



Windows PowerShell Get-Help on Cmdlet 'Get-AzBatchNodeFile'

PS:\>Get-HELP Get-AzBatchNodeFile -Full

NAME

Get-AzBatchNodeFile

SYNOPSIS

Gets the properties of Batch node files.

SYNTAX

```
Get-AzBatchNodeFile [[-ComputeNode] <Microsoft.Azure.Commands.Batch.Models.PSComputeNode>] -BatchContext
<Microsoft.Azure.Commands.Batch.BatchAccountContext>
```

```
[-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-Filter <System.String>] [-MaxCount <System.Int32>]
[-Recursive] [<CommonParameters>]
```

```
Get-AzBatchNodeFile [-PoolId] <System.String> [-ComputeNodeId] <System.String> [[-Path] <System.String>]
-BatchContext
<Microsoft.Azure.Commands.Batch.BatchAccountContext> [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[<CommonParameters>]
```

```

        Get-AzBatchNodeFile [-PoolId] <System.String> [-ComputeNodeId] <System.String> -BatchContext
<Microsoft.Azure.Commands.Batch.BatchAccountContext> [-DefaultProfile
        <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Filter
<System.String>] [-MaxCount <System.Int32>] [-Recursive]
        [<CommonParameters>]

```

```

Get-AzBatchNodeFile -BatchContext <Microsoft.Azure.Commands.Batch.BatchAccountContext> [-DefaultProfile
        <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Filter
<System.String>] -JobId <System.String> [-MaxCount <System.Int32>]
        [-Recursive] -TaskId <System.String> [<CommonParameters>]

```

```

        Get-AzBatchNodeFile [[-Task] <Microsoft.Azure.Commands.Batch.Models.PSCloudTask>] -BatchContext
<Microsoft.Azure.Commands.Batch.BatchAccountContext> [-DefaultProfile
        <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Filter
<System.String>] [-MaxCount <System.Int32>] [-Recursive]
        [<CommonParameters>]

```

```

                Get-AzBatchNodeFile [[-Path] <System.String>] -BatchContext
<Microsoft.Azure.Commands.Batch.BatchAccountContext> [-DefaultProfile
        <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -JobId
<System.String> -TaskId <System.String> [<CommonParameters>]

```

DESCRIPTION

The Get-AzBatchNodeFile cmdlet gets the properties of the Azure Batch node files of a task or compute node. To narrow your results, you can specify an Open Data

Protocol (OData) filter. If you specify a task, but not a filter, this cmdlet returns properties for all node files for that task. If you specify a compute node, but

not a filter, this cmdlet returns properties for all node files for that compute node.

PARAMETERS

```
-BatchContext <Microsoft.Azure.Commands.Batch.BatchAccountContext>
```

Specifies the BatchAccountContext instance that this cmdlet uses to interact with the Batch service. If you use the Get-AzBatchAccount cmdlet to get your

BatchAccountContext, then Microsoft Entra authentication will be used when interacting with the Batch service. To use shared key authentication instead, use the

Get-AzBatchAccountKey cmdlet to get a BatchAccountContext object with its access keys populated. When using shared key authentication, the primary access key is

used by default. To change the key to use, set the BatchAccountContext.KeyInUse property.

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

-ComputeNode <Microsoft.Azure.Commands.Batch.Models.PSComputeNode>

Specifies the compute node, as a PSComputeNode object, that contains the Batch node files. To obtain a compute node object, use the Get-AzBatchComputeNode cmdlet.

Required?	false
Position?	0
Default value	None
Accept pipeline input?	True (ByValue)
Accept wildcard characters?	false

-ComputeNodeId <System.String>

Specifies the ID of the compute node that contains the Batch node files.

Required?	true
Position?	1
Default value	None
Accept pipeline input?	True (ByPropertyName)
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

-Filter <System.String>

Specifies an OData filter clause. This cmdlet returns properties for node files that match the filter that this parameter specifies.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-JobId <System.String>

Specifies the ID of the job that contains the target task.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-MaxCount <System.Int32>

Specifies the maximum number of node files for which this cmdlet returns properties. If you specify a value of zero (0) or less, the cmdlet does not use an upper limit. The default value is 1000.

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

-Path <System.String>

Specifies the path of the node file for which this cmdlet retrieves properties. You cannot specify wildcard characters.

Required?	false
Position?	2
Default value	None
Accept pipeline input?	False
Accept wildcard characters?	false

-PoolId <System.String>

Specifies the ID of the pool that contains the compute node from which to get properties of node files.

Required?	true
Position?	0
Default value	None
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

-Recursive <System.Management.Automation.SwitchParameter>

Indicates that this cmdlet returns a recursive list of files. Otherwise, it returns only the files in the root folder.

