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Set-ADUser

Module: addsadministration

Modifies an Active Directory user.

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```

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```
Set-ADUser
    [-WhatIf]
```

```
    [-Confirm]
    [-AuthType <ADAuthType>]
    [-Credential <PSCredential>]
    -Instance <ADUser>
    [-PassThru]
    [-SamAccountName <String>]
    [-Server <String>]
    [<CommonParameters>]
```

Description

The **Set-ADUser** cmdlet modifies the properties of an Active Directory user. You can modify commonly used property values by using the cmdlet parameters. You can set property values that are not associated with cmdlet parameters by using the *Add*, *Remove*, *Replace*, and *Clear* parameters.

The *Identity* parameter specifies the Active Directory user to modify. You can identify a user by its distinguished name, GUID, security identifier (SID), or Security Account Manager (SAM) account name. You can also set the *Identity* parameter to an object variable such as `$<localUserObject>`, or you can pass an object through the pipeline to the *Identity* parameter. For example, you can use the **Get-ADUser** cmdlet to retrieve a user object and then pass the object through the pipeline to the **Set-ADUser** cmdlet.

The *Instance* parameter provides a way to update a user object by applying the changes made to a copy of the object. When you set the *Instance* parameter to a copy of an Active Directory user object that has been modified, the **Set-ADUser** cmdlet makes the same changes to the original user object. To get a copy of the object to modify, use the **Get-ADUser** object. The *Identity* parameter is not allowed when you use the *Instance* parameter. For more information about the *Instance* parameter, see the *Instance* parameter description.

Accounts created with the **New-ADUser** cmdlet are disabled if no password is provided.

For AD LDS environments, the *Partition* parameter must be specified except in the following two conditions:

- The cmdlet is run from an Active Directory provider drive.
- A default naming context or partition is defined for the AD LDS environment. To specify a default naming context for an AD LDS environment, set the **msDS-defaultNamingContext** property of the Active Directory directory service agent object (**nTDSDSA**) for the AD LDS instance.

Examples

Example 1: Set properties for a user

PowerShell   Copy

```
PS C:\> Set-ADUser -Identity ChewDavid -HomePage 'http://fabrikam.com/employees/ChewDavid'
-LogonWorkstations 'ChewDavid-DSKTOP,ChewDavid-LPTOP'
```

This command sets the specified user's **homepage** property to
http://fabrikam.com/employees/ChewDavid and the **LogonWorkstations** property to ChewDavid-DSKTOP,ChewDavid-LPTOP.

Example 2: Set properties for multiple users

```PowerShell
PS C:\> Get-ADUser -Filter 'Name -like "*"' -SearchBase
'OU=HumanResources,OU=UserAccounts,DC=FABRIKAM,DC=COM' -Properties DisplayName | % {Set-
ADUser $_ -DisplayName ($_.Surname + ' ' + $_.GivenName)}
```

This command gets all the users in the directory that are located in the
OU=HumanResources,OU=UserAccounts,DC=FABRIKAM,DC=COM organizational unit. The command
sets the **DisplayName** property on these user objects to the concatenation of the **Surname** property and
the **GivenName** property.

Example 3: Set properties

```PowerShell
PS C:\> Set-ADUser -Identity GlenJohn -Replace
@{title="director";mail="glenjohn@fabrikam.com"}
```

This command sets the specified user's **title** property to director and the **mail** property to
glenjohn@fabrikam.com.

Example 4: Modify a user otherMailbox property

```PowerShell
PS C:\> Set-ADUser -Identity GlenJohn -Remove @{otherMailbox="glen.john"} -Add
@{url="fabrikam.com"} -Replace @{title="manager"} -Clear description
```

This command modifies the user with the SAM account name GlenJohn's object by removing glen.john
from the **otherMailbox** property, adding fabrikam.com to the **url** property, replacing the **title** property
with manager, and clearing the **description** property.

Example 5: Set user properties to a local instance

```PowerShell
PS C:\> $User = Get-ADUser -Identity GlenJohn -Properties mail,department
PS C:\> $User.mail = "glen@fabrikam.com"
PS C:\> $User.department = "Accounting"
PS C:\> Set-ADUser -Instance $User
```

This example sets the **mail** and **department** properties on the user object with the SAM account name GlenJohn by using the *Instance* parameter.

Example 6: Set attributes for a user

