Active.Directory.Utility: Full Swagger Reference

Every method with its input fields and schemas. Generated from the project source, November 2026.

Conventions

- **Base URL:** your API host, for example `https://api.corp.example.com`. HTTPS is required.
- **Authentication:** send your API key in the `X-Api-Key` header on every call. `/api/HealthCheck` does not need it unless the administrator turned that on.
- **Input and output:** JSON. Query-string parameter names are not case-sensitive.
- **Required parameters** are marked Yes in the Required column; the API returns HTTP 400 when one is missing or empty.
- **Response envelope:** every method answers with `{ "Success": true|false, "Data": ..., "Error": null|"message" }`. `Data` holds the method-specific result. `/api/HealthCheck` returns its report directly (see Schemas).
- **LDAP_Path:** `LDAPS://OU=Users,DC=corp,DC=example,DC=com` or just the distinguished name. Any host part is ignored; the server always comes from configuration.
- **UserName:** a SAMAccountName or a UserPrincipalName.

HTTP status	Meaning
200	Success
400	Missing or invalid input, or the AD command failed
401	Missing or invalid `X-Api-Key`
404	The user, group, OU or object was not found
503	The PowerShell remoting (WinRM) endpoint could not be reached
504	The request exceeded the server time limit
500	Unexpected server error

Methods

Health

GET /api/HealthCheck

Health check. Checks PowerShell on the web server, WinRM and LDAPS connectivity, and an Active Directory PowerShell session on the target server.

No parameters.

Example request

```
GET /api/HealthCheck
X-Api-Key: your-api-key
```

Users

POST /api/CreateUser

Create a user. Creates a user in the OU given by LDAP_Path. AccountPassword is required and is never logged.

Name	In	Type	Required	Description
LDAP_Path	query	string	Yes	LDAPS://OU=Users,DC=corp,DC=example,DC=com (or just the distinguished name). Any host part is ignored.
CreateNewUser	body	NewUserRequest	Yes	JSON request body, schema NewUserRequest.

Example request

```
POST /api/CreateUser?LDAP_Path=LDAPS://OU=Users,DC=corp,DC=example,DC=com
X-Api-Key: your-api-key
Content-Type: application/json

{
  "SamAccountName": "string",
  "AccountPassword": "P@ssw0rd!"
}
```

DELETE /api/DeleteUser

Delete a user. Permanently deletes the user.

Name	In	Type	Required	Description
LDAP_Path	query	string	Yes	LDAPS://OU=Users,DC=corp,DC=example,DC=com (or just the distinguished name). Any host part is ignored.
UserName	query	string	Yes	SAMAccountName or UserPrincipalName

Example request

```
DELETE /api/DeleteUser?LDAP_Path=LDAPS://OU=Users,DC=corp,DC=example,DC=com&UserName=jsmith
X-Api-Key: your-api-key
```

PUT /api/EnableUserAccount

Enable a user account. Enables the account.

Name	In	Type	Required	Description
LDAP_Path	query	string	Yes	LDAPS://OU=Users,DC=corp,DC=example,DC=com (or just the distinguished name). Any host part is ignored.
UserName	query	string	Yes	SAMAccountName or UserPrincipalName

Example request

```
PUT /api/EnableUserAccount?LDAP_Path=LDAPS://OU=Users,DC=corp,DC=example,DC=com&UserName=jsmith
X-Api-Key: your-api-key
```

PUT /api/DisableUserAccount

Disable a user account. Disables the account.

Name	In	Type	Required	Description
LDAP_Path	query	string	Yes	LDAPS://OU=Users,DC=corp,DC=example,DC=com (or just the distinguished name). Any host part is ignored.
UserName	query	string	Yes	SAMAccountName or UserPrincipalName

Example request

```
PUT /api/DisableUserAccount?LDAP_Path=LDAPS://OU=Users,DC=corp,DC=example,DC=com&UserName=jsmith
X-Api-Key: your-api-key
```

PUT /api/UnlockUserAccount

Unlock a user account. Unlocks an account that is locked out.

Name	In	Type	Required	Description
LDAP_Path	query	string	Yes	LDAPS://OU=Users,DC=corp,DC=example,DC=com (or just the distinguished name). Any host part is ignored.
UserName	query	string	Yes	SAMAccountName or UserPrincipalName

Example request

```
PUT /api/UnlockUserAccount?LDAP_Path=LDAPS://OU=Users,DC=corp,DC=example,DC=com&UserName=jsmith
X-Api-Key: your-api-key
```

GET /api/GetUsersInOU

Get users in an OU. Lists users directly inside the OU (one level).

Name	In	Type	Required	Description
LDAP_Path	query	string	Yes	LDAPS://OU=Users,DC=corp,DC=example,DC=com (or just the distinguished name). Any host part is ignored.

