug Tag Requirements

Resource compliance Events

Name	Compliance state	Compliance reason	Resource Type	Location	Scope	Last evaluated
rg-frontendkw-dev	Non-compliant	Details	microsoft.resources/subs...	West Europe	Azure subscription 1/rg-frontendkw-dev	11/28/2021, 5:27 PM
defaultresourcegroup-neu	Non-compliant	Details	microsoft.resources/subs...	North Europe	Azure subscription 1/defaultresourcegroup-neu	11/28/2021, 5:27 PM
rg-frontendkw-prod	Non-compliant	Details	microsoft.resources/subs...	West Europe	Azure subscription 1/rg-frontendkw-prod	11/28/2021, 5:27 PM
rg-frontendkawi-dev	Non-compliant	Details	microsoft.resources/subs...	West Europe	Azure subscription 1/rg-frontendkawi-dev	11/28/2021, 5:27 PM
rg-frontendkw-shared	Non-compliant	Details	microsoft.resources/subs...	West Europe	Azure subscription 1/rg-frontendkw-shared	11/28/2021, 5:27 PM
networkwatcherrg	Non-compliant	Details	microsoft.resources/subs...	West Europe	Azure subscription 1/networkwatcherrg	11/28/2021, 5:27 PM
rg-devopsagents-shared	Non-compliant	Details	microsoft.resources/subs...	West Europe	Azure subscription 1/rg-devopsagents-shared	11/28/2021, 5:27 PM
rg-frontendkawi-prod	Non-compliant	Details	microsoft.resources/subs...	West Europe	Azure subscription 1/rg-frontendkawi-prod	11/28/2021, 5:27 PM
rg-frontendkawi-shared	Non-compliant	Details	microsoft.resources/subs...	West Europe	Azure subscription 1/rg-frontendkawi-shared	11/28/2021, 5:27 PM

Filter by resource name or ID... Non-compliant All resource types All locations

7. Przetestuj automatyczne dziedziczenie.



rg-frontendkwi-dev - Microsoft Azure

Home > Management groups > Augp Workshop > Policy > Augp Tag Requirements > Require a tag on resource groups >

rg-frontendkwi-dev

Resource Compliance

Name : rg-frontendkwi-dev

Type : microsoft.resources/subscriptions/resourcegroups

Scope : Azure subscription 1

Resource ID : /subscriptions/aad861cc-eb75-42fd-9f9e-29f1aa3e1465/resourcegroups/rg-frontendkwi-dev

