



Understanding Roles & Permissions in Microsoft Sentinel

Microsoft Sentinel RBAC
ensures least-privilege access
and clear separation of duties.



Role Overview (Microsoft Docs Table)

- Sentinel includes 5 built-in roles for least-privilege access.
- roles table: Reader, Responder, Contributor, Playbook Operator, Automation Contributor.

Role	SIEM support	Data lake support
Microsoft Sentinel Reader	View data, incidents, workbooks, and other resources	Access advanced analytics and run interactive queries on workspaces only.
Microsoft Sentinel Responder	All Reader permissions, plus manage incidents	N/A
Microsoft Sentinel Contributor	All Responder permissions, plus install/update solutions, create/edit resources	Access advanced analytics and run interactive queries on workspaces only.
Microsoft Sentinel Playbook Operator	List, view, and manually run playbooks	N/A
Microsoft Sentinel Automation Contributor	Allows Microsoft Sentinel to add playbooks to automation rules. Not used for user accounts.	N/A

IAM Overview

- Roles are managed via Access Control (IAM) in the resource group.
- RG-Sentinel Access Control IAM.

RG-Sentinel | Access control (IAM) ☆ ...

Resource group

Search Add Download role assignments Edit columns Refresh Delete Feedback

Overview Activity log Access control (IAM) Tags Resource visualizer Events Settings Cost Management Cost analysis Cost alerts (preview) Budgets Advisor recommendations Monitoring Automation Help

Check access Role assignments Roles Deny assignments Classic administrators

Looking for the previous check access view? [Click here.](#)

Check access
Review the level of access a user, group, service principal, or managed identity has to this resource. [Learn more](#)

Check access

Perparim Abdullahu Assignments

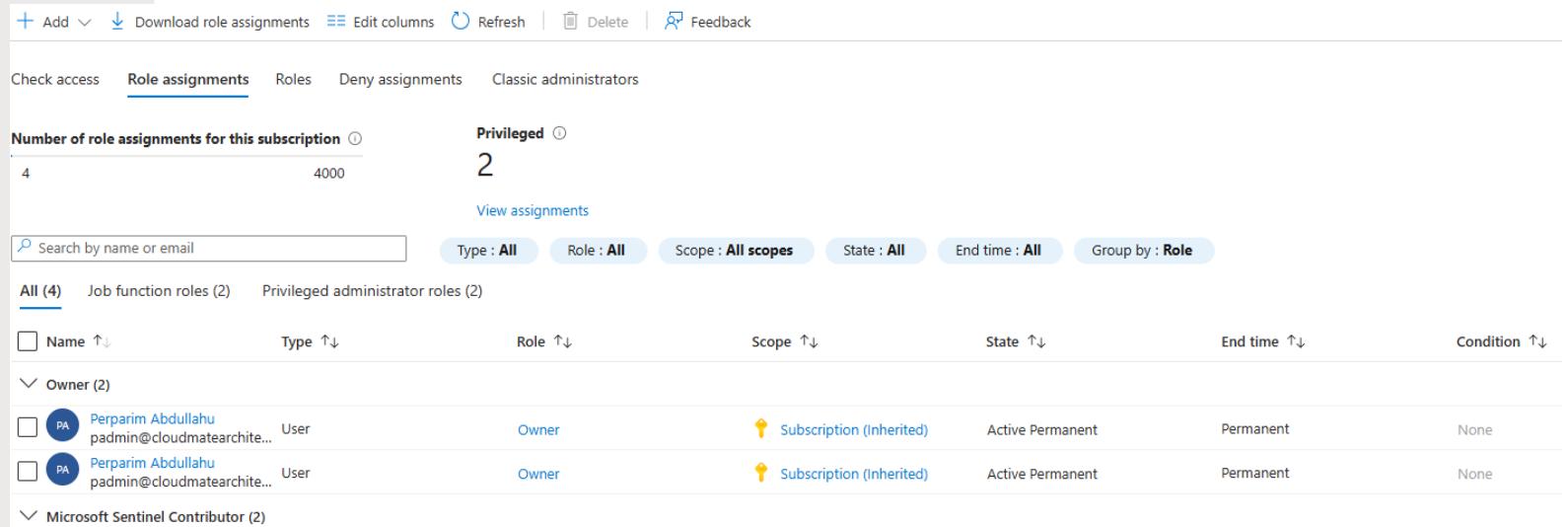
Active	Eligible	Deny
2	0	0

Search by role name or membership

Role Name ↑	Scope ↑	Membership ↑↓
Active permanent assignments (2)		
Owner	Subscription (Inherited)	Perparim Abdullahu
Owner	Subscription (Inherited)	Perparim Abdullahu
Active time-bound assignments (0)		
Eligible permanent assignments (0)		
Eligible time-bound assignments (0)		
Deny assignments (0)		

