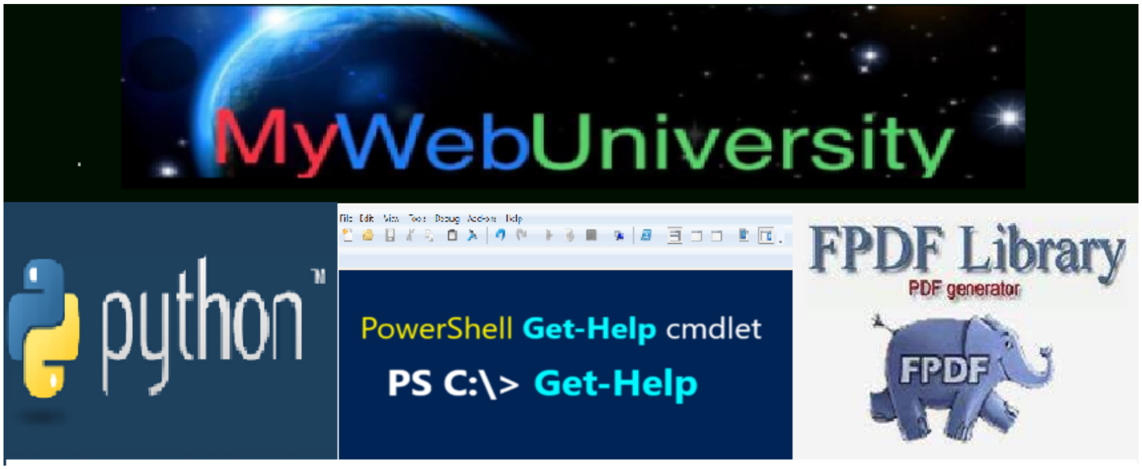

Full credit is given to all the above companies including the Operating System that this PDF file was generated!

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

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

NAME

New-ScheduledTaskPrincipal

SYNOPSIS

Creates an object that contains a scheduled task principal.

SYNTAX

New-ScheduledTaskPrincipal [-GroupId] <String> [[-RunLevel] {Limited | Highest}] [[-ProcessTokenSidType] {None | Unrestricted | Default}] [[-RequiredPrivilege]

<String[]>] [[-Id] <String>] [-AsJob] [-CimSession <CimSession[]>] [-ThrottleLimit <Int32>] [<CommonParameters>]

New-ScheduledTaskPrincipal [-UserId] <String> [[-LogonType] {None | Password | S4U | Interactive | Group | ServiceAccount | InteractiveOrPassword}] [[-RunLevel]

{Limited | Highest}] [[-ProcessTokenSidType] {None | Unrestricted | Default}] [[-RequiredPrivilege] <String[]>] [[-Id] <String>] [-AsJob] [-CimSession <CimSession[]>]

[-ThrottleLimit <Int32>] [<CommonParameters>]

DESCRIPTION

The New-ScheduledTaskPrincipal cmdlet creates an object that contains a scheduled task principal. Use a scheduled task principal to run a task under the security

context of a specified account. When you use a scheduled task principal, Task Scheduler can run the task regardless of whether that account is logged on.

You can use the definition of a scheduled task principal to register a new scheduled task or update an existing task registration.

PARAMETERS

-AsJob [<SwitchParameter>]

Runs the cmdlet as a background job. Use this parameter to run commands that take a long time to complete.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-CimSession <CimSession[]>

Runs the cmdlet in a remote session or on a remote computer. Enter a computer name or a session object, such as the output of a New-CimSession (https://go.microsoft.com/fwlink/p/?LinkId=227967) or [Get-CimSession](https://go.microsoft.com/fwlink/p/?LinkId=227966)cmdlet. The default is the current session

on the local computer.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-GroupId <String>

Specifies the ID of a user group that Task Scheduler uses to run the tasks that are associated with the principal.

Required?   true

Position?   0

Default value   None

Accept pipeline input?   False

Accept wildcard characters? false

-Id <String>

Specifies the ID of a scheduled task principal.