Example request

```
GET /api/GetUsersInOU?LDAP_Path=LDAPS://OU=Users,DC=corp,DC=example,DC=com
X-Api-Key: your-api-key
```

GET /api/ListOfUsers

List users. Lists users under LDAP_Path whose name contains the search text, or all with *.

Name	In	Type	Required	Description
LDAP_Path	query	string	Yes	LDAPS://OU=Users,DC=corp,DC=example,DC=com (or just the distinguished name). Any host part is ignored.
Search4	query	string	Yes	Text to search for (contains match).

Example request

```
GET /api/ListOfUsers?LDAP_Path=LDAPS://OU=Users,DC=corp,DC=example,DC=com&Search4=smith
X-Api-Key: your-api-key
```

GET /api/Search4User

Search for users. Finds users where the chosen attribute (SearchVIA) contains the search text.

Name	In	Type	Required	Description
LDAP_Path	query	string	Yes	LDAPS://OU=Users,DC=corp,DC=example,DC=com (or just the distinguished name). Any host part is ignored.
Search4	query	string	Yes	Text to search for (contains match).
SearchVIA	query	string	Yes	SamAccountName, UserPrincipalName, DisplayName, Name, GivenName, Surname, EmailAddress or EmployeeID.

Example request

```
GET /api/Search4User
    ?LDAP_Path=LDAPS://OU=Users,DC=corp,DC=example,DC=com
    &Search4=smith
    &SearchVIA=Users
X-Api-Key: your-api-key
```

GET /api/GetUserAccountStatus

Get a user's account status. Returns enabled, locked-out, password and expiration details.

Name	In	Type	Required	Description
LDAP_Path	query	string	Yes	LDAPS://OU=Users,DC=corp,DC=example,DC=com (or just the distinguished name). Any host part is ignored.

Name	In	Type	Required	Description
`UserName`	query	string	Yes	SAMAccountName or UserPrincipalName

Example request

```
GET /api/GetUserAccountStatus?LDAP_Path=LDAPS://OU=Users,DC=corp,DC=example,DC=com&UserName=jsmith
X-Api-Key: your-api-key
```

GET /api/GetUserAttribute

Get one user attribute. Returns the value of a single LDAP attribute.

Name	In	Type	Required	Description
`LDAP_Path`	query	string	Yes	LDAPS://OU=Users,DC=corp,DC=example,DC=com (or just the distinguished name). Any host part is ignored.
`UserName`	query	string	Yes	SAMAccountName or UserPrincipalName
`AttributeName`	query	string	Yes	LDAP attribute name, e.g. department.

Example request

```
GET /api/GetUserAttribute
    ?LDAP_Path=LDAPS://OU=Users,DC=corp,DC=example,DC=com
    &UserName=jsmith
    &AttributeName=department
X-Api-Key: your-api-key
```

GET /api/GetUserAttributes

Get all user attributes. Returns all attributes of the user (password hashes are never returned).

Name	In	Type	Required	Description
`LDAP_Path`	query	string	Yes	LDAPS://OU=Users,DC=corp,DC=example,DC=com (or just the distinguished name). Any host part is ignored.
`UserName`	query	string	Yes	SAMAccountName or UserPrincipalName

Example request

```
GET /api/GetUserAttributes?LDAP_Path=LDAPS://OU=Users,DC=corp,DC=example,DC=com&UserName=jsmith
X-Api-Key: your-api-key
```

PUT /api/UpdateUserAttributes

Update user attributes. Sets attributes from the JSON body. A null or empty value clears the attribute. Password attributes are blocked.

Name	In	Type	Required	Description
`LDAP_Path`	query	string	Yes	LDAPS://OU=Users,DC=corp,DC=example,DC=com (or just the distinguished name). Any host part is ignored.
`UserName`	query	string	Yes	SAMAccountName or UserPrincipalName
`UserAttributes`	body	UserAttributeRequest	Yes	JSON request body, schema `UserAttributeRequest`.

Example request

```
PUT /api/UpdateUserAttributes?LDAP_Path=LDAPS://OU=Users,DC=corp,DC=example,DC=com&UserName=jsmith
X-Api-Key: your-api-key
Content-Type: application/json

{
  "Attributes": {
    "department": "IT"
  }
}
```

GET /api/GetUserPrincipalName

Get a user's UserPrincipalName. Looks up the UPN for a sAMAccountName.

Name	In	Type	Required	Description
LDAP_Path	query	string	Yes	LDAPS://OU=Users,DC=corp,DC=example,DC=com (or just the distinguished name). Any host part is ignored.
SAMAccountName	query	string	Yes	The sAMAccountName.