Current Assignments

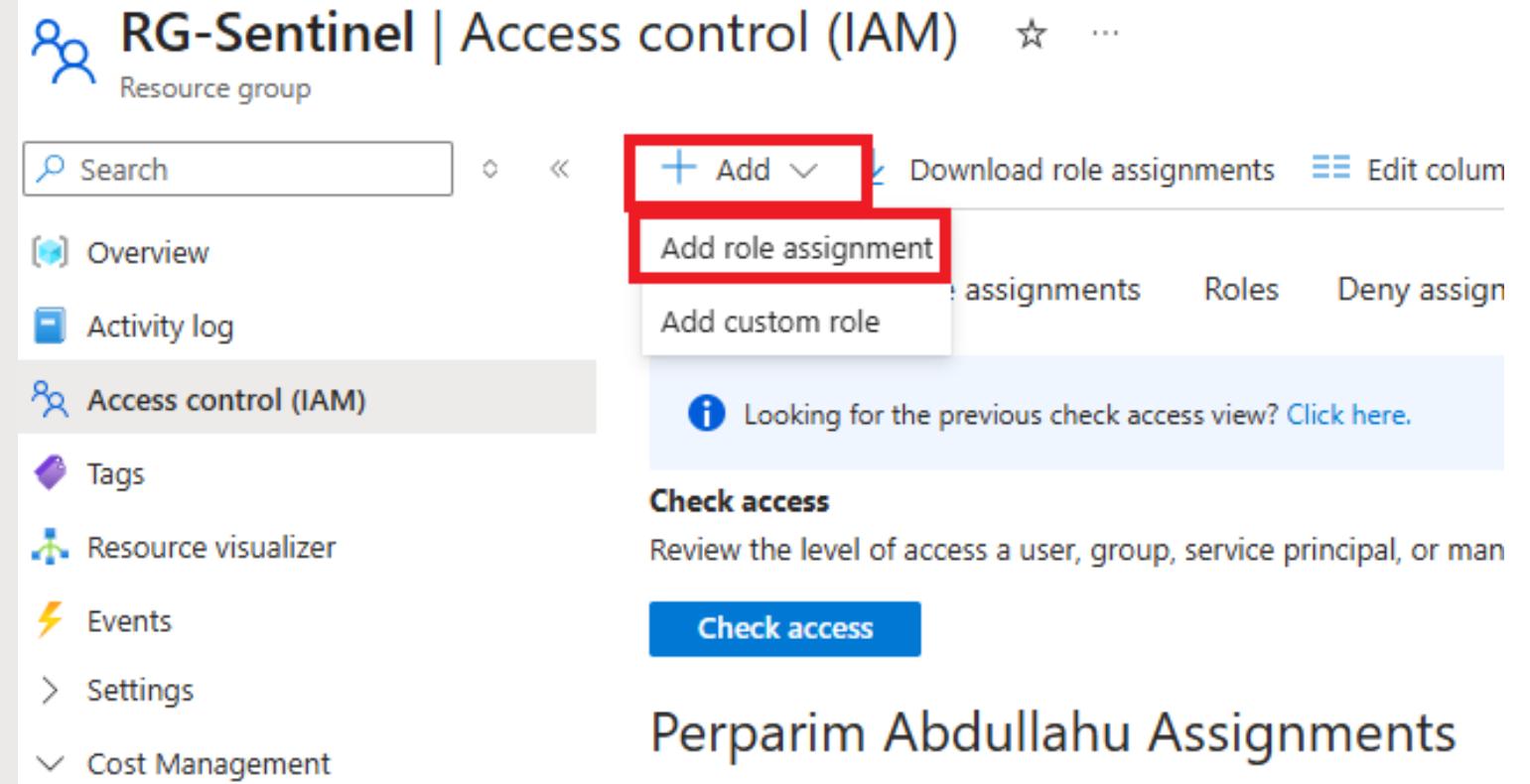
- Azure RBAC
Owner/Contributor may
override Sentinel roles.
- role assignments list with
Owner + Contributor.



