

# User Roles and Permissions

For the extension to access cost data and Azure Advisor recommendations, users need appropriate roles assigned at the subscription level.

## Minimum Required Roles

### A. Accessing Cost Data via Cost Management API

- **Role:** Cost Management Reader or Reader
- **Description:**
  - **Cost Management Reader:** Specifically grants access to view cost data.
  - **Reader:** Grants read-only access to all Azure resources, including cost data.

### B. Accessing Azure Advisor Recommendations

- **Role:** Reader
- **Description:** Allows viewing of Azure Advisor recommendations for resources within the subscription.

## Assigning Roles to Users

1. **Navigate to the Subscription:**
  - In the Azure Portal, go to **Subscriptions**.
  - Select the subscription you want the user to access.
2. **Access Control (IAM):**
  - Click on **"Access control (IAM)"** in the left-hand menu.
3. **Add Role Assignment:**
  - Click **"Add"** > **"Add role assignment"**.
4. **Select Role:**
  - In the **"Role"** dropdown, select **"Cost Management Reader"** or **"Reader"**.
5. **Assign Access to User:**
  - Under **"Assign access to"**, choose **"User, group, or service principal"**.
6. **Select User:**
  - Search for the user's name or email.
  - Select the user from the list.
7. **Review and Assign:**
  - Click **"Review + assign"**.
  - Confirm the assignment.

## Notes

- **Cost Management Reader** is more restrictive and aligns with the principle of least privilege.
- **Reader** role provides broader read-only access to resources in the subscription.