```powershell
PS C:\> $Hours = New-Object byte[] 21
PS C:\> $Hours[5] = 255; $Hours[8] = 255; $Hours[11] = 255; $Hours[14] = 255; $Hours[17] =
255;
PS C:\> $Hours[6] = 1; $Hours[9] = 1; $Hours[12] = 1; $Hours[15] = 1; $Hours[18] = 1;
PS C:\> $ReplaceHashTable = New-Object HashTable
PS C:\> $ReplaceHashTable.Add("logonHours", $Hours)
PS C:\> $ReplaceHashTable.Add("description", "Sarah Davis can only logon from Monday
through Friday from 8:00 AM to 5:00 PM")
PS C:\> Set-ADUser -Identity "SarahDavis" -Replace $ReplaceHashTable
```

This example sets the user logon hours to Monday through Friday from 8:00 AM to 5:00 PM and adds a description. It updates the **logonHours** attribute with the specified byte array and the **description** attribute with the specified string.

Example 7: Set a property for a user

```powershell
PS C:\> $Manager = Get-ADUser -Identity GlenJohn -Server Corp-DC01
PS C:\> Set-ADUser -Identity ChewDavid -Manager $Manager -Server Branch-DC02
```

This example sets the **Manager** property for the user with the SAM account name of ChewDavid where the manager, GlenJohn, is a user in another domain.

Example 8: Get a user and set a property

```powershell
PS C:\> Get-ADUser -Identity "DavidChew" | Set-ADUser -Manager "ElisaDaugherty"
```

This command modifies the **Manager** property for the DavidChew user. The command uses the **Get-ADUser** cmdlet to get the user DavidChew, and then passes the object to the current cmdlet by using the pipeline operator.

Required Parameters

-Identity

Specifies an Active Directory user object by providing one of the following property values. The identifier in parentheses is the LDAP display name for the attribute. The acceptable values for this parameter are:

- A distinguished name
- A GUID (objectGUID)
- A security identifier (objectSid)
- A SAM account name (sAMAccountName)

The cmdlet searches the default naming context or partition to find the object. If two or more objects are found, the cmdlet returns a non-terminating error.

This parameter can also get this object through the pipeline or you can set this parameter to an object instance.

Type:
ADUser

Position:
0

Default value:
None

Accept pipeline input:
True (ByValue)

Accept wildcard characters:
False

-Instance

Specifies an **ADUser** object that identifies the Active Directory user object that should be modified and the set of changes that should be made to that object. When this parameter is specified, any modifications made to the **ADUser** object are also made to the corresponding Active Directory object. The cmdlet only updates the object properties that have changed.

The **ADUser** object specified as the value of the *Instance* parameter must have been retrieved by using the **Get-ADUser** cmdlet. When you specify the *Instance* parameter, you cannot specify other parameters that set individual properties on the object.

Type:
ADUser

Position:

Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

Optional Parameters

-AccountExpirationDate

Specifies the expiration date for an account. When you set this parameter to 0, the account never expires. This parameter sets the AccountExpirationDate property of an account object. The LDAP display name (ldapDisplayName) for this property is accountExpires.

Use the **DateTime** syntax when you specify this parameter. Time is assumed to be local time unless otherwise specified. When a time value is not specified, the time is assumed to 12:00:00 AM local time. When a date is not specified, the date is assumed to be the current date.

Type:
DateTime

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-AccountNotDelegated

Indicates whether the security context of the user is delegated to a service. When this parameter is set to $True, the security context of the account is not delegated to a service even when the service account is set as trusted for Kerberos delegation. This parameter sets the **AccountNotDelegated**

property for an Active Directory account. This parameter also sets the **ADS_UF_NOT_DELEGATED** flag of the Active Directory User Account Control (UAC) attribute. The acceptable values for this parameter are:

- $False or 0
- $True or 1

Type:
Boolean

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-Add

Specifies values to add to an object property. Use this parameter to add one or more values to a property that cannot be modified using a cmdlet parameter. To modify an object property, you must use the LDAP display name. You can specify multiple values to a property by specifying a comma-separated list of values and more than one property by separating them using a semicolon. The format for this parameter is:

