

This table describes each role can do and whether that role is eligible for

Built-in role	Description	PEC Eligible
Owner	Allows you to manage everything, including access to resources.	Yes
Contributor	Allows you to manage everything except granting access to resources.	Yes
Reader	Allows you to view everything, but not make any changes.	No
AcrDelete	acr delete	Yes
AcrImageSigner	acr image signer	Yes
AcrPull	acr pull	Yes
AcrPush	acr push	Yes
AcrQuarantineReader	acr quarantine data reader	No
AcrQuarantineWriter	acr quarantine data writer	Yes
API Management Service Contributor	Can manage service and the APIs	Yes
API Management Service Operator Role	Can manage service but not the APIs	Yes
API Management Service Reader Role	Read-only access to service and APIs	No
Application Insights Component Contributor	Can manage Application Insights components	Yes
Application Insights Snapshot Debugger	Gives user permission to view and download debug snapshots collected with the Application Insights Snapshot Debugger. Note that these permissions are not included in the Owner or Contributor roles.	Yes
Automation Job Operator	Create and Manage Jobs using Automation Runbooks.	Yes
Automation Operator	Automation Operators are able to start, stop, suspend, and resume jobs	Yes
Automation Runbook Operator	Read Runbook properties - to be able to create Jobs of the runbook.	Yes
Avere Contributor	Can create and manage an Avere vFXT cluster.	Yes
Avere Operator	Used by the Avere vFXT cluster to manage the cluster	Yes
Azure Event Hubs Data Owner	Allows for full access to Azure Event Hubs resources.	Yes
Azure Event Hubs Data Receiver	Allows receive access to Azure Event Hubs resources.	Yes
Azure Event Hubs Data Sender	Allows send access to Azure Event Hubs resources.	Yes

Azure Kubernetes Service Cluster Admin Role	List cluster admin credential action.	Yes
Azure Kubernetes Service Cluster User Role	List cluster user credential action.	Yes
Azure Maps Data Reader (Preview)	Grants access to read map related data from an Azure maps account.	No
Azure Service Bus Data Owner	Allows for full access to Azure Service Bus resources.	Yes
Azure Service Bus Data Receiver	Allows for receive access to Azure Service Bus resources.	Yes
Azure Service Bus Data Sender	Allows for send access to Azure Service Bus resources.	Yes
Azure Stack Registration Owner	Allows you to manage Azure Stack registrations.	Yes
Backup Contributor	Allows you to manage backup service, but can't create vaults and give access to others	Yes
Backup Operator	Allows you to manage backup services, except removal of backup, vault creation and giving access to others	Yes
Backup Reader	Can view backup services, but can't make changes	No
Billing Reader	Allows read access to billing data	No
BizTalk Contributor	Allows you to manage BizTalk services, but not access to them.	Yes
Blockchain Member Node Access (Preview)	Allows for access to Blockchain Member nodes	Yes
Blueprint Contributor	Can manage blueprint definitions, but not assign them.	Yes
Blueprint Operator	Can assign existing published blueprints, but cannot create new blueprints. NOTE: this only works if the assignment is done with a user-assigned managed identity.	Yes
CDN Endpoint Contributor	Can manage CDN endpoints but can't grant access to other users.	Yes
CDN Endpoint Reader	Can view CDN endpoints but can't make changes.	No
CDN Profile Contributor	Can manage CDN profiles and their endpoints but can't grant access to other users.	Yes
CDN Profile Reader	Can view CDN profiles and their endpoints but can't make changes.	No
Classic Network Contributor	Allows you to manage classic networks, but not access to them.	Yes
Classic Storage Account Contributor	Allows you to manage classic storage accounts, but not access to them.	Yes

