

# Where can I find the needed permissions for various list handling methods?

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The table below lists all permissions and whether they are Delegated (D) or Application (A) type.

- The Minimum Required column is needed to support OAUTH (SSO) login to PoliteMail. Small lists (less than 1000 members) can be expanded via MAPI in Outlook Desktop.
- Other configurations shown show both client-side and server-side permissions for Entra ID group expansion, Entra ID and Dynamic Distribution Group expansion in Exchange via EWS, and with all features enabled.
- With all features enabled, note that some permissions require both Application and Delegated types. Generally speaking, they map to the client (delegated) or server (application) expansion options.

Permission	Minimum Required	Azure Entra ID (Entra ID) Group Expansion		Entra ID & Exchange Dynamic Distribution Group Expansion via EWS		All Features Enabled
		Client-Side	Server-Side	Client-Side	Server-Side	
offline_access	D	D	D	D	D	D
openid	D	D	D	D	D	D
profile	D	D	D	D	D	D
User.Read	D	D	D	D	D	D
GroupMember.Read.All		D	A	D	A	A, D
MailboxSettings.Read		D	A	D	A	A, D
OrgContact.Read.All		D	A	D	A	A, D
People.Read.All		D	A	D	A	A, D
User.Read.All		D	A	D	A	A, D
EWS.AccessAsUser.All				D		D
full_access_as_app*					A	A

\* PoliteMail uses the full\_access\_as\_app permission to interact with EWS for user not present scenarios like messages that are scheduled for delivery of hours or weeks in the future. To ensure secure and appropriate usage, we recommend that it be scoped to a single mailbox using an [Application Access Policy](#) which makes the permission much more akin to a service account.