Contributor role or higher: This role provides full access to all resources within an Azure subscription, including the ability to create, delete, and modify resources.

# **Minimum permissions to create and deploy Azure functions for Matman**

1. Contributor or higher role in the subscription or resource group where the Azure Functions will be created and deployed.
2. Microsoft.Authorization/\*/Write permission to create and update role assignments.
3. Microsoft.Web/sites/\* permission to create, update, and delete Azure Functions resources.
4. Microsoft.Storage/storageAccounts/\* permission to create, update, and delete storage accounts used by the Azure Functions resources.
5. Microsoft.Network/virtualNetworks/subnets/join/action permission to allow Azure Functions to join a subnet in the Virtual Network.
6. Microsoft.Network/virtualNetworks/subnets/configureServiceEndpoint permission to configure service endpoints for the subnet where Azure Functions will be deployed.

# **Minimum permissions to use Azure AD with the Matman applications**

1. Microsoft Graph permissions to access user and group information in Azure AD.
2. Microsoft Graph Application permissions to call the Microsoft Graph API on behalf of the application.
3. Azure AD Application permissions to access the necessary Azure AD resources, such as users and groups.
4. Network Contributor or higher role in the subscription or resource group where the virtual network is located