Example request

```
GET /api/GetUserPrincipalName
    ?LDAP_Path=LDAPS://OU=Users,DC=corp,DC=example,DC=com
    &SAMAccountName=jsmith
X-Api-Key: your-api-key
```

GET /api/GetUserSAMAccountName

Get a user's SAMAccountName. Looks up the sAMAccountName for a UserPrincipalName.

Name	In	Type	Required	Description
LDAP_Path	query	string	Yes	LDAPS://OU=Users,DC=corp,DC=example,DC=com (or just the distinguished name). Any host part is ignored.
UserPrincipalName	query	string	Yes	The user principal name (user@domain).

Example request

```
GET /api/GetUserSAMAccountName
    ?LDAP_Path=LDAPS://OU=Users,DC=corp,DC=example,DC=com
    &UserPrincipalName=jsmith@corp.example.com
X-Api-Key: your-api-key
```

GET /api/GetDaysUntilUserPasswordExpires

Days until password expires. Returns the number of days before the password expires, or null if it never expires.

Name	In	Type	Required	Description
LDAP_Path	query	string	Yes	LDAPS://OU=Users,DC=corp,DC=example,DC=com (or just the distinguished name). Any host part is ignored.
UserName	query	string	Yes	SAMAccountName or UserPrincipalName

Example request

```
GET /api/GetDaysUntilUserPasswordExpires
    ?LDAP_Path=LDAPS://OU=Users,DC=corp,DC=example,DC=com
    &UserName=jsmith
X-Api-Key: your-api-key
```

GET /api/AccountStatuses

Find accounts by status. Finds users that are locked out, disabled, inactive, expiring, expired, etc. Statuses can be combined.

Name	In	Type	Required	Description
LDAP_Path	query	string	Yes	LDAPS://OU=Users,DC=corp,DC=example,DC=com (or just the distinguished name). Any host part is ignored.
Search4	query	string	Yes	Part of a name/sAMAccountName/UPN to narrow the result, or * for no name filter.
SearchVIA	query	string	Yes	LockedOut, Disabled, Inactive, Expiring, Expired, NeverExpires, AccountExpiring, AccountExpired, or * for all. Combine with commas.
MatchMode	query	string	No	Any (default) = users matching at least one status; All = users matching every status listed.

Name	In	Type	Required	Description
`InactiveDays`	query	integer	No	Days without logon that count as Inactive (default 90).
`ExpiringDays`	query	integer	No	Days ahead that count as Expiring (default 14).

Example request

```
GET /api/AccountStatuses
    ?LDAP_Path=LDAPS://OU=Users,DC=corp,DC=example,DC=com
    &Search4=smith
    &SearchVIA=Users
X-Api-Key: your-api-key
```

PUT /api/SetAccountExpiration

Set or clear account expiration. Sets or clears the expiration date on all users matching Filter. Use Preview=true first.

Name	In	Type	Required	Description
`LDAP_Path`	query	string	Yes	LDAPS://OU=Users,DC=corp,DC=example,DC=com (or just the distinguished name). Any host part is ignored.
`Filter`	query	string	Yes	Part of a name/sAMAccountName/UPN/email identifying the accounts, or *.
`ExpirationDate`	query	string (date-time)	No	New expiration, e.g. 2026-12-31T00:00:00 (server local time). Use this OR NeverExpires=true.
`NeverExpires`	query	boolean	No	true clears the expiration. Use this OR ExpirationDate.
`Preview`	query	boolean	No	true = show what would change without changing anything.
`MaxAccounts`	query	integer	No	Refuse to change more than this many accounts in one call (default 25).

Example request

```
PUT /api/SetAccountExpiration?LDAP_Path=LDAPS://OU=Users,DC=corp,DC=example,DC=com&Filter=smith
X-Api-Key: your-api-key
```

Passwords and authentication

POST /api/AuthenticateUser

Authenticate a user. Validates a user name and password. Failed attempts count toward account lockout.

Name	In	Type	Required	Description
`Credentials`	body	AuthenticateUserRequest	Yes	JSON request body, schema `AuthenticateUserRequest`.

Example request

```
POST /api/AuthenticateUser
X-Api-Key: your-api-key
Content-Type: application/json

{
  "LDAP_Path": "LDAPS://OU=Users,DC=corp,DC=example,DC=com",
  "UserName": "jsmith",
  "UserPassword": "P@ssw0rd!"
}
```

PUT /api/ChangeUserPassword

Change a user's password. Changes the password; the current password is required.

Name	In	Type	Required	Description
`Request`	body	ChangeUserPasswordRequest	Yes	JSON request body, schema `ChangeUserPasswordRequest`.

Example request

```
PUT /api/ChangeUserPassword
X-Api-Key: your-api-key
Content-Type: application/json

{
  "LDAP_Path": "LDAPS://OU=Users,DC=corp,DC=example,DC=com",
  "UserName": "jsmith",
  "UserCurrentPassword": "P@ssw0rd!",
  "UserNewPassword": "P@ssw0rd!"
}
```

PUT /api/ResetUserPassword

Reset a user's password. Sets a new password without needing the current one.

