## Exam Objectives

The following are the learning objectives for the exam. Inline with each objective are links to Microsoft documentation around the specific concept or service. In addition to the documentation, there are also online courses from Microsoft Learn and the Microsoft Partner virtual training series available for additional learning resources. Access to the exam objectives can be found on Microsoft Learn:  <https://docs.microsoft.com/en-us/learn/certifications/exams/sc-300>

### Objective: Implement an Identity Management Solution (25-30%)

Implement Initial Configuration of Azure Active Directory

* Configure and manage Azure AD directory roles  
  [Understand roles in Azure Active Directory](https://docs.microsoft.com/en-us/azure/active-directory/roles/concept-understand-roles)  
  [Configure and manage Azure Active Directory roles](https://docs.microsoft.com/en-us/learn/modules/implement-initial-configuration-of-azure-active-directory/2-configure-manage-roles)
* Configure and manage custom domains  
  [Add a custom domain name to Azure Active Directory](https://docs.microsoft.com/en-us/learn/modules/add-custom-domain-name-azure-active-directory/)  
  [Configure and manage custom domains](https://docs.microsoft.com/en-us/learn/modules/implement-initial-configuration-of-azure-active-directory/4-configure-manage-custom-domains)
* Configure and manage device registration options  
  [Configure and manage device registration](https://docs.microsoft.com/en-us/learn/modules/implement-initial-configuration-of-azure-active-directory/5-configure-manage-device-registration)
* Configure delegation by using administrative units  
  [Administrative units in Azure Active Directory](https://docs.microsoft.com/en-us/azure/active-directory/roles/administrative-units)
* Configure tenant-wide settings  
  [Configuration in a tenant](https://docs.microsoft.com/en-us/microsoft-365/education/deploy/intro-azure-active-directory#configuration-in-a-tenant)  
  [Configure tenant-wide setting](https://docs.microsoft.com/en-us/learn/modules/implement-initial-configuration-of-azure-active-directory/7-configure-tenant-wide-options)

Create, Configure, and Manage Identities

* Create, configure, and manage users  
  [Create, configure, and manage users](https://docs.microsoft.com/en-us/learn/modules/create-configure-manage-identities/2-users)  
  [Create and manage users](https://docs.microsoft.com/en-us/learn/modules/manage-users-and-groups-in-aad/3-users)
* Create, configure, and manage groups  
  [Create, configure, and manage groups](https://docs.microsoft.com/en-us/learn/modules/create-configure-manage-identities/5-groups)  
  [Create and manage groups](https://docs.microsoft.com/en-us/learn/modules/manage-users-and-groups-in-aad/4-groups)
* Manage licenses  
  [Manage licenses](https://docs.microsoft.com/en-us/learn/modules/create-configure-manage-identities/7-manage-licenses)

Implement and Manage External Identities

* Manage external collaboration settings in Azure Active Directory  
  [Manage external collaboration](https://docs.microsoft.com/en-us/learn/modules/implement-manage-external-identities/2-collaboration)  
  [Manage external collaboration settings in Azure AD](https://docs.microsoft.com/en-us/learn/modules/implement-manage-external-identities/2-collaboration#manage-external-collaboration-settings-in-azure-active-directory)
* Invite external users (individually or in bulk)  
  [Invite external users – individually and in bulk](https://docs.microsoft.com/en-us/learn/modules/implement-manage-external-identities/4-invite-external-users-individually-bulk)  
  [Exercise: Invite guest users bulk](https://docs.microsoft.com/en-us/learn/modules/implement-manage-external-identities/6-exercise-invite-guest-users-bulk)  
  [Demo: Invite guest users to the app](https://docs.microsoft.com/en-us/learn/modules/implement-manage-external-identities/7-demo-invite-guest-users-to-app)
* Manage external user accounts in Azure Active Directory  
  [Manage external user accounts in Azure AD](https://docs.microsoft.com/en-us/learn/modules/implement-manage-external-identities/8-user-accounts-azure-active-directory)
* Configure identity providers (social and SAML/WS-fed)  
  [Configure identity providers](https://docs.microsoft.com/en-us/learn/modules/implement-manage-external-identities/10-configure-identity-providers)