Classic Storage Account Key Operator Service Role	Classic Storage Account Key Operators are allowed to list and regenerate keys on Classic Storage Accounts	Yes
Classic Virtual Machine Contributor	Allows you to manage classic virtual machines, but not access to them, and not the virtual network or storage account they're connected to.	Yes
Cognitive Services Contributor	Allows you to create, read, update, delete and manage keys of Cognitive Services.	Yes
Cognitive Services Data Reader (Preview)	Allows you to read Cognitive Services data.	No
Cognitive Services User	Allows you to read and list keys of Cognitive Services.	No
Cosmos DB Account Reader Role	Can read Azure Cosmos DB account data. See DocumentDB Account Contributor for managing Azure Cosmos DB accounts.	No
Cosmos DB Operator	Allows you to manage Azure Cosmos DB accounts, but not access data in them. Prevents access to account keys and connection strings.	Yes
CosmosBackupOperator	Can submit restore request for a Cosmos DB database or a container for an account	Yes
Cost Management Contributor	Can view costs and manage cost configuration (e.g. budgets, exports)	Yes
Cost Management Reader	Can view cost data and configuration (e.g. budgets, exports)	No
Data Box Contributor	Allows you to manage everything under Data Box Service except giving access to others.	Yes
Data Box Reader	Allows you to manage Data Box Service except creating order or editing order details and giving access to others.	No
Data Factory Contributor	Create and manage data factories, as well as child resources within them.	Yes
Data Lake Analytics Developer	Allows you to submit, monitor, and manage your own jobs but not create or delete Data Lake Analytics accounts.	Yes
Data Purger	Can purge analytics data	Yes
DevTest Labs User	Allows you to connect, start, restart, and shutdown your virtual machines in your Azure DevTest Labs.	Yes
DNS Zone Contributor	Allows you to manage DNS zones and record sets in Azure DNS but does not let you control who has access to them.	Yes

DocumentDB Account Contributor	Can manage Azure Cosmos DB accounts. Azure Cosmos DB is formerly known as DocumentDB.	Yes
EventGrid EventSubscription Contributor	Allows you to manage EventGrid event subscription operations.	Yes
EventGrid EventSubscription Reader	Allows you to read EventGrid event subscriptions.	No
HDInsight Cluster Operator	Allows you to read and modify HDInsight cluster configurations.	Yes
HDInsight Domain Services Contributor	Can Read, Create, Modify and Delete Domain Services related operations needed for HDInsight Enterprise Security Package	Yes
Intelligent Systems Account Contributor	Allows you to manage Intelligent Systems accounts, but not access to them.	Yes
Key Vault Contributor	Allows you to manage key vaults, but not access to them.	Yes
Lab Creator	Allows you to create, manage, delete your managed labs under your Azure Lab Accounts.	Yes
Log Analytics Contributor	Log Analytics Contributor can read all monitoring data and edit monitoring settings. Editing monitoring settings includes adding the VM extension to VMs; reading storage account keys to be able to configure collection of logs from Azure Storage; creating and configuring Automation accounts; adding solutions; and configuring Azure diagnostics on all Azure resources.	Yes
Log Analytics Reader	Log Analytics Reader can view and search all monitoring data as well as and view monitoring settings, including viewing the configuration of Azure diagnostics on all Azure resources.	No
Logic App Contributor	Allows you to manage logic apps, but not change access to them.	
Logic App Operator	Allows you to read, enable, and disable logic apps, but not edit or update them.	Yes
Managed Application Operator Role	Allows you to read and perform actions on Managed Application resources	Yes
Managed Applications Reader	Allows you to read resources in a managed app and request JIT access.	No
Managed Identity Contributor	Create, Read, Update, and Delete User Assigned Identity	Yes
Managed Identity Operator	Read and Assign User Assigned Identity	Yes

Management Group Contributor	Management Group Contributor Role	Yes
Management Group Reader	Management Group Reader Role	No
Monitoring Contributor	Can read all monitoring data and edit monitoring settings. See also Get started with roles, permissions, and security with Azure Monitor .	Yes
Monitoring Metrics Publisher	Enables publishing metrics against Azure resources	Yes
Monitoring Reader	Can read all monitoring data (metrics, logs, etc.). See also Get started with roles, permissions, and security with Azure Monitor .	No
Network Contributor	Allows you to manage networks, but not access to them.	Yes
New Relic APM Account Contributor	Allows you to manage New Relic Application Performance Management accounts and applications, but not access to them.	Yes
Reader and Data Access	Allows you to view everything but will not let you delete or create a storage account or contained resource. It will also allow read/write access to all data contained in a storage account via access to storage account keys.	Yes
Redis Cache Contributor	Allows you to manage Redis caches, but not access to them.	Yes
Resource Policy Contributor (Preview)	(Preview) Backfilled users from EA, with rights to create/modify resource policy, create support ticket and read resources/hierarchy.	Yes
Scheduler Job Collections Contributor	Allows you to manage Scheduler job collections, but not access to them.	Yes
Search Service Contributor	Allows you to manage Search services, but not access to them.	Yes
Security Admin	In Security Center only: Can view security policies, view security states, edit security policies, view alerts and recommendations, dismiss alerts and recommendations	Yes
Security Manager (Legacy)	This is a legacy role. Please use Security Administrator instead	Yes
Security Reader	In Security Center only: Can view recommendations and alerts, view security policies, view security states, but cannot make changes	No

