Overview
Contosos is an online training provider

Current Environment
Contososcurrently has the following environment in place

- They have 2 offices, one located in New York and the other in Chicago
- They have an Azure subscription in place
- The Azure subscription is associated with an Azure Active Directory tenant named contosos.com
- The Azure AD tenant consists of users and device objects
- Each user is assigned an Azure AD Premium P2 license.
- Azure Active Directory Privileged Identity Management has been activated
- Currently the free version of Azure Security has been deployed to the subscription

The following groups are currently defined in the tenant

Name	Type	Description
contosogrp1	Security Group	This group used Dynamic User membership type. It contains all the users located in the New York Office. It has access to Azure AD applications and Azure resources
contosogrp2	Security Group	This group used Dynamic User membership type. It contains all the users located in the Chicago office.

The company has the following resources defined as part of their Azure subscription

Name	Type	Description
contosonetwork	Virtual Network	This network contains the three subnets named subnetA, subnetB and subnetC
contosovm1	Virtual Machine	This virtual machine runs Windows Server 2016. It has been deployed to subnetA.
contosovm2	Virtual Machine	This virtual machine runs Windows Server 2016. It has been deployed to subnetA

contosodb1	Azure SQL database	This is an Azure SQL database defined in the subscription
contosoapp2020	Web App	This is a web app deployed using Azure Web Apps. This application needs to be accessible via the URL http://contoso.com and https://contoso.com
contoso-rg	Resource group	This resource group contains the virtual network and the virtual machines

The company wants to implement the following changes

- All users and devices located in the New York office must be members of contosogrp1
- They want to customize the operating system security configurations in Azure Security Center
- A custom role must be in place that allows for delegation of the administration of managed disks in the resource group contoso-rg
- The company wants to use Azure AD identities and secure the connection between the Azure Web app "contosoapp2020" and the Azure SQL database "contosodb1"
- Mutual authentication needs to be in place for the web application
- The users from the group "contosogrp2" need to log into the SQL database using their Azure AD credentials.