Name	In	Type	Required	Description
`Request`	body	ResetUserPasswordRequest	Yes	JSON request body, schema `ResetUserPasswordRequest`.

Example request

```
PUT /api/ResetUserPassword
X-Api-Key: your-api-key
Content-Type: application/json

{
  "LDAP_Path": "LDAPS://OU=Users,DC=corp,DC=example,DC=com",
  "UserName": "jsmith",
  "UserPassword": "P@ssw0rd!"
}
```

Groups

POST /api/CreateGroup

Create a group. Creates a group. GroupScope: DomainLocal, Global or Universal. GroupType: Security or Distribution.

Name	In	Type	Required	Description
`LDAP_Path`	query	string	Yes	LDAPS://OU=Users,DC=corp,DC=example,DC=com (or just the distinguished name). Any host part is ignored.
`GroupName`	query	string	Yes	Group name (sAMAccountName or cn).
`DisplayName`	query	string	No	Display name.
`GroupScope`	query	string	Yes	DomainLocal, Global or Universal.
`GroupType`	query	string	Yes	Security or Distribution.
`ManagedBy`	query	string	No	DN or sAMAccountName of the manager.
`HomePage`	query	string	No	Home page URL.
`Path`	query	string	No	Parent container DN; defaults to LDAP_Path.
`Description`	query	string	No	Description.

Example request

```
POST /api/CreateGroup
    ?LDAP_Path=LDAPS://OU=Users,DC=corp,DC=example,DC=com
    &GroupName=Sales
```

```
    &GroupScope=Global
    &GroupType=Security
X-Api-Key: your-api-key
```

DELETE /api/DeleteGroup

Delete a group. Permanently deletes the group.

Name	In	Type	Required	Description
LDAP_Path	query	string	Yes	LDAPS://OU=Users,DC=corp,DC=example,DC=com (or just the distinguished name). Any host part is ignored.
GroupName	query	string	Yes	Group name (sAMAccountName or cn).

Example request

```
DELETE /api/DeleteGroup?LDAP_Path=LDAPS://OU=Users,DC=corp,DC=example,DC=com&GroupName=Sales
X-Api-Key: your-api-key
```

GET /api/GetGroupsInOU

Get groups in an OU. Lists groups directly inside the OU (one level).

Name	In	Type	Required	Description
LDAP_Path	query	string	Yes	LDAPS://OU=Users,DC=corp,DC=example,DC=com (or just the distinguished name). Any host part is ignored.

Example request

```
GET /api/GetGroupsInOU?LDAP_Path=LDAPS://OU=Users,DC=corp,DC=example,DC=com
X-Api-Key: your-api-key
```

GET /api/ListOfGroups

List groups. Lists groups under LDAP_Path whose name contains the search text, or all with *.

Name	In	Type	Required	Description
LDAP_Path	query	string	Yes	LDAPS://OU=Users,DC=corp,DC=example,DC=com (or just the distinguished name). Any host part is ignored.
Search4	query	string	Yes	Text to search for (contains match).

Example request

```
GET /api/ListOfGroups?LDAP_Path=LDAPS://OU=Users,DC=corp,DC=example,DC=com&Search4=smith
X-Api-Key: your-api-key
```

GET /api/Search4Group

Search for groups. Finds groups whose name, sAMAccountName or display name contains the search text.

Name	In	Type	Required	Description
LDAP_Path	query	string	Yes	LDAPS://OU=Users,DC=corp,DC=example,DC=com (or just the distinguished name). Any host part is ignored.
Search4	query	string	Yes	Text to search for (contains match).

Example request

```
GET /api/Search4Group?LDAP_Path=LDAPS://OU=Users,DC=corp,DC=example,DC=com&Search4=smith
X-Api-Key: your-api-key
```

Group membership (role-based security)

PUT /api/AddUserToGroup

Add a user to a group. Makes the user a member of the group.

Name	In	Type	Required	Description
LDAP_Path	query	string	Yes	LDAPS://OU=Users,DC=corp,DC=example,DC=com (or just the distinguished name). Any host part is ignored.
UserName	query	string	Yes	SAMAccountName or UserPrincipalName
GroupName	query	string	Yes	Group name (sAMAccountName or cn).

Example request

```
PUT /api/AddUserToGroup
    ?LDAP_Path=LDAPS://OU=Users,DC=corp,DC=example,DC=com
    &UserName=jsmith
    &GroupName=Sales
X-Api-Key: your-api-key
```

DELETE /api/RemoveUserFromGroup

Remove a user from a group. Removes the user from the group.