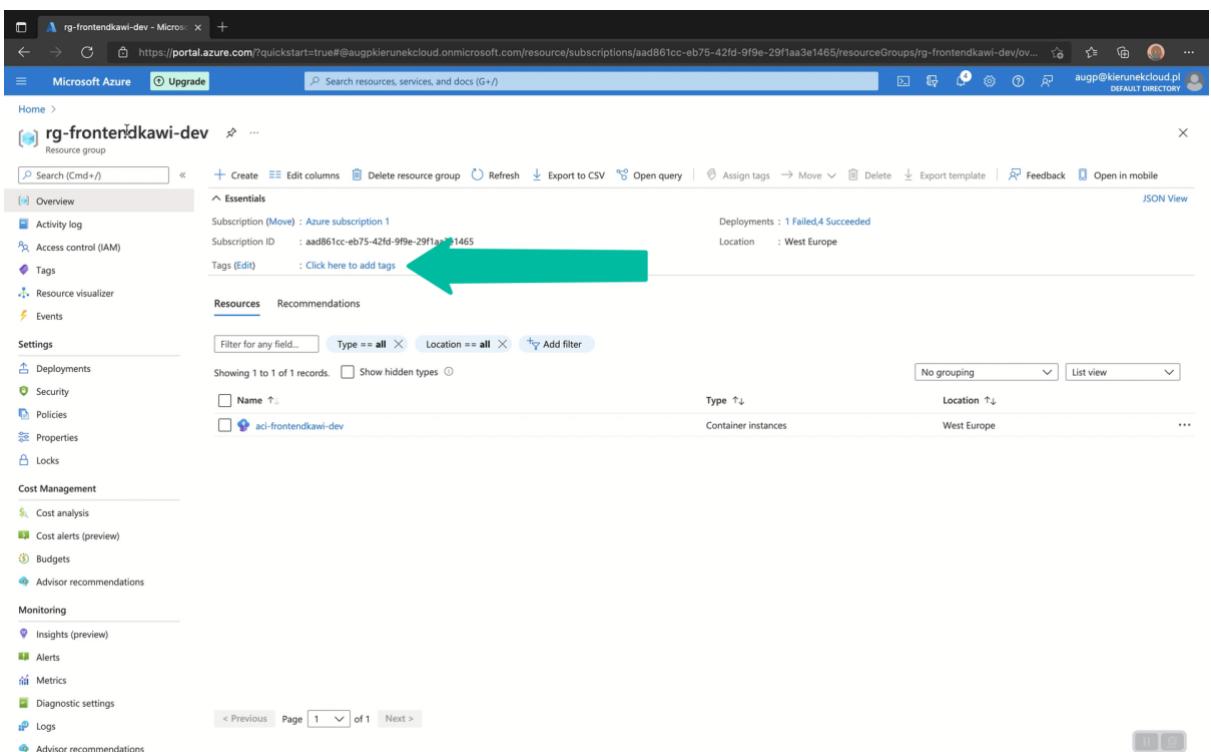
Compliance state : Non-compliant

Non-compliant policies : 1 out of 1

Policies Events Change History (preview)

Filter by policy name or definition ID... All compliance states

Policy	Compliance state	Effect	Description	Last evaluated
Require a tag on resource groups	Non-Compliant	Deny	Enforces existence of a tag on resource groups.	11/28/2021, 5:27 PM



rg-frontendkwi-dev - Microsoft Azure

Home >

rg-frontendkwi-dev

Resource group

Overview

Activity log

Access control (IAM)

Tags

Resource visualizer

Events

Settings

Deployments

Security

Policies

Properties

Locks

Cost Management

Cost analysis

Cost alerts (preview)

Budgets

Advisory recommendations

Monitoring

Insights (preview)

Alerts

Metrics

Diagnostic settings

Logs

Advisor recommendations

Search (Cmd +/)

Create Edit columns Delete resource group Refresh Export to CSV Open query Assign tags Move Delete Export template Feedback Open in mobile JSON View

Subscription (Move) : Azure subscription 1

Subscription ID : aad861cc-eb75-42fd-9f9e-29f1aa3e1465

Tags (Edit) : Click here to add tags

Deployments : 1 Failed 4 Succeeded

Location : West Europe

Resources Recommendations

Filter for any field... Type == all Location == all Add filter

Showing 1 to 1 of 1 records. Show hidden types

Name	Type	Container instances	Location
ad-frontendkwi-dev			West Europe

rg-frontendkawi-dev - Microsoft Azure

Home > rg-frontendkawi-dev

Resource group

Overview

Activity log

Access control (IAM)

Tags

Resource visualizer

Events

Settings

- Deployments
- Security
- Policies
- Properties
- Locks

Cost Management

- Cost analysis
- Cost alerts (preview)
- Budgets
- Advisor recommendations

Monitoring

- Insights (preview)
- Alerts
- Metrics
- Diagnostic settings
- Logs
- Advisor recommendations

Subscription (Move) : Azure subscription 1

Subscription ID : aad861cc-eb75-42fd-9f9e-29f1aa3e1465

Deployments : 1 Failed, 4 Succeeded

Location : West Europe

Search (Cmd + /) Create Edit columns Delete resource group Refresh Export to CSV Open query Assign tags Move Delete Export template Feedback Open in mobile JSON View

Resources Recommendations

Filter for any field... Type == all Location == all Add filter

Showing 1 to 1 of 1 records. Show hidden types

Name ↑	Type ↑	Container instances	Location ↑
aci-frontendkawi-dev			West Europe

< Previous Page 1 of 1 Next >

rg-frontendkawi-dev - Microsoft Azure

Home > rg-frontendkawi-dev

rg-frontendkawi-dev | Tags

Resource group

Overview

Activity log

Access control (IAM)

Tags

Resource visualizer

Events

Settings

- Deployments
- Security
- Policies
- Properties
- Locks

Cost Management

- Cost analysis
- Cost alerts (preview)
- Budgets
- Advisor recommendations

Monitoring

- Insights (preview)
- Alerts
- Metrics
- Diagnostic settings
- Logs
- Advisor recommendations

Tags are name/value pairs that enable you to categorize resources and view consolidated billing by applying the same tag to multiple resources and resource groups. Tag names are case insensitive, but tag values are case sensitive. [Learn more about tags](#)

Do not enter names or values that could make your resources less secure or that contain personal/sensitive information because tag data will be replicated globally.