	Name ↑↓	Type ↑↓	Role ↑↓	Scope ↑↓	State ↑↓	End time ↑↓	Condition ↑↓
All (4) Job function roles (2) Privileged administrator roles (2)							
<input type="checkbox"/>	PA Perparim Abdullahu padmin@cloudmatearchite...	User	Owner	Subscription (Inherited)	Active Permanent	Permanent	None
<input type="checkbox"/>	PA Perparim Abdullahu padmin@cloudmatearchite...	User	Owner	Subscription (Inherited)	Active Permanent	Permanent	None
Microsoft Sentinel Contributor (2)							

Add Role Assignment

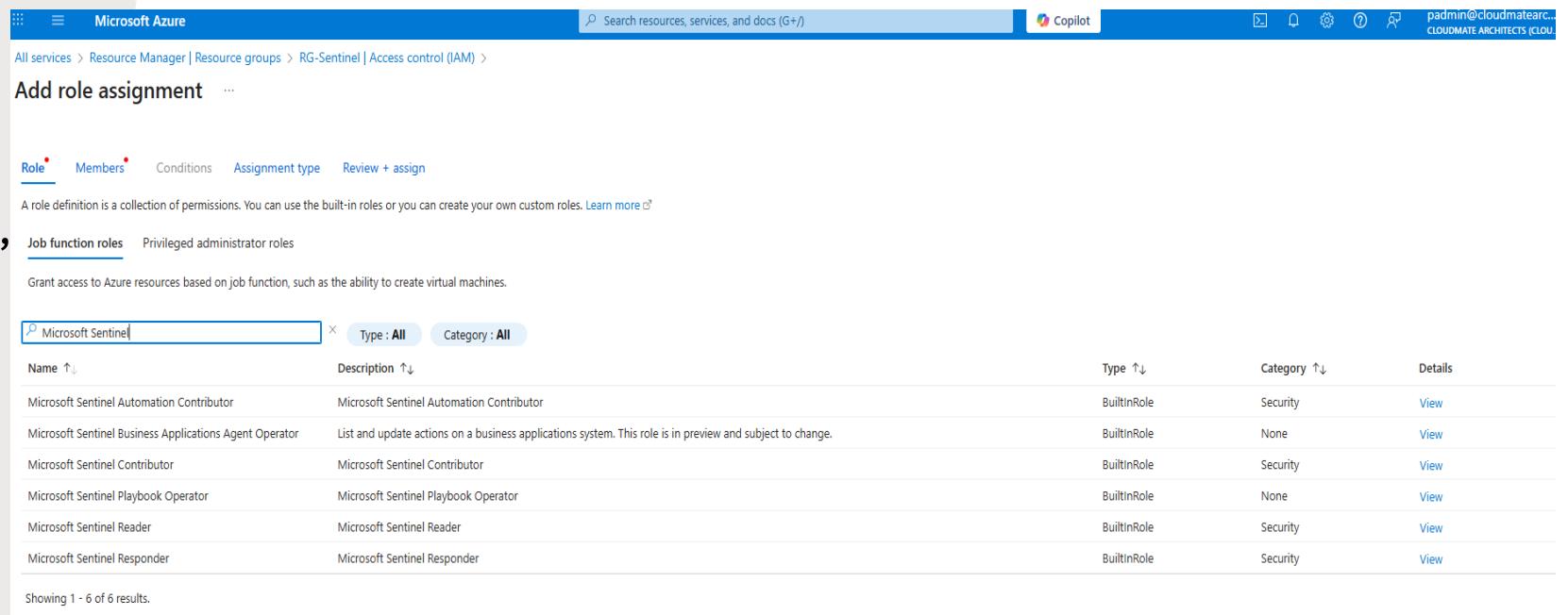
- Assign Sentinel roles through IAM.
- Add → Role assignment.