Name	In	Type	Required	Description
LDAP_Path	query	string	Yes	LDAPS://OU=Users,DC=corp,DC=example,DC=com (or just the distinguished name). Any host part is ignored.
UserName	query	string	Yes	SAMAccountName or UserPrincipalName
GroupName	query	string	Yes	Group name (sAMAccountName or cn).

Example request

```
DELETE /api/RemoveUserFromGroup
    ?LDAP_Path=LDAPS://OU=Users,DC=corp,DC=example,DC=com
    &UserName=jsmith
    &GroupName=Sales
X-Api-Key: your-api-key
```

GET /api/IsUserInGroup

Is a user in a group. Checks direct membership only (not nested groups or primary group).

Name	In	Type	Required	Description
LDAP_Path	query	string	Yes	LDAPS://OU=Users,DC=corp,DC=example,DC=com (or just the distinguished name). Any host part is ignored.
UserName	query	string	Yes	SAMAccountName or UserPrincipalName
GroupName	query	string	Yes	Group name (sAMAccountName or cn).

Example request

```
GET /api/IsUserInGroup
    ?LDAP_Path=LDAPS://OU=Users,DC=corp,DC=example,DC=com
    &UserName=jsmith
    &GroupName=Sales
X-Api-Key: your-api-key
```

GET /api/GetUserGroups

Get a user's groups. Lists the groups the user is a member of.

Name	In	Type	Required	Description
LDAP_Path	query	string	Yes	LDAPS://OU=Users,DC=corp,DC=example,DC=com (or just the distinguished name). Any host part is ignored.
UserName	query	string	Yes	SAMAccountName or UserPrincipalName

Example request

```
GET /api/GetUserGroups?LDAP_Path=LDAPS://OU=Users,DC=corp,DC=example,DC=com&UserName=jsmith
X-Api-Key: your-api-key
```

GET /api/GetUsersInGroup

Get users in a group. Lists the users that are direct members of a group.

Name	In	Type	Required	Description
LDAP_Path	query	string	Yes	LDAPS://OU=Users,DC=corp,DC=example,DC=com (or just the distinguished name). Any host part is ignored.
GroupName	query	string	Yes	Group name (sAMAccountName or cn).

Example request

```
GET /api/GetUsersInGroup?LDAP_Path=LDAPS://OU=Users,DC=corp,DC=example,DC=com&GroupName=Sales
X-Api-Key: your-api-key
```

PUT /api/AddGroupToGroup

Add a group to a group. Makes ChildGroupName a member of ParentGroupName.

Name	In	Type	Required	Description
LDAP_Path	query	string	Yes	LDAPS://OU=Users,DC=corp,DC=example,DC=com (or just the distinguished name). Any host part is ignored.
ParentGroupName	query	string	Yes	Name of the parent group.
ChildGroupName	query	string	Yes	Name of the child group.

Example request

```
PUT /api/AddGroupToGroup
    ?LDAP_Path=LDAPS://OU=Users,DC=corp,DC=example,DC=com
    &ParentGroupName=AllStaff
    &ChildGroupName=Sales
X-Api-Key: your-api-key
```

DELETE /api/RemoveGroupFromGroup

Remove a group from a group. Removes ChildGroupName from ParentGroupName.

Name	In	Type	Required	Description
LDAP_Path	query	string	Yes	LDAPS://OU=Users,DC=corp,DC=example,DC=com (or just the distinguished name). Any host part is ignored.
ParentGroupName	query	string	Yes	Name of the parent group.
ChildGroupName	query	string	Yes	Name of the child group.

Example request

```
DELETE /api/RemoveGroupFromGroup
    ?LDAP_Path=LDAPS://OU=Users,DC=corp,DC=example,DC=com
    &ParentGroupName=AllStaff
    &ChildGroupName=Sales
X-Api-Key: your-api-key
```

GET /api/IsGroupInGroup

Is a group in a group. Checks direct membership only (not nested groups).

Name	In	Type	Required	Description
LDAP_Path	query	string	Yes	LDAPS://OU=Users,DC=corp,DC=example,DC=com (or just the distinguished name). Any host part is ignored.
ParentGroupName	query	string	Yes	Name of the parent group.
ChildGroupName	query	string	Yes	Name of the child group.

Example request

```
GET /api/IsGroupInGroup
```

```
    ?LDAP_Path=LDAPS://OU=Users,DC=corp,DC=example,DC=com
    &ParentGroupName=AllStaff
    &ChildGroupName=Sales
X-Api-Key: your-api-key
```

GET /api/GetGroupsInGroup

Get groups in a group. Lists the groups that are direct members of a group.

Name	In	Type	Required	Description
LDAP_Path	query	string	Yes	LDAPS://OU=Users,DC=corp,DC=example,DC=com (or just the distinguished name). Any host part is ignored.
GroupName	query	string	Yes	Group name (sAMAccountName or cn).