```
-Add @{Attribute1LDAPDisplayName=value1, value2, ...; Attribute2LDAPDisplayName=value1, value2, ...; AttributeNLDAPDisplayName=value1, value2, ...}
```

When you use the *Add*, *Remove*, *Replace*, and *Clear* parameters together, the operations will be performed in the following order:

- **Remove**
- **Add**
- **Replace**
- **Clear**

Type:
Hashtable

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-AllowReversiblePasswordEncryption

Indicates whether reversible password encryption is allowed for the account. This parameter sets the **AllowReversiblePasswordEncryption** property of the account. This parameter also sets the **ADS_UF_ENCRYPTED_TEXT_PASSWORD_ALLOWED** flag of the Active Directory User Account Control (UAC) attribute. The acceptable values for this parameter are:

- $False or 0
- $True or 1

Type:
Boolean

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-AuthType

Specifies the authentication method to use. The acceptable values for this parameter are:

- Negotiate or 0
- Basic or 1

The default authentication method is Negotiate.

A Secure Sockets Layer (SSL) connection is required for the Basic authentication method.

Type:
ADAuthType

Accepted values:
Negotiate, Basic

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-AuthenticationPolicy

Specifies an Active Directory Domain Services authentication policy object. Specify the authentication policy object in one of the following formats:

- Distinguished name
- GUID
- Name

This parameter can also get this object through the pipeline or you can set this parameter to an object instance.

The cmdlet searches the default naming context or partition to find the object. If the cmdlet finds two or more objects, the cmdlet returns a non-terminating error.

Type:
ADAuthenticationPolicy

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-AuthenticationPolicySilo

Specifies an Active Directory Domain Services authentication policy silo object. Specify the authentication policy silo object in one of the following formats:

- Distinguished name
- GUID
- Name

This parameter can also get this object through the pipeline or you can set this parameter to an object instance.

The cmdlet searches the default naming context or partition to find the object. If the cmdlet finds two or more objects, the cmdlet returns a non-terminating error.

Type:
ADAuthenticationPolicySilo

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-CannotChangePassword

Indicates whether the account password can be changed. This parameter sets the **CannotChangePassword** property of an account. The acceptable values for this parameter are:

- $False or 0
- $True or 1

Type:
Boolean

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-Certificates

Specifies an array of certificates. The cmdlet modifies the DER-encoded X.509v3 certificates of the account. These certificates include the public key certificates issued to this account by the Microsoft Certificate Service. This parameter sets the **Certificates** property of the account object. The Lightweight Directory Access Protocol (LDAP) display name (**ldapDisplayName**) for this property is userCertificate.

To add values:

```
-Certificates @{Add=value1,value2,...}
```

To remove values:

```
-Certificates @{Remove=value3,value4,...}
```

To replace values:

```
-Certificates @{Replace=value1,value2,...}
```

To clear all values:

```
-Certificates $Null
```

You can specify more than one operation by using a list separated by semicolons. For example, use the following syntax to add and remove **Certificates** values:

```
-Certificates @{Add=value1,value2,...};@{Remove=value3,value4,...}
```

The operators are applied in the following sequence:

- Remove

- Add
- Replace

Type:
Hashtable

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-ChangePasswordAtLogon

Indicates whether a password must be changed during the next logon attempt. The acceptable values for this parameter are:

- $False or 0
- $True or 1

Type:
Boolean

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-City

Specifies the user's town or city. This parameter sets the **City** property of a user object. The LDAP display name (**ldapDisplayName**) of this property is l.

Type:
String

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-Clear

Specifies an array of object properties that are cleared in the directory. Use this parameter to clear one or more values of a property that cannot be modified using a cmdlet parameter. To modify an object property, you must use the LDAP display name. You can modify more than one property by specifying a comma-separated list. The format for this parameter is:

```
-Clear Attribute1LDAPDisplayName, Attribute2LDAPDisplayName
```

When you use the *Add*, *Remove*, *Replace*, and *Clear* parameters together, the operations are performed in the following order:

- **Remove**
- **Add**
- **Replace**
- **Clear**

Type:
String[]

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-Company

Specifies the user's company. This parameter sets the **Company** property of a user object. The LDAP display name (**ldapDisplayName**) of this property is company.

Type:
String

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-CompoundIdentitySupported

Indicates whether an account supports Kerberos service tickets which includes the authorization data for the user's device. This value sets the compound identity supported flag of the Active Directory **msDS-SupportedEncryptionTypes** attribute. The acceptable values for this parameter are:

- $False or 0
- $True or 1

Warning: Domain-joined Windows systems and services such as clustering manage their own **msDS-SupportedEncryptionTypes** attribute. Therefore any changes to the flag on the **msDS-SupportedEncryptionTypes** attribute are overwritten by the service or system that manages the setting.

Type:
Boolean

Position:

Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-Confirm

Prompts you for confirmation before running the cmdlet.

Type:
SwitchParameter

Aliases:
cf

Position:
Named

Default value:
False

Accept pipeline input:
False

Accept wildcard characters:
False

-Country

Specifies the country or region code for the user's language of choice. This parameter sets the **Country** property of a user object. The LDAP display name (**ldapDisplayName**) of this property is c. This value is not used by Windows 2000.

Type:
String

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-Credential

Specifies the user account credentials to use to perform this task. The default credentials are the credentials of the currently logged on user unless the cmdlet is run from an Active Directory PowerShell provider drive. If the cmdlet is run from such a provider drive, the account associated with the drive is the default.

To specify this parameter, you can type a user name, such as User1 or Domain01\User01 or you can specify a **PSCredential** object. If you specify a user name for this parameter, the cmdlet prompts for a password.

You can also create a **PSCredential** object by using a script or by using the Get-Credential cmdlet. You can then set the *Credential* parameter to the **PSCredential** object.

If the acting credentials do not have directory-level permission to perform the task, Active Directory PowerShell returns a terminating error.

Type:
PSCredential

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-Department

Specifies the user's department. This parameter sets the **Department** property of a user object. The LDAP display name (**ldapDisplayName**) of this property is department.

Type:
String

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-Description

Specifies a description of the object. This parameter sets the value of the **Description** property for the user object. The LDAP display name (**ldapDisplayName**) for this property is description.

Type:
String

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-DisplayName

Specifies the display name of the object. This parameter sets the **DisplayName** property of the user object. The LDAP display name (**ldapDisplayName**) for this property is displayName.

Type:

String

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-Division

Specifies the user's division. This parameter sets the **Division** property of a user object. The LDAP display name (**ldapDisplayName**) of this property is division.

Type:
String

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-EmailAddress

Specifies the user's e-mail address. This parameter sets the **EmailAddress** property of a user object. The LDAP display name (**ldapDisplayName**) of this property is mail.

Type:
String

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-EmployeeID

Specifies the user's employee ID. This parameter sets the **EmployeeID** property of a user object. The LDAP display name (**ldapDisplayName**) of this property is employeeID.

Type:
String

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-EmployeeNumber

Specifies the user's employee number. This parameter sets the **EmployeeNumber** property of a user object. The LDAP display name (**ldapDisplayName**) of this property is employeeNumber.

Type:
String

Position:
Named

Default value:
None

Accept pipeline input:

False

Accept wildcard characters:
False

-Enabled

Indicates whether an account is enabled. An enabled account requires a password. This parameter sets the **Enabled** property for an account object. This parameter also sets the **ADS_UF_ACCOUNTDISABLE** flag of the Active Directory User Account Control (UAC) attribute. The acceptable values for this parameter are:

- $False or 0
- $True or 1

Type:
Boolean

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-Fax

