

On Demand Migration Permissions

**Reference Guide**



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**Legend**

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# Permissions Summary

Consent Permission Types are Application (A) and Delegated (D)

Permission	Description	API	Core	Basic	Mailboxes	SharePoint	Teams	ODM AD
AuditLog.Read.All	READ ALL AUDIT LOG DATA	Graph	A					
Calendars.Read.Shared	READ USER AND SHARED CALENDARS	Graph			D			
Calendars.ReadWrite	READ AND WRITE CALENDARS IN ALL MAILBOXES	Graph			A			
ChannelMember.ReadWrite.All	ADD AND REMOVE MEMBERS FROM ALL CHANNELS	Graph					A	
ChannelMessage.Read.All	READ ALL CHANNEL MESSAGES	Graph					A	
ChannelMessage.Send	SEND CHANNEL MESSAGES	Graph					D	
ChannelSettings.ReadWrite.All	READ AND WRITE THE NAMES, DESCRIPTIONS, AND SETTINGS OF ALL CHANNELS	Graph					A	
Chat.Read.All	READ ALL CHAT MESSAGES	Graph					A	
Chat.ReadWrite	READ AND WRITE USER CHAT MESSAGES	Graph					D	
ChatMember.ReadWrite.All	ADD AND REMOVE MEMBERS FROM ALL CHATS	Graph					A	

Permission	Description	API	Core	Basic	Mailboxes	SharePoint	Teams	ODM AD
Directory.Read.All	READ DIRECTORY DATA	Graph	A					
Directory.ReadWrite.All	READ AND WRITE DIRECTORY DATA	Graph		A		A	A	D
Domain.ReadWrite.All	READ AND WRITE DOMAINS	Graph						D
Exchange.ManageAsApp	MANAGE EXCHANGE AS APPLICATION	EXO		A				
Files.Read.All	READ FILES IN ALL SITE COLLECTIONS	Graph				A		
full_access_as_app	USE EXCHANGE WEB SERVICES WITH FULL ACCESS TO ALL MAILBOXES	EXO			A			
Group.ReadWrite.All	READ AND WRITE ALL GROUPS	Graph		A			A,D	D
Notes.ReadWrite.All	READ AND WRITE ALL ONENOTE NOTEBOOKS AND NOTES FOR ALL USERS	Graph, OneNote					A	
Organization.Read.All	ORGANIZATION.READ.ALL	Graph	A					
profile	VIEW USERS' BASIC PROFILE	Graph	D					
Region.ReadWrite	READ OR WRITE USER REGION	Teams					D	
Reports.Read.All	READ ALL USAGE REPORTS	Graph	A				A	
RoleManagement.ReadWrite.Directory	READ AND WRITE ALL DIRECTORY RBAC SETTINGS	Graph		A				D
Sites.FullControl.All	HAVE FULL CONTROL OF ALL SITE COLLECTIONS	SPO				A		
Sites.Manage.All	READ AND WRITE ITEMS AND LISTS IN ALL SITE COLLECTIONS	SPO				A	A	
Sites.ReadWrite.All	READ AND WRITE ITEMS IN ALL SITE COLLECTIONS	SPO				A	A	

Permission	Description	API	Core	Basic	Mailboxes	SharePoint	Teams	ODM AD
Tasks.ReadWrite.All	READ AND WRITE TASKS AND TASK LISTS FOR ALL USERS	Graph					A	
TeamMember.ReadWrite.All	ADD AND REMOVE MEMBERS FROM ALL TEAMS	Graph					A,D	
TeamsAppInstallation.ReadWriteForTeam.All	MANAGE TEAMS APPS FOR ALL TEAMS	Graph					A	
TeamSettings.ReadWrite.All	READ AND CHANGE ALL TEAMS SETTINGS	Graph					A	
TeamsTab.ReadWrite.All	READ AND WRITE TABS IN MICROSOFT TEAMS	Graph					A	
Teamwork.Migrate.All	CREATE CHAT AND CHANNEL MESSAGES WITH ANYONE'S IDENTITY AND WITH ANY TIMESTAMP	Graph					A	
TeamworkTag.ReadWrite.All	READ AND WRITE TAGS IN TEAMS	Graph					A	
TermStore.Read.All	READ MANAGED METADATA	Graph				A		
TermStore.ReadWrite.All	READ AND WRITE MANAGED METADATA	SPO				A		
User.Read.All	READ ALL USERS' FULL PROFILES	Graph					A,D	D
User.ReadWrite.All	READ AND WRITE USER PROFILES	SPO				A		
user_impersonation	HAVE FULL ACCESS TO THE CHAT SERVICE AGGREGATOR AND SKYPE TEAMS SERVICE	Teams					D	