Example request

```
GET /api/GetGroupsInGroup?LDAP_Path=LDAPS://OU=Users,DC=corp,DC=example,DC=com&GroupName=Sales
X-Api-Key: your-api-key
```

Organizational units

POST /api/CreateOU

Create an OU. Creates an organizational unit under LDAP_Path (or under Path, if supplied).

Name	In	Type	Required	Description
LDAP_Path	query	string	Yes	LDAPS://OU=Users,DC=corp,DC=example,DC=com (or just the distinguished name). Any host part is ignored.
OUName	query	string	Yes	Name of the OU.
DisplayName	query	string	No	Display name.
ManagedBy	query	string	No	DN or sAMAccountName of the manager.
Path	query	string	No	Parent container DN; defaults to LDAP_Path.
City	query	string	No	City.
Country	query	string	No	Two-letter country code.
PostalCode	query	string	No	Postal code.
State	query	string	No	State or province.
StreetAddress	query	string	No	Street address.
ProtectedFromAccidentalDeletion	query	boolean	No	Protect from accidental deletion (default true).
OUDescription	query	string	No	OU description.

Example request

```
POST /api/CreateOU?LDAP_Path=LDAPS://OU=Users,DC=corp,DC=example,DC=com&OUName=Sales
X-Api-Key: your-api-key
```

GET /api/GetOUsInOU

Get OUs in an OU. Lists OUs directly inside the OU (one level).

Name	In	Type	Required	Description
LDAP_Path	query	string	Yes	LDAPS://OU=Users,DC=corp,DC=example,DC=com (or just the distinguished name). Any host part is ignored.

Example request

```
GET /api/GetOUsInOU?LDAP_Path=LDAPS://OU=Users,DC=corp,DC=example,DC=com
X-Api-Key: your-api-key
```

GET /api/ListOfOUs

List OUs. Lists OUs under LDAP_Path whose name contains the search text, or all with *.

Name	In	Type	Required	Description
LDAP_Path	query	string	Yes	LDAPS://OU=Users,DC=corp,DC=example,DC=com (or just the distinguished name). Any host part is ignored.
Search4	query	string	Yes	Text to search for (contains match).

Example request

```
GET /api/ListOfOUs?LDAP_Path=LDAPS://OU=Users,DC=corp,DC=example,DC=com&Search4=smith
X-Api-Key: your-api-key
```

Objects

GET /api/DoesObjectExists

Does an object exist. Checks whether any object matches the name exactly (sAMAccountName, cn, name or UPN).

Name	In	Type	Required	Description
LDAP_Path	query	string	Yes	LDAPS://OU=Users,DC=corp,DC=example,DC=com (or just the distinguished name). Any host part is ignored.
Search4	query	string	Yes	Text to search for (contains match).

Example request

```
GET /api/DoesObjectExists?LDAP_Path=LDAPS://OU=Users,DC=corp,DC=example,DC=com&Search4=smith
X-Api-Key: your-api-key
```

GET /api/GetObjectAttributes

Get all attributes of an object. Returns all attributes of the object(s) matching the name.

Name	In	Type	Required	Description
LDAP_Path	query	string	Yes	LDAPS://OU=Users,DC=corp,DC=example,DC=com (or just the distinguished name). Any host part is ignored.
ObjectName	query	string	Yes	Name of the object (sAMAccountName, cn, name or UPN).

Example request

```
GET /api/GetObjectAttributes?LDAP_Path=LDAPS://OU=Users,DC=corp,DC=example,DC=com&ObjectName=jsmith
X-Api-Key: your-api-key
```

GET /api/Search4Object

Search for objects. Finds users, OUs, groups and/or computers whose name contains the search text.

Name	In	Type	Required	Description
LDAP_Path	query	string	Yes	LDAPS://OU=Users,DC=corp,DC=example,DC=com (or just the distinguished name). Any host part is ignored.
Search4	query	string	Yes	Part of a name, or * for everything.
SearchVIA	query	string	Yes	Users, OU, Groups, Computers, Users/OU, or * for everything. Combine with commas, e.g. Users,Groups.

Example request

```
GET /api/Search4Object
    ?LDAP_Path=LDAPS://OU=Users,DC=corp,DC=example,DC=com
    &Search4=smith
    &SearchVIA=Users
X-Api-Key: your-api-key
```

Fine-grained password policies

POST /api/CreateFineGrainedPasswordPolicy

Create a fine-grained password policy. Creates a policy (Precedence is required). TimeSpans use d.hh:mm:ss.

Name	In	Type	Required	Description
`FineGrainedPasswordPolicy`	body	FineGrainedPasswordPolicyRequest	Yes	JSON request body, schema `FineGrainedPasswordPolicyRequest`.