Specifies the user's fax phone number. This parameter sets the **Fax** property of a user object. The LDAP display name (**ldapDisplayName**) of this property is facsimileTelephoneNumber.

Type:
String

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-GivenName

Specifies the user's given name. This parameter sets the **GivenName** property of a user object. The LDAP display name (**ldapDisplayName**) of this property is givenName.

Type:
String

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-HomeDirectory

Specifies a user's home directory. This parameter sets the **HomeDirectory** property of a user object. The LDAP display name (**ldapDisplayName**) for this property is homeDirectory.

Type:
String

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:

False

-HomeDrive

Specifies a drive that is associated with the UNC path defined by the **HomeDirectory** property. The drive letter is specified as `<DriveLetter>` : where `<DriveLetter>` indicates the letter of the drive to associate. The `<DriveLetter>` must be a single, uppercase letter and the colon is required. This parameter sets the **HomeDrive** property of the user object. The LDAP display name (**ldapDisplayName**) for this property is homeDrive.

Type:
String

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-HomePage

Specifies the URL of the home page of the object. This parameter sets the **homePage** property of an Active Directory object. The LDAP display name (**ldapDisplayName**) for this property is wWWHomePage.

Type:
String

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:

False

-HomePhone

Specifies the user's home telephone number. This parameter sets the **HomePhone** property of a user. The LDAP display name (**ldapDisplayName**) of this property is homePhone.

Type:
String

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-Initials

Specifies the initials that represent part of a user's name. You can use this value for the user's middle initial. This parameter sets the **Initials** property of a user. The LDAP display name (**ldapDisplayName**) of this property is initials.

Type:
String

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-KerberosEncryptionType

Specifies whether an account supports Kerberos encryption types which are used during creation of service tickets. This value sets the encryption types supported flags of the Active Directory **msDS-SupportedEncryptionTypes** attribute. The acceptable values for this parameter are:

- None
- DES
- RC4
- AES128
- AES256

None removes all encryption types from the account, resulting in the KDC being unable to issue service tickets for services using the account.

DES is a weak encryption type that is not supported by default since Windows 7 and Windows Server 2008 R2.

Warning: Domain-joined Windows systems and services such as clustering manage their own **msDS-SupportedEncryptionTypes** attribute. Therefore any changes to the flag on the **msDS-SupportedEncryptionTypes** attribute are overwritten by the service or system that manages the setting.

Type:
ADKerberosEncryptionType

Accepted values:
None, DES, RC4, AES128, AES256

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-LogonWorkstations

Specifies the computers that the user can access. To specify more than one computer, create a single comma-separated list. You can identify a computer by using the Security Account Manager (SAM) account name (sAMAccountName) or the DNS host name of the computer. The SAM account name is the same as the NetBIOS name of the computer.

The LDAP display name (**ldapDisplayName**) for this property is userWorkStations.

Type:
String

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-Manager

Specifies the user's manager. This parameter sets the **Manager** property of a user object. This parameter is set by providing one of the following property values. Note: The identifier in parentheses is the LDAP display name for the property. The acceptable values for this parameter are:

- A distinguished name
- A GUID (objectGUID)
- A security identifier (objectSid)
- A SAM account name (sAMAccountName)

The LDAP display name (**ldapDisplayName**) of this property is manager.

Type:
ADUser

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-MobilePhone

Specifies the user's mobile phone number. This parameter sets the **MobilePhone** property of a user object. The LDAP display name (**ldapDisplayName**) of this property is mobile.

Type:
String

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-Office

Specifies the location of the user's office or place of business. This parameter sets the **Office** property of a user object. The LDAP display name (**ldapDisplayName**) of this property is office.

Type:
String

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-OfficePhone

Specifies the user's office telephone number. This parameter sets the **OfficePhone** property of a user object. The LDAP display name (**ldapDisplayName**) of this property is telephoneNumber.

Type:
String

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-Organization

Specifies the user's organization. This parameter sets the **Organization** property of a user object. The LDAP display name (**ldapDisplayName**) of this property is o.