Name Value

rg-frontendkawi-dev (Resource group)
No changes

Apply Discard changes

Screenshot of the Microsoft Azure portal showing the 'rg-frontendkawi-dev | Tags' page for a Resource group. The 'Tags' section displays four existing tags: costCenter (value: 456), environment (value: dev), owner (value: ama@aupg.com), and workload (value: frontendkawi). A new tag 'workload' has been added with the value 'frontendkawi'. A large green arrow points from the 'Apply' button at the bottom left towards the 'Discard changes' button at the bottom right.

Tags

Name	Value
costCenter	: 456
environment	: dev
owner	: ama@aupg.com
workload	: frontendkawi

rg-frontendkawi-dev (Resource group)
4 to be added

Apply

Screenshot of the Microsoft Azure portal showing the 'rg-frontendkawi-dev | Tags' page for a Resource group. The 'Tags' section displays four existing tags: costCenter (value: 456), environment (value: dev), owner (value: ama@aupg.com), and workload (value: frontendkawi). A message box at the bottom indicates 'No changes'. A large green arrow points from the 'Discard changes' button at the bottom right towards the 'Apply' button at the bottom left.

Tags

Name	Value
costCenter	: 456
environment	: dev
owner	: ama@aupg.com
workload	: frontendkawi

rg-frontendkawi-dev (Resource group)
costCenter : 456 environment : dev owner : ama@aupg.com workload : frontendkawi
No changes

Apply Discard changes

Screenshot of the Microsoft Azure portal showing the 'rg-frontendkawi-dev' resource group overview. The 'Essentials' section displays basic information: Subscription (Move) : Azure subscription 1, Subscription ID : aad861cc-eb75-42fd-9f9e-29f1aa3e1465, Deployments : 1 Failed, 4 Succeeded, Location : West Europe. A red arrow points to the '+ Create' button. The 'Resources' section shows one item: 'aci-frontendkawi-dev' (Container instances). The left sidebar includes sections for Overview, Activity log, Access control (IAM), Tags, Resource visualizer, Events, Settings (Deployments, Security, Policies, Properties, Locks), Cost Management (Cost analysis, Cost alerts (preview), Budgets, Advisor recommendations), and Monitoring (Insights (preview), Alerts, Metrics, Diagnostic settings, Logs, Advisor recommendations).

Screenshot of the Microsoft Azure portal showing the 'rg-frontendkawi-dev' resource group overview. The 'Essentials' section displays basic information: Subscription (Move) : Azure subscription 1, Subscription ID : aad861cc-eb75-42fd-9f9e-29f1aa3e1465, Deployments : 1 Failed, 4 Succeeded, Location : West Europe. A large green arrow points to the '+ Create' button. The 'Resources' section shows one item: 'aci-frontendkawi-dev' (Container instances). The left sidebar includes sections for Overview, Activity log, Access control (IAM), Tags, Resource visualizer, Events, Settings (Deployments, Security, Policies, Properties, Locks), Cost Management (Cost analysis, Cost alerts (preview), Budgets, Advisor recommendations), and Monitoring (Insights (preview), Alerts, Metrics, Diagnostic settings, Logs, Advisor recommendations).

Create a resource

Get started

Recently created

Categories

- AI + Machine Learning
- Analytics
- Blockchain
- Compute
- Containers
- Databases
- Developer Tools
- DevOps
- Identity
- Integration
- Internet of Things
- IT & Management Tools
- Media
- Migration
- Mixed Reality
- Monitoring & Diagnostics
- Networking
- Security
- Storage
- Web

storage

Pure Cloud Block Store™ (subscription)

Pure Cloud Block Store™ (Product Deployment)

Enterprise File Fabric

M365 Workplace Cloud Storage | Easy Intune St...

Storage Resource Monitor

Web App

SQL Database

Function App

Azure Cosmos DB

Kubernetes Service

DevOps Starter

Storage account

Marketplace

Get Started

Service Providers

Management

Private Marketplace

My Marketplace

Favorites

Recently created

Categories

- AI + Machine Learning
- Analytics
- Blockchain
- Compute
- Containers
- Databases
- Developer Tools
- DevOps
- Identity
- Integration
- Internet of Things
- IT & Management Tools
- Media
- Migration

storage

No results were found.