The screenshot shows the 'RG-Sentinel | Access control (IAM)' blade in the Azure portal. The 'Access control (IAM)' section is selected in the left sidebar. At the top, there is a search bar and a 'Add' button with a dropdown menu. The 'Add role assignment' option is highlighted with a red box. Below the search bar, there are links for 'Overview', 'Activity log', 'Tags', 'Resource visualizer', 'Events', 'Settings', and 'Cost Management'. The 'Check access' section contains a 'Check access' button and a note about previous check access views. At the bottom, it says 'Perparim Abdullahu Assignments'.

Filtering Sentinel Roles

- Filter to view all Sentinel roles available.
- search ‘Microsoft Sentinel’, roles appear.



Name	Description	Type	Category	Details
Microsoft Sentinel Automation Contributor	Microsoft Sentinel Automation Contributor	BuiltInRole	Security	View
Microsoft Sentinel Business Applications Agent Operator	List and update actions on a business applications system. This role is in preview and subject to change.	BuiltInRole	None	View
Microsoft Sentinel Contributor	Microsoft Sentinel Contributor	BuiltInRole	Security	View
Microsoft Sentinel Playbook Operator	Microsoft Sentinel Playbook Operator	BuiltInRole	None	View
Microsoft Sentinel Reader	Microsoft Sentinel Reader	BuiltInRole	Security	View
Microsoft Sentinel Responder	Microsoft Sentinel Responder	BuiltInRole	Security	View

Role Permissions Detail

- Each role grants specific actions. Example: Contributor can create rules and workbooks.
- *Sentinel Contributor permissions list.*

Microsoft Sentinel Contributor
BuiltInRole

[Permissions](#) [JSON](#) [Assignments](#)

Description: Microsoft Sentinel Contributor

Search permissions

Type : All

Permission Type
 Actions DataActions

Showing 500 of 1100 permissions [View all](#) (will take a moment to load)

Type	Permissions	Description
Read	Acquire policy token operation ⓘ	Acquire a policy token at the specified scope.
Read	Get administrator ⓘ	Reads the administrators for the subscription.
Read	Get administrator operation statuses ⓘ	Gets the administrator operation statuses of the subscription.
Read	Get deny assignment ⓘ	Get information about a deny assignment.
Read	Read the information about diagnostic settings categories ⓘ	Get the information about diagnostic settings categories
Read	Get information about diagnostics settings ⓘ	Read the information about diagnostics settings
Read	Get Role eligibility schedule instance ⓘ	Gets the role eligibility schedule instances at given scope.
Read	Get management locks ⓘ	Gets locks at the specified scope.
Read	Get operations ⓘ	Gets the list of operations
Read	List permissions ⓘ	Lists all the permissions the caller has at a given scope.
Read	Get policy assignment ⓘ	Get information about a policy assignment.
Read	Get Private Link Association ⓘ	Get information about private link association.
Read	Get Resource Management Private Link ⓘ	Get information about resource management private link.
Read	Get Private Endpoint Connection ⓘ	Get information about private endpoint connection.
Read	Get Private Endpoint Connection Proxy ⓘ	Get information about private endpoint connection proxy.

Assigning to User

- Assign a role to a user or group with defined scope.
- Review + assign with member selected.

Add role assignment

Role Members Conditions Assignment type Review + assign

Role Microsoft Sentinel Contributor

Scope

Members Name

Austin Williams

Description No description

Assignment type Eligible

Assignment duration Time bound

Start date and time

End date and time

 Users with eligible and/or time-bound assignments must have a valid license.

Confirmation

- Assignment confirmed. User now has Sentinel Contributor role.
- IAM showing Owner + Contributor + new user.

RG-Sentinel | Access control (IAM)

Name	Type	Role	Scope	State
Perparim Abdullahu padmin@cloudmatearchite...	User	Owner	Subscription (Inherited)	Active Permanent
Perparim Abdullahu padmin@cloudmatearchite...	User	Owner	Subscription (Inherited)	Active Permanent
Austin Williams austin.williams@cloudmate...	User	Microsoft Sentinel Contributor	This resource	Eligible time-bound

Key Takeaway



- ✓ Reader = view only
- ✓ Responder = manage incidents
- ✓ Contributor = build & manage
- ✓ Automation roles = playbooks & services”