Example request

```
POST /api/CreateFineGrainedPasswordPolicy
X-Api-Key: your-api-key
Content-Type: application/json

{
  "Name": "string"
}
```

PUT /api/UpdateFineGrainedPasswordPolicy

Update a fine-grained password policy. Changes only the settings supplied in the body.

Name	In	Type	Required	Description
`FineGrainedPasswordPolicy`	body	FineGrainedPasswordPolicyRequest	Yes	JSON request body, schema `FineGrainedPasswordPolicyRequest`.

Example request

```
PUT /api/UpdateFineGrainedPasswordPolicy
X-Api-Key: your-api-key
Content-Type: application/json

{
  "Name": "string"
}
```

DELETE /api/DeleteFineGrainedPasswordPolicy

Delete a fine-grained password policy. Permanently deletes the policy.

Name	In	Type	Required	Description
`PolicyName`	query	string	Yes	Name of the fine-grained password policy.

Example request

```
DELETE /api/DeleteFineGrainedPasswordPolicy?PolicyName=StrictPolicy
X-Api-Key: your-api-key
```

GET /api/GetFineGrainedPasswordPolicy

Get a fine-grained password policy. Returns the policy by name.

Name	In	Type	Required	Description
`PolicyName`	query	string	Yes	Name of the fine-grained password policy.

Example request

```
GET /api/GetFineGrainedPasswordPolicy?PolicyName=StrictPolicy
X-Api-Key: your-api-key
```

GET /api/GetFineGrainedPasswordPolicyEX

Get a fine-grained password policy (extended). Returns the policy by distinguished name, plus the users/groups it applies to.

Name	In	Type	Required	Description
PolicyDistinguishedName	query	string	Yes	Distinguished name of the policy.

Example request

```
GET /api/GetFineGrainedPasswordPolicyEX?PolicyDistinguishedName=<PolicyDistinguishedName>
X-Api-Key: your-api-key
```

POST /api/ApplyFineGrainedPasswordPolicy

Apply a fine-grained password policy. Applies the policy to a security group.

Name	In	Type	Required	Description
PolicyName	query	string	Yes	Name of the fine-grained password policy.
SecurityGroupName	query	string	Yes	Name of the security group.

Example request

```
POST /api/ApplyFineGrainedPasswordPolicy
    ?PolicyName=StrictPolicy
    &SecurityGroupName=<SecurityGroupName>
X-Api-Key: your-api-key
```

DELETE /api/RemoveFineGrainedPasswordPolicyFrom

Remove a fine-grained password policy. Removes the policy from a user or group.

Name	In	Type	Required	Description
PolicyName	query	string	Yes	Name of the fine-grained password policy.
UserGroupName	query	string	Yes	Name of the user or group.

Example request

```
DELETE /api/RemoveFineGrainedPasswordPolicyFrom
    ?PolicyName=StrictPolicy
    &UserGroupName=<UserGroupName>
X-Api-Key: your-api-key
```

GET /api/GetUserFineGrainedPasswordPolicy

Get a user's password policy. Returns the policy that effectively applies to the user.

Name	In	Type	Required	Description
LDAP_Path	query	string	Yes	LDAPS://OU=Users,DC=corp,DC=example,DC=com (or just the distinguished name). Any host part is ignored.
UserName	query	string	Yes	SAMAccountName or UserPrincipalName

Example request

```
GET /api/GetUserFineGrainedPasswordPolicy
    ?LDAP_Path=LDAPS://OU=Users,DC=corp,DC=example,DC=com
    &UserName=jsmith
X-Api-Key: your-api-key
```

Schemas

NewUserRequest

Property	Type	Required	Description
SamAccountName	string	Yes	Required. Logon name (pre-Windows 2000), max 20 characters.
AccountPassword	string	Yes	Required. Initial password; must satisfy the password policy. Never logged.
Name	string	No	Common name (CN). Defaults to DisplayName, then 'GivenName Surname', then SamAccountName.
UserPrincipalName	string	No	Logon name in the form user@domain.com.
GivenName	string	No	First name.
Surname	string	No	Last name.
DisplayName	string	No	Name shown in address lists.
Description	string	No	Free-text description.
EmailAddress	string	No	E-mail address (mail attribute).
Title	string	No	Job title.
Department	string	No	Department.
Company	string	No	Company.
Office	string	No	Office location.
OfficePhone	string	No	Office telephone number.
MobilePhone	string	No	Mobile telephone number.
EmployeeID	string	No	Employee ID.
Manager	string	No	Manager's distinguished name or sAMAccountName.
Enabled	boolean	No	Create the account enabled (default true).
PasswordNeverExpires	boolean	No	true = the password never expires.
ChangePasswordAtLogon	boolean	No	true = the user must change the password at next logon.
CannotChangePassword	boolean	No	true = the user cannot change the password.