Implement and Manage Hybrid Identity

* Implement and manage Azure Active Directory Connect (AADC)  
  [Plan, design, and implement Azure Active Directory Connect (AADC)](https://docs.microsoft.com/en-us/learn/modules/implement-manage-hybrid-identity/2-plan-design-implement-azure-active-directory-connect)  
  [Getting started with Azure AD Connect using express settings](https://docs.microsoft.com/en-us/azure/active-directory/hybrid/how-to-connect-install-express)
* Implement and manage Password Hash Synchronization (PHS)  
  [What is password hash synchronization with Azure AD?](https://docs.microsoft.com/en-us/azure/active-directory/hybrid/whatis-phs)  
  [Implement & manage password hash synchronization (PHS)](https://docs.microsoft.com/en-us/learn/modules/implement-manage-hybrid-identity/3-password-hash-synchronization)
* Implement and manage Pass-Through Authentication (PTA)  
  [What is Azure AD Pass-through Authentication?](https://docs.microsoft.com/en-us/azure/active-directory/hybrid/how-to-connect-pta#what-is-azure-active-directory-pass-through-authentication)  
  [Implement manage pass-through authentication (PTA)](https://docs.microsoft.com/en-us/learn/modules/implement-manage-hybrid-identity/4-pass-through-authentication)
* Implement and manage seamless Single Sign-On (SSO)  
  [Azure Active Directory Seamless Single Sign-On](https://docs.microsoft.com/en-us/azure/active-directory/hybrid/how-to-connect-sso)  
  [Manage pass-through authentication & seamless single sign-on](https://docs.microsoft.com/en-us/learn/modules/implement-manage-hybrid-identity/5-demo-manage-pass-through-authentication-seamless-single-sign)
* Implement and manage Federation excluding manual ADFS deployments  
  [Implement and manage federation](https://docs.microsoft.com/en-us/learn/modules/implement-manage-hybrid-identity/6-federation)
* Implement and manage Azure Active Directory Connect Health  
  [Implement Azure Active Directory Connect Health](https://docs.microsoft.com/en-us/learn/modules/implement-manage-hybrid-identity/8-implement-azure-active-directory-connect-health)  
  [Manage Azure Active Directory Connect Health](https://docs.microsoft.com/en-us/learn/modules/implement-manage-hybrid-identity/9-manage-azure-active-directory-connect-health)
* Troubleshoot synchronization errors  
  [Trouble-shoot synchronization errors](https://docs.microsoft.com/en-us/learn/modules/implement-manage-hybrid-identity/7-trouble-shoot-synchronization-errors)

### Objective: Implement an Authentication and Access Management Solution (25- 30%)

Plan and Implement Azure Multifactor Authentication (MFA)

