



Windows PowerShell Get-Help on Cmdlet 'New-AzADUser'

PS:\>Get-HELP New-AzADUser -Full

NAME

New-AzADUser

SYNOPSIS

Adds new entity to users

SYNTAX

```
New-AzADUser -DisplayName <String> -MailNickname <String> -UserPrincipalName <String> -Password
<SecureString> [-AboutMe <String>] [-AccountEnabled <Boolean>]
[-AgeGroup <String>] [-Birthday <DateTime>] [-City <String>] [-CompanyName <String>] [-ConsentProvidedForMinor
<String>] [-Country <String>] [-DeletedDateTime
<DateTime>] [-Department <String>] [-DeviceEnrollmentLimit <Int32>] [-EmployeeHireDate <DateTime>] [-EmployeeId
<String>] [-EmployeeType <String>] [-ExternalUserState
<String>] [-ExternalUserStateChangeDateTime <DateTime>] [-FaxNumber <String>] [-GivenName <String>] [-HireDate
<DateTime>] [-Interest <String[]>] [-IsResourceAccount]
[-JobTitle <String>] [-Mail <String>] [-MobilePhone <String>] [-MySite <String>] [-OfficeLocation <String>] [-ImmutableId
<String>] [-OtherMail <String[]>]
[-PasswordPolicy <String>] [-PostalCode <String>] [-PreferredLanguage <String>] [-PreferredName <String>]
[-Responsibility <String[]>] [-School <String[]>]
```

[-ShowInAddressList] [-Skill <String[]>] [-State <String>] [-StreetAddress <String>] [-Surname <String>] [-UsageLocation <String>] [-UserType <String>]

[-ForceChangePasswordNextLogin] [-DefaultProfile <PSObject>] [-Break] [-HttpPipelineAppend <SendAsyncStep[]>] [-HttpPipelinePrepend <SendAsyncStep[]>] [-Proxy <Uri>]

[-ProxyCredential <PSCredential>] [-ProxyUseDefaultCredentials] [-WhatIf] [-Confirm] [<CommonParameters>]

New-AzADUser -DisplayName <String> -MailNickname <String> -UserPrincipalName <String> [-AboutMe <String>] [-AccountEnabled <Boolean>] [-AgeGroup <String>] [-Birthday <DateTime>] [-City <String>] [-CompanyName <String>] [-ConsentProvidedForMinor <String>] [-Country <String>] [-DeletedDateTime <DateTime>] [-Department <String>] [-DeviceEnrollmentLimit <Int32>] [-EmployeeHireDate <DateTime>] [-EmployeeId <String>] [-EmployeeType <String>] [-ExternalUserState <String>] [-ExternalUserStateChangeDateTime <DateTime>] [-FaxNumber <String>] [-GivenName <String>] [-HireDate <DateTime>] [-Interest <String[]>] [-IsResourceAccount] [-JobTitle <String>] [-Mail <String>] [-MobilePhone <String>] [-MySite <String>] [-OfficeLocation <String>] [-ImmutableId <String>] [-OtherMail <String[]>] [-PasswordPolicy <String>] [-PostalCode <String>] [-PreferredLanguage <String>] [-PreferredName <String>] [-Responsibility <String[]>] [-School <String[]>] [-ShowInAddressList] [-Skill <String[]>] [-State <String>] [-StreetAddress <String>] [-Surname <String>] [-UsageLocation <String>] [-UserType <String>] [-PasswordProfile <IMicrosoftGraphPasswordProfile>] [-DefaultProfile <PSObject>] [-Break] [-HttpPipelineAppend <SendAsyncStep[]>] [-HttpPipelinePrepend <SendAsyncStep[]>] [-Proxy <Uri>] [-ProxyCredential <PSCredential>] [-ProxyUseDefaultCredentials] [-WhatIf] [-Confirm] [<CommonParameters>]

DESCRIPTION

Adds new entity to users

PARAMETERS

-DisplayName <String>

The name displayed in the address book for the user.

This value is usually the combination of the user's first name, middle initial, and last name.

This property is required when a user is created and it cannot be cleared during updates.

Maximum length is 256 characters.

Supports \$filter (eq, ne, NOT , ge, le, in, startsWith), \$orderBy, and \$search.