Pricing : All × Operating System : All × Publisher Type : All × Product Type : All × Publisher name : All ×

Showing 1 to 20 of 1000 results.

Storage account	Data Lake Storage Gen1	Azure Blob Storage on IoT Edge	Nasuni Cloud File Storage	MinIO Blob Storage Gateway (S3 API)	SoftNAS - High Performance NFS/CIFS/iSCSI Storage
Microsoft Virtual Machine Use Blobs, Tables, Queues, Files, and Data Lake Gen 2 for reliable, economical cloud storage. Create ▾	Microsoft Azure Service Hyper-scale repository for big data analytic workloads Create ▾	Microsoft IoT Edge Modules Azure consistent block blob storage on IoT Edge Create ▾	Nasuni Corporation SaaS Nasuni simplifies enterprise file infrastructure Software plan starts at \$50,000/year Set up + subscribe ▾	Minio, Inc Apache Application MinIO Gateway provides Amazon S3 compatible API for objects stored in Azure Blob Storage. Software plan starts at Free Create ▾	Burst Virtual Machine Cloud NAS that provides storage performance, security, HA, and support for NFS, CIFS/SMB-AD, iSCSI. Software plan starts at \$0.21/hour Create ▾
NetApp Virtual Machine Optimize cloud storage costs while enhancing data management, data protection, and security Software plan starts at \$0.75/hour Create ▾	NetApp Cloud Volumes ONTAP - Cloud Storage NetApp Virtual Machine Optimize cloud storage costs while enhancing data management, data protection, and security Software plan starts at \$0.06/hour Create ▾	Thorn Technologies LLC Virtual Machine Pre-configured SFTP server that transfers files to Blob Storage. Price varies Create ▾	SoloWinds Azure Application Multi-vendor storage resource performance, capacity and hardware status monitoring Software plan starts at \$0.03/hour Create ▾	FileMage LLC Virtual Machine FileMage Gateway is an FTP and SFTP server backed by Azure Blob Storage. Software plan starts at \$0.04/hour Create ▾	Pure Storage, Inc. SaaS Pure Cloud Block Store™ (subscription) Pure Cloud Block Store™ is a software defined storage with common data plane across hybrid Software plan starts at \$0.12/month Set up + subscribe ▾

Is Marketplace helpful?

Screenshot of the Azure Storage Account creation page under 'Basics' tab.

Project details

Select the subscription in which to create the new storage account. Choose a new or existing resource group to organize and manage your storage account together with other resources.

Subscription: Azure subscription 1
Resource group: rg-frontendkawi-dev (highlighted by a green arrow)

Instance details

If you need to create a legacy storage account type, please click here.

Storage account name: stfrontendkawi1
Region: (Europe) West Europe (highlighted by a green arrow)

Performance: Standard: Recommended for most scenarios (general-purpose v2 account)
Redundancy: Geo-redundant storage (GRS)
 Make read access to data available in the event of regional unavailability.

Review + create (highlighted by a green arrow)

Screenshot of the Azure Storage Account creation page under 'Review + create' tab.

Validation passed

Basics

Subscription	Azure subscription 1
Resource Group	rg-frontendkawi-dev
Location	westeurope
Storage account name	stfrontendkawi1
Deployment model	Resource manager
Performance	Standard
Replication	Read-access geo-redundant storage (RA-GRS)

Advanced

Secure transfer	Enabled
Allow storage account key access	Enabled
Allow cross-tenant replication	Enabled
Default to Azure Active Directory authorization in the Azure portal	Disabled
Infrastructure encryption	Disabled
Blob public access	Enabled
Minimum TLS version	Version 1.2
Enable hierarchical namespace	Disabled
Enable network file system v3	Disabled
Access tier	Hot
Enable SFTP	Disabled
Large file shares	Disabled

Create (highlighted by a green arrow)

The screenshot shows the Microsoft Azure portal interface for a deployment named "stfrontendkawi1_1638122933369". The main content area displays a message: "Deployment is in progress". Below this, deployment details are listed:

Resource	Type	Status
stfrontendkawi1	Microsoft.Storage/storageAccounts	Accepted

On the right side of the portal, there is a sidebar with the title "Operation details" and a link "Operation details".

