



## ***Windows PowerShell Get-Help on Cmdlet 'Start-AzSynapseSparkSession'***

***PS:\>Get-HELP Start-AzSynapseSparkSession -Full***

### NAME

Start-AzSynapseSparkSession

### SYNOPSIS

Starts a Synapse Analytics Spark session.

### SYNTAX

```
Start-AzSynapseSparkSession [-AsJob] [-Configuration <System.Collections.Hashtable>] [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -ExecutorCount
<System.Int32> -ExecutorSize {Small | Medium | Large |
    XLarge | XXLarge | XXXLarge} [-Language {Spark | Scala | PySpark | Python | SparkDotNet | CSharp | SQL}] -Name
<System.String> [-ReferenceFile <System.String[]>]
    -SparkPoolName <System.String> -WorkspaceName <System.String> [-Confirm] [-WhatIf] [<CommonParameters>]
```

```
Start-AzSynapseSparkSession [-AsJob] [-Configuration <System.Collections.Hashtable>] [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -ExecutorCount
<System.Int32> -ExecutorSize {Small | Medium | Large |
    XLarge | XXLarge | XXXLarge} [-Language {Spark | Scala | PySpark | Python | SparkDotNet | CSharp | SQL}] -Name
<System.String> [-ReferenceFile <System.String[]>]
```

-SparkPoolObject <Microsoft.Azure.Commands.Synapse.Models.PSSynapseSparkPool> [-Confirm] [-WhatIf]  
[<CommonParameters>]

## DESCRIPTION

The Start-AzSynapseSparkSession cmdlet starts a Synapse Analytics Spark session.

## PARAMETERS

-AsJob <System.Management.Automation.SwitchParameter>

Run cmdlet in the background

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-Configuration <System.Collections.Hashtable>

Spark configuration properties.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>

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

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ExecutorCount <System.Int32>

Number of executors to be allocated in the specified Spark pool for the job.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ExecutorSize <System.String>

Number of core and memory to be used for executors allocated in the specified Spark pool for the job.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Language <System.String>

Language of the execution code.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Name <System.String>

Name of Spark session.

Required? true  
Position? named  
Default value None  
Accept pipeline input? False  
Accept wildcard characters? false

**-ReferenceFile <System.String[]>**

Additional files used for reference in the main definition file. Comma-separated storage URI list. e.g.

"abfss://filesystem@account.dfs.core.windows.net/file1.txt,abfss://filesystem@account.dfs.core.windows.net/result/"

Required? false  
Position? named  
Default value None  
Accept pipeline input? False  
Accept wildcard characters? false

**-SparkPoolName <System.String>**

Name of Synapse Spark pool.

Required? true  
Position? named  
Default value None  
Accept pipeline input? False  
Accept wildcard characters? false

**-SparkPoolObject <Microsoft.Azure.Commands.Synapse.Models.PSSynapseSparkPool>**

Spark pool input object, usually passed through the pipeline.

Required? true  
Position? named  
Default value None  
Accept pipeline input? True (ByValue)  
Accept wildcard characters? false

-WorkspaceName <System.String>

Name of Synapse workspace.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Confirm <System.Management.Automation.SwitchParameter>

Prompts you for confirmation before running the cmdlet.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-WhatIf <System.Management.Automation.SwitchParameter>

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

Required? false

Position? named

Default value False

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

Microsoft.Azure.Commands.Synapse.Models.PSSynapseSparkPool

## OUTPUTS

Microsoft.Azure.Commands.Synapse.Models.PSSynapseSparkSession

## NOTES

----- Example 1 -----

```
Start-AzSynapseSparkSession -WorkspaceName ContosoWorkspace -SparkPoolName ContosoSparkPool -Name  
ContosoSessionName -ExecutorCount 3 -ExecutorSize Small
```

This command starts an Azure Synapse Analytics Spark session.

----- Example 2 -----

```
$pool = Get-AzSynapseSparkPool -WorkspaceName ContosoWorkspace -Name ContosoSparkPool  
$pool | Start-AzSynapseSparkSession -Name ContosoSessionName -ExecutorCount 3 -ExecutorSize Small
```

This command starts an Azure Synapse Analytics Spark session through pipeline.

## RELATED LINKS

Online Version: <https://learn.microsoft.com/powershell/module/az.synapse/start-azsynapsesparksession>