Site Recovery Contributor	Allows you to manage Site Recovery service except vault creation and role assignment	Yes
Site Recovery Operator	Allows you to failover and failback but not perform other Site Recovery management operations	Yes
Site Recovery Reader	Allows you to view Site Recovery status but not perform other management operations	No
Spatial Anchors Account Contributor	Allows you to manage spatial anchors in your account, but not delete them	Yes
Spatial Anchors Account Owner	Allows you to manage spatial anchors in your account, including deleting them	Yes
Spatial Anchors Account Reader	Allows you to locate and read properties of spatial anchors in your account	No
SQL DB Contributor	Allows you to manage SQL databases, but not access to them. Also, you can't manage their security-related policies or their parent SQL servers.	Yes
SQL Managed Instance Contributor	Allows you to manage SQL Managed Instances and required network configuration, but can't give access to others.	Yes
SQL Security Manager	Allows you to manage the security-related policies of SQL servers and databases, but not access to them.	Yes
SQL Server Contributor	Allows you to manage SQL servers and databases, but not access to them, and not their security -related policies.	Yes
Storage Account Contributor	Permits management of storage accounts. Provides access to the account key, which can be used to access data via Shared Key authorization.	Yes
Storage Account Key Operator Service Role	Permits listing and regenerating storage account access keys.	Yes
Storage Blob Data Contributor	Read, write, and delete Azure Storage containers and blobs. To learn which actions are required for a given data operation, see Permissions for calling blob and queue data operations .	Yes
Storage Blob Data Owner	Provides full access to Azure Storage blob containers and data, including assigning POSIX access control. To learn which actions are required for a given data operation, see Permissions for calling blob and queue data operations .	Yes

Storage Blob Data Reader	Read and list Azure Storage containers and blobs. To learn which actions are required for a given data operation, see Permissions for calling blob and queue data operations .	No
Storage Blob Delegator	Get a user delegation key, which can then be used to create a shared access signature for a container or blob that is signed with Azure AD credentials. For more information, see Create a user delegation SAS .	Yes
Storage File Data SMB Share Contributor	Allows for read, write, and delete access in Azure Storage file shares over SMB	Yes
Storage File Data SMB Share Elevated Contributor	Allows for read, write, delete and modify NTFS permission access in Azure Storage file shares over SMB	Yes
Storage File Data SMB Share Reader	Allows for read access to Azure File Share over SMB	No
Storage Queue Data Contributor	Read, write, and delete Azure Storage queues and queue messages. To learn which actions are required for a given data operation, see Permissions for calling blob and queue data operations .	Yes
Storage Queue Data Message Processor	Peek, retrieve, and delete a message from an Azure Storage queue. To learn which actions are required for a given data operation, see Permissions for calling blob and queue data operations .	Yes
Storage Queue Data Message Sender	Add messages to an Azure Storage queue. To learn which actions are required for a given data operation, see Permissions for calling blob and queue data operations .	Yes
Storage Queue Data Reader	Read and list Azure Storage queues and queue messages. To learn which actions are required for a given data operation, see Permissions for calling blob and queue data operations .	No
Support Request Contributor	Allows you to create and manage Support requests	Yes
Traffic Manager Contributor	Allows you to manage Traffic Manager profiles, but does not let you control who has access to them.	Yes
User Access Administrator	Allows you to manage user access to Azure resources.	Yes
Virtual Machine Administrator Login	View Virtual Machines in the portal and login as administrator	Yes

Virtual Machine Contributor	Allows you to manage virtual machines, but not access to them, and not the virtual network or storage account they're connected to.	Yes
Virtual Machine User Login	View Virtual Machines in the portal and login as a regular user.	Yes
Web Plan Contributor	Allows you to manage the web plans for websites, but not access to them.	Yes
Website Contributor	Allows you to manage websites (not web plans), but not access to them	Yes