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-MailNickname <String>

The mail alias for the user.

This property must be specified when a user is created.

Maximum length is 64 characters.

Supports \$filter (eq, ne, NOT, ge, le, in, startsWith).

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-UserPrincipalName <String>

The user principal name (UPN) of the user.

The UPN is an Internet-style login name for the user based on the Internet standard RFC 822.

By convention, this should map to the user's email name.

The general format is alias@domain, where domain must be present in the tenant's collection of verified domains.

This property is required when a user is created.

The verified domains for the tenant can be accessed from the verifiedDomains property of organization. NOTE: While this property can contain accent characters,

they can cause access issues to first-party applications for the user.

Supports \$filter (eq, ne, NOT, ge, le, in, startsWith, endsWith) and \$orderBy.

Required? true
Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-Password <SecureString>

Password for the user.

It must meet the tenant's password complexity requirements.

It is recommended to set a strong password.

Required? true
Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-AboutMe <String>

A freeform text entry field for the user to describe themselves.

Returned only on \$select.

Required? false
Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-AccountEnabled <Boolean>

true for enabling the account; otherwise, false.

Required? false
Position? named
Default value False

Accept pipeline input? false

Accept wildcard characters? false

-AgeGroup <String>

Sets the age group of the user.

Allowed values: null, minor, notAdult and adult.

Refer to the legal age group property definitions for further information.

Supports \$filter (eq, ne, NOT, and in).

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-Birthday <DateTime>

The birthday of the user.

The Timestamp type represents date and time information using ISO 8601 format and is always in UTC time.

For example, midnight UTC on Jan 1, 2014 is 2014-01-01T00:00:00Z Returned only on \$select.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-City <String>

The city in which the user is located.

Maximum length is 128 characters.

Supports \$filter (eq, ne, NOT, ge, le, in, startsWith).

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-CompanyName <String>

The company name which the user is associated.

This property can be useful for describing the company that an external user comes from.

The maximum length of the company name is 64 characters.Supports \$filter (eq, ne, NOT, ge, le, in, startsWith).

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ConsentProvidedForMinor <String>

Sets whether consent has been obtained for minors.

Allowed values: null, granted, denied and notRequired.

Refer to the legal age group property definitions for further information.

Supports \$filter (eq, ne, NOT, and in).

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-Country <String>

The country/region in which the user is located; for example, US or UK.

Maximum length is 128 characters.

Supports \$filter (eq, ne, NOT, ge, le, in, startsWith).

Required? false

Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-DeletedDateTime <DateTime>

.

Required? false
Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-Department <String>

The name for the department in which the user works.
Maximum length is 64 characters.Supports \$filter (eq, ne, NOT , ge, le, and in operators).

Required? false
Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-DeviceEnrollmentLimit <Int32>

The limit on the maximum number of devices that the user is permitted to enroll.
Allowed values are 5 or 1000.

Required? false
Position? named
Default value 0
Accept pipeline input? false
Accept wildcard characters? false

-EmployeeHireDate <DateTime>

The date and time when the user was hired or will start work in case of a future hire.

Supports \$filter (eq, ne, NOT , ge, le, in).

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-EmployeeId <String>

The employee identifier assigned to the user by the organization.

Supports \$filter (eq, ne, NOT , ge, le, in, startsWith).

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-EmployeeType <String>

Captures enterprise worker type.

For example, Employee, Contractor, Consultant, or Vendor.

Supports \$filter (eq, ne, NOT , ge, le, in, startsWith).

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ExternalUserState <String>

For an external user invited to the tenant using the invitation API, this property represents the invited user's invitation status.

For invited users, the state can be PendingAcceptance or Accepted, or null for all other users.

Supports \$filter (eq, ne, NOT , in).

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ExternalUserStateChangeDateTime <DateTime>

Shows the timestamp for the latest change to the externalUserState property.

Supports \$filter (eq, ne, NOT , in).

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-FaxNumber <String>

The fax number of the user.

Supports \$filter (eq, ne, NOT , ge, le, in, startsWith).

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-GivenName <String>

The given name (first name) of the user.

Maximum length is 64 characters.

Supports \$filter (eq, ne, NOT , ge, le, in, startsWith).

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-HireDate <DateTime>

The hire date of the user.