* Plan Azure MFA deployment (excluding MFA Server)  
  [What is Azure AD Multi-Factor Authentication?](https://docs.microsoft.com/en-us/learn/modules/secure-aad-users-with-mfa/2-azure-multi-factor-authentication)  
  [Plan your multi-factor authentication deployment](https://docs.microsoft.com/en-us/learn/modules/secure-aad-users-with-mfa/3-planning-mfa)
* Implement and manage Azure MFA settings  
  [Configure Azure AD MFA settings](https://docs.microsoft.com/en-us/azure/active-directory/authentication/howto-mfa-mfasettings)
* Manage MFA settings for users  
  [Configure users](https://docs.microsoft.com/en-us/azure/active-directory/authentication/howto-mfa-userdevicesettings)
* Manage User Authentication  
  Administer authentication methods (FIDO2 / Passwordless)  
  [Passwordless authentication options for Azure AD](https://docs.microsoft.com/en-us/azure/active-directory/authentication/concept-authentication-passwordless)  
  [Administer FIDO2 and passwordless authentication methods](https://docs.microsoft.com/en-us/learn/modules/manage-user-authentication/2-administer-fido2-passwordless-authentication-methods)
* Implement an authentication solution based on Windows Hello for Business  
  [Windows Hello for Business & authentication](https://docs.microsoft.com/en-us/windows/security/identity-protection/hello-for-business/hello-how-it-works-authentication)  
  [Implement authentication based on Windows Hello for Business](https://docs.microsoft.com/en-us/learn/modules/manage-user-authentication/3-implement-authentication-solution-based-windows-hello-for-business)
* Configure and deploy self-service password reset  
  [Deploy SSPR](https://docs.microsoft.com/en-us/azure/active-directory/authentication/howto-sspr-deployment#deploy-sspr)  
  [Configure & deploy self-service password reset](https://docs.microsoft.com/en-us/learn/modules/manage-user-authentication/4-exercise-configure-deploy-self-service-password-reset)
* Deploy and manage password protection  
  [Deploy on-premises Azure AD password protection](https://docs.microsoft.com/en-us/azure/active-directory/authentication/howto-password-ban-bad-on-premises-deploy)  
  [Deploy & manage password protection](https://docs.microsoft.com/en-us/learn/modules/manage-user-authentication/5-deploy-manage-password-protection)
* Implement and manage tenant restrictions  
  [Use tenant restrictions to manage access to SaaS cloud apps](https://docs.microsoft.com/en-us/azure/active-directory/manage-apps/tenant-restrictions)  
  [Implement & manage tenant restrictions](https://docs.microsoft.com/en-us/learn/modules/manage-user-authentication/6-implement-manage-tenant-restrictions)

Plan, Implement, and Administer Conditional Access

* Plan and implement security defaults  
  [Plan security defaults](https://docs.microsoft.com/en-us/learn/modules/plan-implement-administer-conditional-access/2-plan-security-defaults)  
  [Work with security defaults](https://docs.microsoft.com/en-us/learn/modules/plan-implement-administer-conditional-access/3-exercise-work-with-security-defaults)
* Plan conditional access policies  
  [Conditional access policy](https://www.youtube.com/watch?v=fm-8AP8Watg)
* Implement conditional access policy controls and assignments (targeting, applications, and conditions)  
  [Implement conditional access policies roles & assignments](https://docs.microsoft.com/en-us/learn/modules/plan-implement-administer-conditional-access/6-exercise-implement-conditional-access-policies-roles-assignments)
* Testing and troubleshooting conditional access policies  
  [Test & troubleshoot conditional access policies](https://docs.microsoft.com/en-us/learn/modules/plan-implement-administer-conditional-access/7-test-troubleshooting-conditional-access-policies)
* Implement application controls  
  [Implement application controls](https://docs.microsoft.com/en-us/learn/modules/plan-implement-administer-conditional-access/8-implement-application-controls)
* Implement session management  
  [Implement session management](https://docs.microsoft.com/en-us/learn/modules/plan-implement-administer-conditional-access/9-implement-session-management)
* Configure smart lockout thresholds  
  [Configure smart lockout thresholds](https://docs.microsoft.com/en-us/learn/modules/plan-implement-administer-conditional-access/11-configure-smart-lockout-thresholds)

Manage Azure AD Identity Protection

* Implement and manage a user risk policy  
  [Implement & manage user risk policy](https://docs.microsoft.com/en-us/learn/modules/manage-azure-active-directory-identity-protection/3-implement-manage-user-risk-policy)  
  [Enable user risk policy](https://docs.microsoft.com/en-us/learn/modules/manage-azure-active-directory-identity-protection/4-exercise-enable-sign-risk-policy#enable-user-risk-policy)
* Implement and manage sign-in risk policies  
  [Enable sign-in risk policy](https://docs.microsoft.com/en-us/learn/modules/manage-azure-active-directory-identity-protection/4-exercise-enable-sign-risk-policy#enable-user-risk-policy)
* Implement and manage MFA registration policy  
  [Azure AD Multi-Factor Authentication registration policy](https://docs.microsoft.com/en-us/azure/active-directory/identity-protection/howto-identity-protection-configure-mfa-policy)  
  [Configure Azure AD MFA registration policy](https://docs.microsoft.com/en-us/learn/modules/manage-azure-active-directory-identity-protection/5-exercise-configure-multi-factor-authentication-registration-policy)
* Monitor, investigate, and remediate elevated risky users  
  [Monitor, investigate, & remediate elevated risky users](https://docs.microsoft.com/en-us/learn/modules/manage-azure-active-directory-identity-protection/6-monitor-investigate-remediate-elevated-risky-users)