The screenshot shows the Microsoft Azure portal interface for the same deployment, now in a completed state. The main content area displays a message: "Your deployment is complete". Below this, deployment details are listed:

Resource	Type	Status
stfrontendkawi1	Microsoft.Storage/storageAccounts	Accepted

On the right side of the portal, there is a sidebar with sections for "Deployment succeeded", "Microsoft Defender for Cloud", "Free Microsoft tutorials", and "Work with an expert". A large green arrow points from the bottom left towards the "Go to resource" button.

Microsoft Azure | Upgrade

Search resources, services, and docs (G+)

stfrontendkawi1 - Microsoft Azure

Storage account

Overview

Activity log

Tags

Diagnose and solve problems

Access Control (IAM)

Data migration

Events

Storage browser (preview)

Data storage

Containers

File shares

Queues

Tables

Security + networking

Networking

Azure CDN

Access keys

Shared access signature

Encryption

Security

Data management

Geo-replication

Data protection

Object replication

Microsoft recommends upgrading to the new alerts platform to ensure no interruptions in your alerts. Classic alerts will be retired starting in 2021. Upgrade to the new alerts platform. [Learn more](#)

Resource group (move) : rg-frontendkawi-dev

Location : West Europe

Primary/Secondary Location : Primary: West Europe, Secondary: North Europe

Subscription (move) : Azure subscription 1

Subscription ID : aad861cc-eb75-42fd-9f9e-29f1aa3e1465

Disk state : Primary: Available, Secondary: Available

Tags (edit) : costCenter : 456 environment : dev owner : ama@augp.com workload : frontendkawi

Properties Monitoring Capabilities (7) Recommendations Tutorials Developer Tools

Blob service

Hierarchical namespace : Disabled

Default access tier : Hot

Blob public access : Enabled

Blob soft delete : Enabled (7 days)

Container soft delete : Enabled (7 days)

Versioning : Disabled

Change feed : Disabled

Allow cross-tenant replication : Enabled

File service

Large file share : Disabled

Active Directory : Not configured

Soft delete : Enabled (7 days)

Share capacity : 5 TiB

Security

Require secure transfer for REST API operations : Enabled

Storage account key access : Enabled

Minimum TLS version : Version 1.2

Infrastructure encryption : Disabled

Networking

Allow access from : All networks

Number of private endpoint connections : 0

Network routing : Microsoft network routing

Access for trusted Microsoft services : Yes

JSON View

costCenter : 456 environment : dev owner : ama@augp.com workload : frontendkawi

No changes

Microsoft Azure | Upgrade

Search resources, services, and docs (G+)

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Tags are name/value pairs that enable you to categorize resources and view consolidated billing by applying the same tag to multiple resources and resource groups. Tag names are case insensitive, but tag values are case sensitive. [Learn more about tags](#)

values that could make your resources less secure or that contain personal/sensitive information because tag data will be replicated globally.

Name	Value
costCenter	: 456
environment	: dev
owner	: ama@augp.com
workload	: frontendkawi

stfrontendkawi1 (Storage account)