The Timestamp type represents date and time information using ISO 8601 format and is always in UTC time.

For example, midnight UTC on Jan 1, 2014 is 2014-01-01T00:00:00Z.

Returned only on \$select.

Note: This property is specific to SharePoint Online.

We recommend using the native employeeHireDate property to set and update hire date values using Microsoft Graph APIs.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-Interest <String[]>

A list for the user to describe their interests.

Returned only on \$select.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-IsResourceAccount [<SwitchParameter>]

Do not use "??" reserved for future use.

Required? false

Position? named

Default value False

Accept pipeline input? false

Accept wildcard characters? false

-JobTitle <String>

The user's job title.

Maximum length is 128 characters.

Supports \$filter (eq, ne, NOT , ge, le, in, startsWith).

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-Mail <String>

The SMTP address for the user, for example, admin@contoso.com.

Changes to this property will also update the user's proxyAddresses collection to include the value as an SMTP address.

While this property can contain accent characters, using them can cause access issues with other Microsoft applications for the user.

Supports \$filter (eq, ne, NOT, ge, le, in, startsWith, endsWith).

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-MobilePhone <String>

The primary cellular telephone number for the user.

Read-only for users synced from on-premises directory.

Supports \$filter (eq, ne, NOT, ge, le, in, startsWith).

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-MySite <String>

The URL for the user's personal site.

Returned only on \$select.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-OfficeLocation <String>

The office location in the user's place of business.

Maximum length is 128 characters.

Supports \$filter (eq, ne, NOT, ge, le, in, startsWith).

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ImmutableId <String>

This property is used to associate an on-premises Active Directory user account to their Azure AD user object.

This property must be specified when creating a new user account in the Graph if you are using a federated domain for the user's userPrincipalName (UPN) property.

NOTE: The \$ and _ characters cannot be used when specifying this property.

Returned only on \$select.

Supports \$filter (eq, ne, NOT, ge, le, in)..

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-OtherMail <String[]>

A list of additional email addresses for the user; for example: ['bob@contoso.com', 'Robert@fabrikam.com'].NOTE:

While this property can contain accent

characters, they can cause access issues to first-party applications for the user.Supports \$filter (eq, NOT, ge, le, in, startsWith).

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-PasswordPolicy <String>

Specifies password policies for the user.

This value is an enumeration with one possible value being DisableStrongPassword, which allows weaker passwords than the default policy to be specified.

DisablePasswordExpiration can also be specified.

The two may be specified together; for example: DisablePasswordExpiration, DisableStrongPassword.Supports \$filter

(ne, NOT).

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-PostalCode <String>

The postal code for the user's postal address.

The postal code is specific to the user's country/region.

In the United States of America, this attribute contains the ZIP code.

Maximum length is 40 characters.

Supports \$filter (eq, ne, NOT, ge, le, in, startsWith).

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-PreferredLanguage <String>

The preferred language for the user.

Should follow ISO 639-1 Code; for example en-US.

Supports \$filter (eq, ne, NOT, ge, le, in, startsWith).

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-PreferredName <String>

The preferred name for the user.

Returned only on \$select.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-Responsibility <String[]>

A list for the user to enumerate their responsibilities.

Returned only on \$select.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-School <String[]>

A list for the user to enumerate the schools they have attended.

Returned only on \$select.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ShowInAddressList [<SwitchParameter>]

true if the Outlook global address list should contain this user, otherwise false.

If not set, this will be treated as true.

For users invited through the invitation manager, this property will be set to false.

Supports \$filter (eq, ne, NOT, in).

Required? false

Position? named

Default value False

Accept pipeline input? false

Accept wildcard characters? false

-Skill <String[]>

A list for the user to enumerate their skills.

Returned only on \$select.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-State <String>

The state or province in the user's address.

Maximum length is 128 characters.

Supports \$filter (eq, ne, NOT, ge, le, in, startsWith).

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-StreetAddress <String>

The street address of the user's place of business.

Maximum length is 1024 characters.

Supports \$filter (eq, ne, NOT, ge, le, in, startsWith).

Required? false
Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-Surname <String>

The user's surname (family name or last name).
Maximum length is 64 characters.
Supports \$filter (eq, ne, NOT, ge, le, in, startsWith).