## Office 365 Permission Requirements

### For Tenant Administrator

Asset	Tenant	Required Privileges	MFA Allowed	Purpose	Additional Notes
Accounts, Mailboxes, OneDrive, SharePoint	Source, Target	Global Admin role, which can be removed after consents are granted.	Yes	Grant consents, which creates ODM application service principals in the tenant.	The same Tenant Administrator Account can be used for all assets and features
Teams, M365 Groups	Source, Target	Global Admin role, which can be removed after consents are granted.  Teams Admin role, with active Teams license.  ApplicationImpersonation role.	Yes	Grant consents, which creates ODM application service principals in the tenant.  Provisions target Teams and M365 Groups, updates membership, and migrates Teams chats.  Migrates Group mailboxes for Teams and M365 Groups.	The Tenant Administrator Account name appears in migrated Teams chats unless you specify another default target user

## For Tenant Administrator

Feature	Tenant	Required Privileges	MFA Allowed	Purpose	Additional Notes
Public Folders Migration	Source, Target	Global Admin role or Exchange Admin role.  Owner permission for root Public Folders	No	Migrates public folders	Required if public folder migrations are in scope
OneDrive Provisioning	Target	SharePoint Admin role	No	Provisions target OneDrives	Required if target OneDrives are not pre-provisioned

# Active Directory Permission Requirements

## For Tenant Administrator

Activity	Tenant	Required Privileges	MFA Allowed	Purpose	Additional Notes
Domain Rewrite, Domain Move, Directory Sync, Active Directory Migration	Source, Target	Global Admin role, which can be removed after consents are granted and PowerShell accounts are created.  Exchange Admin, Teams Admin, User Admin roles.	Yes	Grant consents, which creates an ODM application service principal in the tenant.  Auto-creates PowerShell accounts and a mail-enabled security group using an OAuth Token. Auto-assigns required privileges to the PowerShell accounts.	Global Admin role must be reactivated during a Domain Move to auto-elevate the PowerShell accounts.

## For PowerShell Accounts

Activity	Tenant	Required Privileges	MFA Allowed	Purpose	Additional Notes
Directory Sync, Active Directory Migration	Source, Target	Exchange Admin, Teams Admin, User Admin roles.	No	Reads and updates tenant objects.	Account names will be in the format of BinaryTreeCDSPowerShell.[GUID]
Domain Rewrite, Domain Move	Source, Target	Exchange Admin, Teams Admin, User Admin roles, with active Exchange Online license.  Account will be auto-elevated to Global Admin during a Domain Move.	No	Reads and updates tenant objects.  Auto-creates transport rules, connectors, and distribution groups for domain rewrite and advanced domain move functions.	Account names will be in the format of BinaryTreePowerShell.[GUID] and BinaryTreeCDSPowerShell.[GUID]

## For Domain Account

Activity	Directory	Required Privileges	MFA Allowed	Purpose	Additional Notes
Domain Rewrite, Domain Move, Directory Sync, Active Directory Migration	Source, Target	Permissions to read and update Active Directory objects in scope.	N/A	Reads and updates Active Directory objects.	Required if local Active Directory environments are in scope.
Password Sync	Source, Target	Member of Administrators group or Domain Admins group	N/A	Sync passwords from source Active Directory to target Active Directory.	Required if password sync is in scope.
SID History Migration	Source	Member of Administrators group or Domain Admins group	N/A	Sync SID History from source Active Directory to target Active Directory	Required if SID History migration is in scope
SID History Migration	Target	Member of Administrators group or Domain Admins group or assigned Delegated migrateSIDHistory permissions	N/A	Sync SID History from source Active Directory to target Active Directory	Required if SID History migration is in scope

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## About Us

Quest creates software solutions that make the benefits of new technology real in an increasingly complex IT landscape. From database and systems management, to Active Directory and Office 365 management, and cyber security resilience, Quest helps customers solve their next IT challenge now. Around the globe, more than 130,000 companies and 95% of the Fortune 500 count on Quest to deliver proactive management and monitoring for the next enterprise initiative, find the next solution for complex Microsoft challenges and stay ahead of the next threat. Quest Software. Where next meets now. For more information, visit [www.quest.com](http://www.quest.com).

### Contacting Quest

For sales or other inquiries, visit [www.quest.com/contact](http://www.quest.com/contact).

### Technical Support Resources

Technical support is available to Quest customers with a valid maintenance contract and customers who have trial versions. You can access the Quest Support Portal at <https://support.quest.com>

The Support Portal provides self-help tools you can use to solve problems quickly and independently, 24 hours a day, 365 days a year. The Support Portal allows you to:

- Submit and manage a Service Request
- View Knowledge Base articles
- Sign up for product notifications

- Download software and technical documentation
- View how-to-videos
- Engage in community discussions
- Chat with support engineers online
- View services to assist you with your product