Example (required fields only):

```
{
  "SamAccountName": "string",
  "AccountPassword": "P@ssw0rd!"
}
```

UserAttributeRequest

Property	Type	Required	Description
Attributes	object (name: string)	Yes	LDAP attribute name -> new value, e.g. {"department": "IT"}. A null or empty value clears the attribute. Password attributes are blocked.

Example (required fields only):

```
{
  "Attributes": {
    "department": "IT"
  }
}
```

AuthenticateUserRequest

Property	Type	Required	Description
LDAP_Path	string	Yes	LDAPS://OU=Users,DC=corp,DC=example,DC=com (or just the distinguished name) to search for the user.
UserName	string	Yes	SAMAccountName or UserPrincipalName.
UserPassword	string	Yes	The user's password. Never logged.

Example (required fields only):

```
{
  "LDAP_Path": "LDAPS://OU=Users,DC=corp,DC=example,DC=com",
  "UserName": "jsmith",
  "UserPassword": "P@ssw0rd!"
}
```

ChangeUserPasswordRequest

Property	Type	Required	Description
LDAP_Path	string	Yes	LDAPS://OU=Users,DC=corp,DC=example,DC=com (or just the distinguished name) to search for the user.
UserName	string	Yes	SAMAccountName or UserPrincipalName.
UserCurrentPassword	string	Yes	The user's current password. Never logged.
UserNewPassword	string	Yes	The new password; must satisfy the password policy. Never logged.

Example (required fields only):

```
{
  "LDAP_Path": "LDAPS://OU=Users,DC=corp,DC=example,DC=com",
  "UserName": "jsmith",
  "UserCurrentPassword": "P@ssw0rd!",
  "UserNewPassword": "P@ssw0rd!"
}
```

ResetUserPasswordRequest

Property	Type	Required	Description
LDAP_Path	string	Yes	LDAPS://OU=Users,DC=corp,DC=example,DC=com (or just the distinguished name) to search for the user.
UserName	string	Yes	SAMAccountName or UserPrincipalName.
UserPassword	string	Yes	The new password; must satisfy the password policy. Never logged.

Example (required fields only):

```
{
  "LDAP_Path": "LDAPS://OU=Users,DC=corp,DC=example,DC=com",
  "UserName": "jsmith",
  "UserPassword": "P@ssw0rd!"
}
```

FineGrainedPasswordPolicyRequest

Body for Create/UpdateFineGrainedPasswordPolicy. TimeSpans use "d.hh:mm:ss" (e.g. "30.00:00:00").

Property	Type	Required	Description
Name	string	Yes	Required. Policy name (identifies the policy when updating).
Precedence	integer	No	Required when creating. Lower number = higher priority when several policies apply.
ComplexityEnabled	boolean	No	Require complex passwords.

Property	Type	Required	Description
`LockoutDuration`	string (d.hh:mm:ss)	No	How long an account stays locked, as d.hh:mm:ss (e.g. 00:30:00).
`LockoutObservationWindow`	string (d.hh:mm:ss)	No	Window in which failed logons are counted, as d.hh:mm:ss.
`LockoutThreshold`	integer	No	Failed logons before lockout (0 = never lock out).
`MaxPasswordAge`	string (d.hh:mm:ss)	No	Maximum password age, as d.hh:mm:ss (e.g. 90.00:00:00).
`MinPasswordAge`	string (d.hh:mm:ss)	No	Minimum password age, as d.hh:mm:ss (e.g. 1.00:00:00).
`MinPasswordLength`	integer	No	Minimum password length.
`PasswordHistoryCount`	integer	No	Number of previous passwords that cannot be reused.
`ReversibleEncryptionEnabled`	boolean	No	Store passwords with reversible encryption (leave false unless an app requires it).
`ProtectedFromAccidentalDeletion`	boolean	No	Protect the policy object from accidental deletion.
`DisplayName`	string	No	Display name.
`Description`	string	No	Free-text description.

Example (required fields only):

```
{
  "Name": "string"
}
```

ApiResponse (envelope)

Property	Type	Description
`Success`	boolean	true when the call worked
`Data`	object	Method-specific result; null on failure
`Error`	string	Error message; null on success

HealthReport (HealthCheck response)

Property	Type	Description
`Healthy`	boolean	true when every check passed (HTTP 200, otherwise 503)
`Utc`	string (date-time)	Time of the check
`Server`	string	Name of the web server that answered
`Checks`	array of HealthCheckItem	One item per check

HealthCheckItem

Property	Type	Description
`Name`	string	Check name (web server PowerShell, WinRM, LDAPS TLS, Active Directory session)
`Ok`	boolean	Whether the check passed
`ElapsedMs`	integer	Time taken in milliseconds
`Detail`	string	Result details or the error message