Required? false
Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-UsageLocation <String>

A two letter country code (ISO standard 3166).

Required for users that will be assigned licenses due to legal requirement to check for availability of services in countries.

Examples include: US, JP, and GB.
Not nullable.
Supports \$filter (eq, ne, NOT, ge, le, in, startsWith).

Required? false
Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-UserType <String>

A string value that can be used to classify user types in your directory, such as Member and Guest.

Supports \$filter (eq, ne, NOT, in,).

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ForceChangePasswordNextLogin [<SwitchParameter>]

It must be specified if the user must change the password on the next successful login (true).

Default behavior is (false) to not change the password on the next successful login.

Required? false

Position? named

Default value False

Accept pipeline input? false

Accept wildcard characters? false

-PasswordProfile <IMicrosoftGraphPasswordProfile>

passwordProfile

To construct, see NOTES section for PASSWORDPROFILE properties and create a hash table.

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-DefaultProfile <PSObject>

The credentials, account, tenant, and subscription used for communication with Azure.

Required? false

Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-Break [<SwitchParameter>]

Wait for .NET debugger to attach

Required? false
Position? named
Default value False
Accept pipeline input? false
Accept wildcard characters? false

-HttpPipelineAppend <SendAsyncStep[]>

SendAsync Pipeline Steps to be appended to the front of the pipeline

Required? false
Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-HttpPipelinePrepend <SendAsyncStep[]>

SendAsync Pipeline Steps to be prepended to the front of the pipeline

Required? false
Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-Proxy <Uri>

The URI for the proxy server to use

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ProxyCredential <PSCredential>

Credentials for a proxy server to use for the remote call

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ProxyUseDefaultCredentials [<SwitchParameter>]

Use the default credentials for the proxy

Required? false

Position? named

Default value False

Accept pipeline input? false

Accept wildcard characters? false

-WhatIf [<SwitchParameter>]

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-Confirm [<SwitchParameter>]

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

<CommonParameters>

This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (<https://go.microsoft.com/fwlink/?LinkID=113216>).

INPUTS

OUTPUTS

Microsoft.Azure.PowerShell.Cmdlets.Resources.MSGraph.Models.ApiV10.IMicrosoftGraphUser

NOTES

COMPLEX PARAMETER PROPERTIES

To create the parameters described below, construct a hash table containing the appropriate properties. For information on hash tables, run Get-Help

about_Hash_Tables.

PASSWORDPROFILE <IMicrosoftGraphPasswordProfile>: passwordProfile

[(Any) <Object>]: This indicates any property can be added to this object.

[ForceChangePasswordNextSignIn <Boolean?>]: true if the user must change her password on the next login;

otherwise false. If not set, default is false. NOTE:

For Azure B2C tenants, set to false and instead use custom policies and user flows to force password reset at first sign in. See Force password reset at first logon.

[ForceChangePasswordNextSignInWithMfa <Boolean?>]: If true, at next sign-in, the user must perform a multi-factor authentication (MFA) before being forced to

change their password. The behavior is identical to forceChangePasswordNextSignIn except that the user is required to first perform a multi-factor authentication

before password change. After a password change, this property will be automatically reset to false. If not set, default is false.

[Password <String>]: The password for the user. This property is required when a user is created. It can be updated, but the user will be required to change the

password on the next login. The password must satisfy minimum requirements as specified by the user's passwordPolicies property. By default, a strong password is required.

----- EXAMPLE 1 -----

```
PS C:\>$password = "xxxxxxxxx"

$pp = New-Object -TypeName "Microsoft.Azure.PowerShell.Cmdlets.Resources.MSGraph.Models.ApiV10.IMicrosoftGraphPasswordProfile" -Property @{Password=$password}

New-AzADUser -DisplayName $uname -PasswordProfile $pp -AccountEnabled $true -MailNickname $nickname -UserPrincipalName $upn
```

----- EXAMPLE 2 -----

```
PS C:\>$password = "xxxxxxxxx"
```

```
$password = ConvertTo-SecureString -AsPlainText -Force $password
```

```
New-AzADUser -DisplayName $uname -Password $password -AccountEnabled $true -MailNickname $nickname  
-UserPrincipalName $upn
```

RELATED LINKS

<https://learn.microsoft.com/powershell/module/az.resources/new-azaduser>