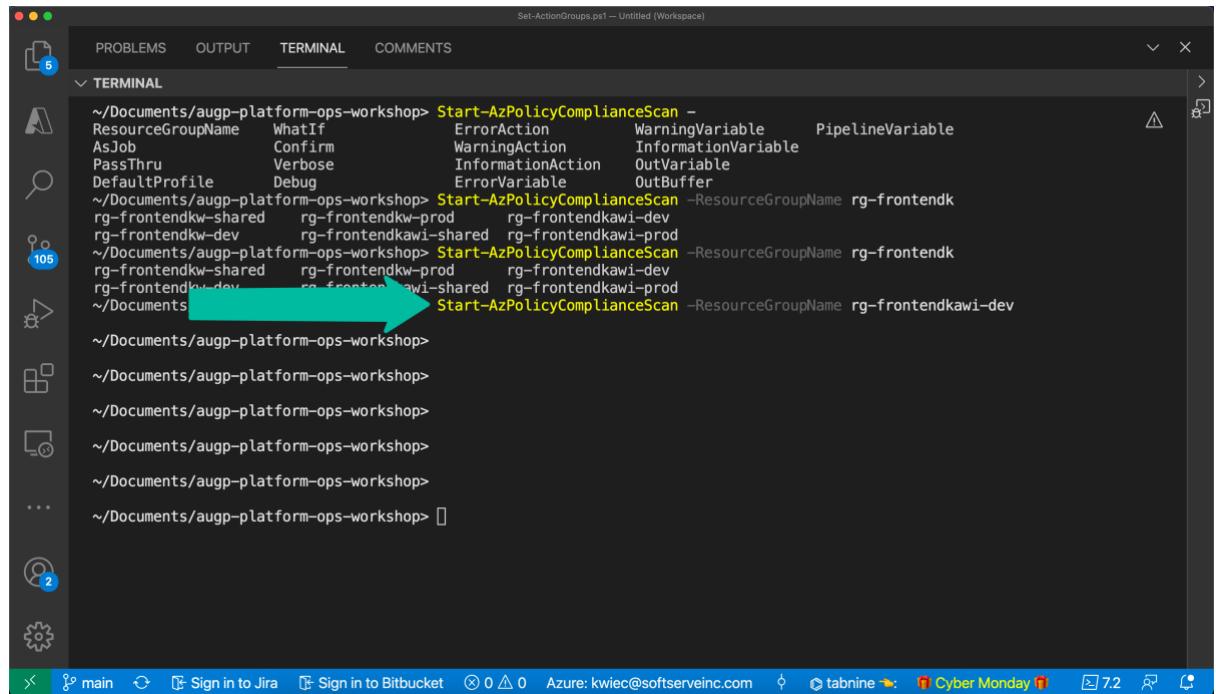
costCenter : 456 environment : dev owner : ama@augp.com workload : frontendkawi

No changes

Apply Discard changes

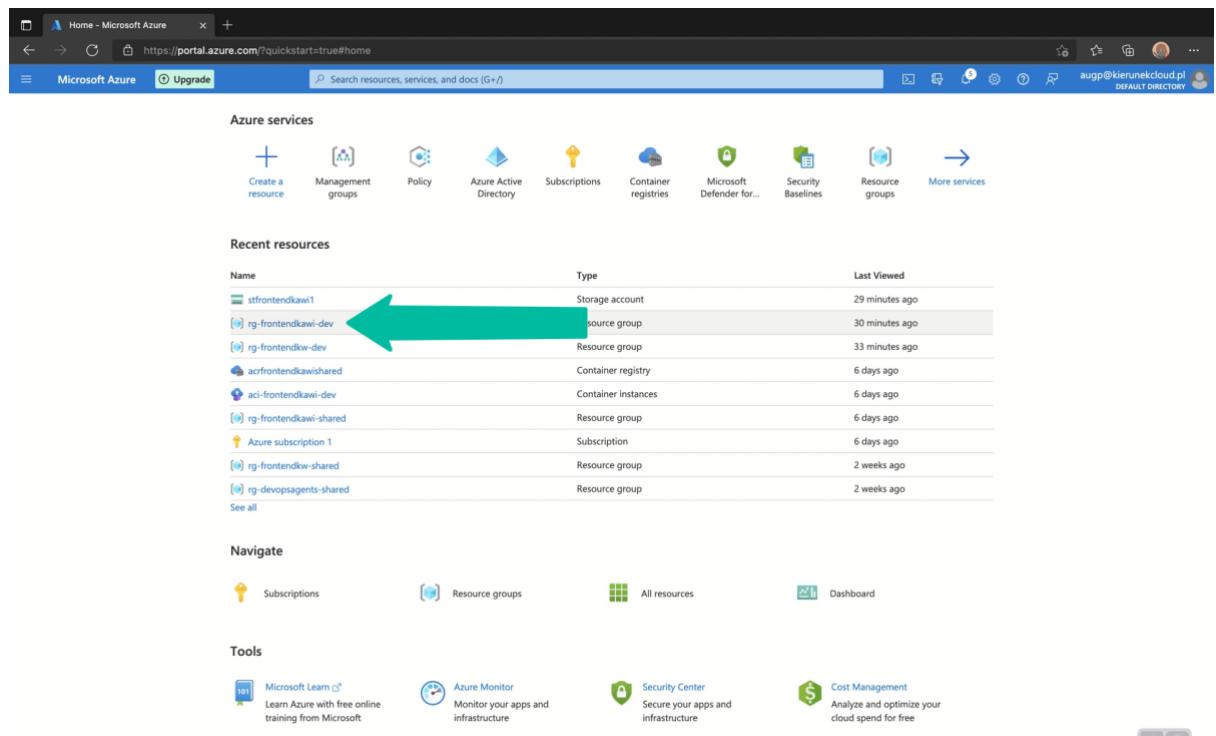
8. Wymuś ponowny skan compliance w jednej z RG.

```
Start-AzPolicyComplianceScan -ResourceGroupName rg-frontendkawi-dev
```



```
~/Documents/augp-platform-ops-workshop> Start-AzPolicyComplianceScan -ResourceGroupName rg-frontendkawi-dev
~/Documents/augp-platform-ops-workshop> Start-AzPolicyComplianceScan -ResourceGroupName rg-frontendkawi-dev
~/Documents/augp-platform-ops-workshop> Start-AzPolicyComplianceScan -ResourceGroupName rg-frontendkawi-dev
~/Documents/augp-platform-ops-workshop> Start-AzPolicyComplianceScan -ResourceGroupName rg-frontendkawi-dev
~/Documents/augp-platform-ops-workshop>
```