### Objective: Implement Access Management for Apps (10-15%)

Plan, Implement and Monitor the Integration of Enterprise Apps for Single Sign-on (SSO)

* Implement and configure consent settings  
  [Configure how end-users consent to applications](https://docs.microsoft.com/en-us/azure/active-directory/manage-apps/configure-user-consent?tabs=azure-portal)  
  [Implement and configure consent settings](https://docs.microsoft.com/en-us/learn/modules/implement-monitor-integration-of-enterprise-apps-for-sso/3-implement-configure-consent-settings)
* Discover apps by using MCAS or ADFS app report  
  [Discover apps by using MCAS & ADFS report](https://docs.microsoft.com/en-us/learn/modules/plan-design-integration-of-enterprise-apps-for-sso/2-discover-apps-use-microsoft-cloud-app-security-app-report)
* Design and implement access management for apps  
  [Exercise: Implement access management for apps](https://docs.microsoft.com/en-us/learn/modules/plan-design-integration-of-enterprise-apps-for-sso/3-implement-access-management-for-apps)
* Design and implement app management roles  
  [Design & implement app management roles](https://docs.microsoft.com/en-us/learn/modules/plan-design-integration-of-enterprise-apps-for-sso/4-design-implement-app-management-roles)
* Monitor and audit access/sign-on to Azure Active Directory integrated enterprise applications  
  [Monitor & audit access to Azure AD integrated apps](https://docs.microsoft.com/en-us/learn/modules/implement-monitor-integration-of-enterprise-apps-for-sso/7-monitor-audit-access-azure-active-directory-integrated-applications)
* Implement token customizations  
  [Implement token customizations](https://docs.microsoft.com/en-us/learn/modules/implement-monitor-integration-of-enterprise-apps-for-sso/2-implement-token-customizations)
* Integrate on-premises apps by using Azure AD application proxy  
  [Add an on-premises app through Application Proxy in Azure AD](https://docs.microsoft.com/en-us/azure/active-directory/manage-apps/application-proxy-add-on-premises-application)  
  [Integrate on-premises apps by using Azure AD app proxy](https://docs.microsoft.com/en-us/learn/modules/implement-monitor-integration-of-enterprise-apps-for-sso/4-integrate-premises-apps-use-azure-active-directory-application-proxy)
* Integrate custom SaaS apps for SSO  
  [Integrate custom SaaS apps for single sign-on](https://docs.microsoft.com/en-us/learn/modules/implement-monitor-integration-of-enterprise-apps-for-sso/5-integrate-custom-saas-single-sign)  
  [Integrate Azure AD SSO with SaaS apps](https://github.com/uglide/azure-content/blob/master/articles/active-directory/active-directory-sso-integrate-saas-apps.md)
* Configure pre-integrated (gallery) SaaS apps  
  [Configure pre-integrated gallery SaaS apps](https://docs.microsoft.com/en-us/learn/modules/plan-design-integration-of-enterprise-apps-for-sso/6-configure-pre-integrated-gallery-saas-apps)
* Implement application user provisioning  
  [What is automated SaaS app user provisioning in Azure AD?](https://docs.microsoft.com/en-us/azure/active-directory/app-provisioning/user-provisioning)  
  [Implement application user provisioning](https://docs.microsoft.com/en-us/learn/modules/implement-monitor-integration-of-enterprise-apps-for-sso/6-implement-application-user-provisioning)