Required?   false

Position?   5

Default value   None

Accept pipeline input?   False

Accept wildcard characters? false

-LogonType <LogonTypeEnum>

Specifies the security logon method that Task Scheduler uses to run the tasks that are associated with the principal. The acceptable values for this parameter are:

- None

- Password

- S4U

- Interactive

- Group

- ServiceAccount

- InteractiveOrPassword

For more information about LogonType values, see Principal.LogonType (/windows/win32/taskschd/principal-logontype#property-value)

Required? false

Position? 1

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ProcessTokenSidType <ProcessTokenSidTypeEnum>

Specifies the security ID (SID) type of the process token. The acceptable values for this parameter are:

- None

- Unrestricted

- Default

Required? false

Position? 3

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-RequiredPrivilege <String[]>

Specifies an array of user rights that Task Scheduler uses to run the tasks that are associated with the principal. Specify the constant name that is associated

with a user right.

Required? false

Position? 4

Default value None

Accept pipeline input?   False

Accept wildcard characters? false

-RunLevel <RunLevelEnum>

Specifies the level of user rights that Task Scheduler uses to run the tasks that are associated with the principal. The acceptable values for this parameter are:

- Highest. Tasks run by using the highest privileges. - Limited. Tasks run by using the least-privileged user account (LUA).

Required?   false

Position?   2

Default value   None

Accept pipeline input?   False

Accept wildcard characters? false

-ThrottleLimit <Int32>

Specifies the maximum number of concurrent operations that can be established to run the cmdlet. If this parameter is omitted or a value of `0` is entered, then

Windows PowerShellr calculates an optimum throttle limit for the cmdlet based on the number of CIM cmdlets that are running on the computer. The throttle limit

applies only to the current cmdlet, not to the session or to the computer.

Required?   false

Position?   named

Default value   None

Accept pipeline input?   False

Accept wildcard characters? false

-UserId <String>

Specifies the user ID that Task Scheduler uses to run the tasks that are associated with the principal.

Required?   true

Position?   0

Default value   None

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.Management.Infrastructure.CimInstance#MSFT_TaskPrincipal

NOTES

Example 1: Register a scheduled task by using a user ID for a task principal

```
PS C:\>$Sta = New-ScheduledTaskAction -Execute "Cmd"
```

The second command creates a scheduled task principal. The **New-ScheduledTaskPrincipal** cmdlet specifies that Task Scheduler uses the Local Service account to run tasks, and that the Local Service account uses the Service Account logon. The command assigns the **ScheduledTaskPrincipal** object to the $STPrin variable.

```
PS C:\>$STPrin = New-ScheduledTaskPrincipal -UserId "LOCALSERVICE" -LogonType ServiceAccount
```

The third command registers the scheduled task Task01 to run the task action named Cmd. The **Principal** parameter specifies that the Task Scheduler uses the Local

Service account to run the task.

```
PS C:\>Register-ScheduledTask Task01 -Action $Sta -Principal $STPrin
```

This example registers a scheduled task that will run as the Local Service account.

The first command creates a scheduled task action named Cmd and assigns the ScheduledTaskAction object to the $Sta variable.

Example 2: Register a scheduled task by using a user group for a task principal

```
PS C:\>$Sta = New-ScheduledTaskAction cmd
```

The second command creates a scheduled task principal. The **New-ScheduledTaskPrincipal** cmdlet specifies that Task Scheduler uses the Administrators user group that

has the highest privileges to run tasks. The command assigns the **ScheduledTaskPrincipal** object to the $STPrin variable.

```
PS C:\>$STPrin = New-ScheduledTaskPrincipal -GroupId "BUILTIN\Administrators" -RunLevel Highest
```

The third command registers the scheduled task Task01 to run the task action named Cmd. The *Principal* parameter specifies that Task Scheduler uses the

Administrators user group to run the task.

```
PS C:\>Register-ScheduledTask Task01 -Action $Sta -Principal $STPrin
```

This example registers a scheduled task that runs under logged-in members of the Administrators user group that has the highest privileges.

The first command creates a scheduled task action named cmd and assigns the ScheduledTaskAction object to the $Sta variable.

RELATED LINKS

Online Version: https://learn.microsoft.com/powershell/module/scheduledtasks/new-scheduledtaskprincipal?view=windowsserver2022-ps&w

t.mc_id=ps-gethelp

- Get-ScheduledTaskInfo
- New-ScheduledTaskAction
- New-ScheduledTaskSettingsSet
- New-ScheduledTaskTrigger
- Register-ScheduledTask