Zweryfuj aktualny stan compliance.



Recent resources

Name	Type	Last Viewed
stfrontendkawi1	Storage account	29 minutes ago
rg-frontendkawi-dev	Resource group	30 minutes ago
rg-frontendkwi-dev	Resource group	33 minutes ago
scrfrontendkawishared	Container registry	6 days ago
aci-frontendkawi-dev	Container instances	6 days ago
rg-frontendkawi-shared	Resource group	6 days ago
Azure subscription 1	Subscription	6 days ago
rg-frontendkw-shared	Resource group	2 weeks ago
rg-devopsgents-shared	Resource group	2 weeks ago

Screenshot of the Microsoft Azure portal showing the 'rg-frontendkawi-dev' resource group details. A green arrow points from the left towards the 'Policies' section.

Resource group details:

- Subscription: subscription 1
- Description: rg-frontendkawi-dev
- Tags: costCenter: 456, environment: dev, owner: ama@augp.com, workload: frontendkawi
- Location: West Europe
- Deployments: 1 Failed, 5 Succeeded

Policies:

- Subscription ID: aad861cc-eb75-42fd-9f9e-29f1aa3e1465
- Tags (Edit): costCenter: 456, environment: dev, owner: ama@augp.com, workload: frontendkawi

Resources:

Name	Type	Location	Container instances	Storage account
aci-frontendkawi-dev	Container instance	West Europe		
sfrontendkawi1	Storage account	West Europe		

Page Navigation:

- < Previous
- Page 1 of 1
- Next >

Screenshot of the Microsoft Azure portal showing the 'Policy | Compliance' blade for the 'rg-frontendkawi-dev' resource group. A green arrow points from the left towards the compliance summary table.

Compliance Summary:

- Overall resource compliance: 33% (1 out of 3)
- Resources by compliance state:
 - 1 - Compliant: 3
 - 0 - Exempt: 0
 - 2 - Non-compliant: 2
- Non-compliant initiatives: 2 out of 2
- Non-compliant policies: 11 out of 219

Name	Scope	Compliance state	Resource compliance	Non-Compliant Resources	Non-compliant policies
Augp Tag Requirements	Azure subscription 1	compliant	67% (2 out of 3)	1	8
ASC Default (subscription: aad861cc-eb75-42fd-9f9e-29f1aa3e1465)	Azure subscription 1	Non-compliant	0% (0 out of 1)	1	3

A screenshot of the Microsoft Azure portal showing the 'Aug Tag Requirements' policy blade. The page displays compliance statistics: Overall resource compliance is 67% (2 out of 3), with 3 resources. There are 8 non-compliant policies out of 12. A green arrow points from the 'Non-compliant resources' tab to the table below.

Compliance state: Non-compliant

Overall resource compliance: 67% (2 out of 3)

Resources by compliance state:

- 2 - Compliant
- 0 - Exempt
- 1 - Non-compliant

Non-compliant policies: 8 out of 12

Non-compliant resources

Name	Parent Resource	Resource Type	Location	Scope
aci-frontendkawi-dev	resourcegroups/r-frontendkawi-dev	microsoft.containerinstance/containergroups	West Europe	Azure subscription 1/rg-frontendkawi-dev