Type:
String

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-OtherName

Specifies a name in addition to a user's given name and surname, such as the user's middle name. This parameter sets the **OtherName** property of a user object. The LDAP display name (**ldapDisplayName**) of this property is middleName.

Type:
String

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-POBox

Specifies the user's post office box number. This parameter sets the **POBox** property of a user object. The LDAP display name (**ldapDisplayName**) of this property is postOfficeBox.

Type:
String

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-Partition

Specifies the distinguished name of an Active Directory partition. The distinguished name must be one of the naming contexts on the current directory server. The cmdlet searches this partition to find the object defined by the *Identity* parameter.

In many cases, a default value is used for the *Partition* parameter if no value is specified. The rules for determining the default value are given below. Note that rules listed first are evaluated first and when a default value can be determined, no further rules are evaluated.

In AD DS environments, a default value for *Partition* are set in the following cases:

- If the *Identity* parameter is set to a distinguished name, the default value of *Partition* is automatically generated from this distinguished name.
- If running cmdlets from an Active Directory provider drive, the default value of *Partition* is automatically generated from the current path in the drive.
- If none of the previous cases apply, the default value of *Partition* is set to the default partition or naming context of the target domain.

In AD LDS environments, a default value for *Partition* will be set in the following cases:

- If the *Identity* parameter is set to a distinguished name, the default value of *Partition* is automatically generated from this distinguished name.
- If running cmdlets from an Active Directory provider drive, the default value of *Partition* is automatically generated from the current path in the drive.
- If the target AD LDS instance has a default naming context, the default value of *Partition* is set to the default naming context. To specify a default naming context for an AD LDS environment, set the **msDS-defaultNamingContext** property of the Active Directory directory service agent object (**nTDSDSA**) for the AD LDS instance.
- If none of the previous cases apply, the *Partition* parameter does not take any default value.

Type:
String

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-PassThru

Returns an object representing the item with which you are working. By default, this cmdlet does not generate any output.

Type:
SwitchParameter

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-PasswordNeverExpires

Specifies whether the password of an account can expire. This parameter sets the
PasswordNeverExpires property of an account object. This parameter also sets the
ADS_UF_DONT_EXPIRE_PASSWD flag of the Active Directory User Account Control attribute. The
acceptable values for this parameter are:

- $False or 0
- $True or 1

Note: This parameter cannot be set to $True or 1 for an account that also has the
ChangePasswordAtLogon property set to $True.

Type:
Boolean

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-PasswordNotRequired

Specifies whether the account requires a password. This parameter sets the **PasswordNotRequired**
property of an account, such as a user or computer account. This parameter also sets the

ADS_UF_PASSWD_NOTREQD flag of the Active Directory User Account Control attribute. The acceptable values for this parameter are:

- $False or 0
- $True or 1

Type:
Boolean

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-PostalCode

Specifies the postal code or zip code. This parameter sets the **PostalCode** property of a user object. The LDAP display name (**ldapDisplayName**) of this property is postalCode.

Type:
String

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-PrincipalsAllowedToDelegateToAccount

Specifies an array of principal objects. This parameter sets the **msDS-AllowedToActOnBehalfOfOtherIdentity** attribute of a computer account object.

Type:
ADPrincipal[]

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-ProfilePath

Specifies a path to the user's profile. This value can be a local absolute path or a Universal Naming Convention (UNC) path. This parameter sets the **ProfilePath** property of the user object. The LDAP display name (**ldapDisplayName**) for this property is profilePath.

Type:
String

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-Remove

Specifies that the cmdlet remove values of an object property. Use this parameter to remove one or more values of a property that cannot be modified using a cmdlet parameter. To remove an object

property, you must use the LDAP display name. You can remove more than one property by specifying a semicolon-separated list. The format for this parameter is:

```
-Remove @{Attribute1LDAPDisplayName=value[]; Attribute2LDAPDisplayName=value[]}
```

When you use the *Add*, *Remove*, *Replace*, and *Clear* parameters together, the parameters are applied in the following sequence:

- **Remove**
- **Add**
- **Replace**
- **Clear**

Type:
Hashtable

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-Replace

Specifies values for an object property that will replace the current values. Use this parameter to replace one or more values of a property that cannot be modified using a cmdlet parameter. To modify an object property, you must use the LDAP display name. You can modify more than one property by specifying a comma-separated list. The format for this parameter is:

```
-Replace @{Attribute1LDAPDisplayName=value[], Attribute2LDAPDisplayName=value[]}
```

When you use the *Add*, *Remove*, *Replace*, and *Clear* parameters together, the operations will be performed in the following order:

- **Remove**
- **Add**
- **Replace**
- **Clear**

Type:
Hashtable

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-SamAccountName

Specifies the Security Account Manager (SAM) account name of the user, group, computer, or service account. The maximum length of the description is 256 characters. To be compatible with older operating systems, create a SAM account name that is 20 characters or less. This parameter sets the **SAMAccountName** for an account object. The LDAP display name (**ldapDisplayName**) for this property is sAMAccountName.

Note: If the string value provided is not terminated with a $ character, the system adds one if needed.

Type:
String

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-ScriptPath

Specifies a path to the user's log on script. This value can be a local absolute path or a Universal Naming Convention (UNC) path. This parameter sets the **ScriptPath** property of the user. The LDAP

display name (**ldapDisplayName**) for this property is scriptPath.

Type:
String

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

`-Server`

Specifies the AD DS instance to connect to, by providing one of the following values for a corresponding domain name or directory server. The service may be any of the following: AD LDS, AD DS, or Active Directory snapshot instance.

Specify the AD DS instance in one of the following ways:

Domain name values:

- Fully qualified domain name
- NetBIOS name

Directory server values:

- Fully qualified directory server name
- NetBIOS name
- Fully qualified directory server name and port

The default value for this parameter is determined by one of the following methods in the order that they are listed:

- By using the *Server* value from objects passed through the pipeline
- By using the server information associated with the AD DS Windows PowerShell provider drive, when the cmdlet runs in that drive
- By using the domain of the computer running Windows PowerShell

---

Type:
String

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-ServicePrincipalNames

Use the **DateTime** syntax when you specify this parameter. Time is assumed to be local time unless otherwise specified. When a time value is not specified, the time is assumed to 12:00:00 AM local time. When a date is not specified, the date is assumed to be the current date.

Type:
Hashtable

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-SmartcardLogonRequired

Indicates whether a smart card is required to logon. This parameter sets the **SmartCardLoginRequired** property for a user. This parameter also sets the **ADS_UF_SMARTCARD_REQUIRED** flag of the Active Directory User Account Control attribute. The acceptable values for this parameter are:

- $False or 0
- $True or 1

Type:
Boolean

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-State

Specifies the user's state or province. This parameter sets the **State** property of a user object. The LDAP display name (**ldapDisplayName**) of this property is st.

Type:
String

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-StreetAddress

Specifies the user's street address. This parameter sets the **StreetAddress** property of a user object. The LDAP display name (**ldapDisplayName**) of this property is streetAddress.

Type:
String

Position:

Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

`-Surname`

Specifies the user's last name or surname. This parameter sets the **Surname** property of a user object. The LDAP display name (**ldapDisplayName**) of this property is sn.

Type:
String

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

`-Title`

Specifies the user's title. This parameter sets the **Title** property of a user object. The LDAP display name (**ldapDisplayName**) of this property is title.

Type:
String

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-TrustedForDelegation

Specifies whether an account is trusted for Kerberos delegation. A service that runs under an account that is trusted for Kerberos delegation can assume the identity of a client requesting the service. This parameter sets the **TrustedForDelegation** property of an account object. This value also sets the **ADS_UF_TRUSTED_FOR_DELEGATION** flag of the Active Directory User Account Control attribute. The acceptable values for this parameter are:

- $False or 0
- $True or 1

Type:
Boolean

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-UserPrincipalName

Specifies a user principal name (UPN) in the format `<user>@<DNS-domain-name>`. A UPN is a friendly name assigned by an administrator that is shorter than the LDAP distinguished name used by the system and easier to remember. The UPN is independent of the user object's distinguished name, so a user object can be moved or renamed without affecting the user logon name. When logging on using a UPN, users don't have to choose a domain from a list on the logon dialog box.

Type:
String

Position:
Named

Default value:
None

Accept pipeline input:
False

Accept wildcard characters:
False

-WhatIf

Shows what would happen if the cmdlet runs. The cmdlet is not run.

Type:
SwitchParameter

Aliases:
wi

Position:
Named

Default value:
False

Accept pipeline input:
False

Accept wildcard characters:
False

Inputs

None or Microsoft.ActiveDirectory.Management.ADUser

A user object is received by the *Identity* parameter.

A user object that was retrieved by using the **Get-ADUser** cmdlet and then modified is received by the *Instance* parameter.

Outputs

None or Microsoft.ActiveDirectory.Management.ADUser

Returns the modified user object when the **PassThru** parameter is specified. By default, this cmdlet does not generate any output.

Notes

- This cmdlet does not work with an Active Directory snapshot.
- This cmdlet does not work with a read-only domain controller.

Related Links

- Get-ADUser
- New-ADUser
- Remove-ADUser
- Set-ADAccountControl