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

-Task <Microsoft.Azure.Commands.Batch.Models.PSCloudTask>

Specifies the task, as a PSCloudTask object, with which the node files are associated. To obtain a task object, use the Get-AzBatchTask cmdlet.

Required?	false
Position?	0
Default value	None
Accept pipeline input?	True (ByValue)
Accept wildcard characters?	false

-TaskId <System.String>

Specifies the ID of the task for which this cmdlet gets properties of node files.

Required?	true
Position?	named
Default value	None
Accept pipeline input?	True (ByPropertyName)
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

System.String

Microsoft.Azure.Commands.Batch.Models.PSCloudTask

Microsoft.Azure.Commands.Batch.BatchAccountContext

OUTPUTS

Microsoft.Azure.Commands.Batch.Models.PSNodeFile

NOTES

Example 1: Get the properties of a node file associated with a task

Get-AzBatchNodeFile -JobId "Job-000001" -TaskId "Task26" -Path "Stdout.txt" -BatchContext \$Context

IsDirectory	Name	Properties	Url
-----	----	-----	---
False	StdOut.txt	Microsoft.Azure.Commands.Batch.Models.PSFile...	https://cmdletexample.westus.Batch.contoso...

This command gets the properties of the StdOut.txt node file associated with the task that has the ID Task26 in the job that has the ID Job-000001. Use the Get-AzBatchAccountKey cmdlet to assign a context to the \$Context variable.

Example 2: Get the properties of node files associated with a task by using a filter

```
Get-AzBatchNodeFile -JobId "Job-00002" -TaskId "Task26" -Filter "startswith(name,'St')" -BatchContext $Context
```

IsDirectory	Name	Properties	Url
-----	----	----	---
False	StdErr.txt	Microsoft.Azure.Commands.Batch.Models.PSFile...	https://cmdletexample.westus.Batch.contoso...
False	StdOut.txt	Microsoft.Azure.Commands.Batch.Models.PSFile...	https://cmdletexample.westus.Batch.contoso...

This command gets the properties of the node files whose names start with st and are associated with task that has the ID Task26 under job that has the ID Job-00002.

Example 3: Recursively get the properties of node files associated with a task

```
Get-AzBatchTask "Job-00003" "Task31" -BatchContext $Context | Get-AzBatchNodeFile -Recursive -BatchContext $Context
```

IsDirectory	Name	Properties	Url
-----	----	----	---
False		ProcessEnv.cmd	Microsoft.Azure.Commands.Batch.Models.PSFile... https://cmdletexample.westus.Batch.contoso...
False		StdErr.txt	Microsoft.Azure.Commands.Batch.Models.PSFile... https://cmdletexample.westus.Batch.contoso...
False		StdOut.txt	Microsoft.Azure.Commands.Batch.Models.PSFile... https://cmdletexample.westus.Batch.contoso...
True	wd		https://cmdletexample.westus.Batch.contoso...
False		wd\newFile.txt	Microsoft.Azure.Commands.Batch.Models.PSFile... https://cmdletexample.westus.Batch.contoso...

This command gets the properties of all files associated with the task that has the ID Task31 in job Job-00003. This

command specifies the Recursive parameter.

Therefore, the cmdlet performs a recursive file search is performed, and returns the wd\newFile.txt node file.

----- Example 4: Get a single file from a compute node -----

```
Get-AzBatchNodeFile -PoolId "Pool22" -ComputeNodeId "ComputeNode01" -Path "Startup\StdOut.txt" -BatchContext $Context
```

IsDirectory	Name	Properties	Url
-----	----	----	---
False		startup\stdout.txt	Microsoft.Azure.Commands.Batch.Models.PSFile... https://cmdletexample.westus.Batch.contoso...

This command gets the file that is named Startup\StdOut.txt from the compute node that has the ID ComputeNode01 in the pool that has the ID Pool22.

- Example 5: Get all files under a folder from a compute node -

```
Get-AzBatchNodeFile -PoolId "Pool22" -ComputeNodeId "ComputeNode01" -Filter "startswith(name,'startup')" -Recursive -BatchContext $Context
```

IsDirectory	Name	Properties	Url
-----	----	----	---
True	startup		https://cmdletexample.westus.Batch.contoso...
False		startup\ProcessEnv.cmd	Microsoft.Azure.Commands.Batch.Models.PSFile... https://cmdletexample.westus.Batch.contoso...
False		startup\stderr.txt	Microsoft.Azure.Commands.Batch.Models.PSFile... https://cmdletexample.westus.Batch.contoso...
False		startup\stdout.txt	Microsoft.Azure.Commands.Batch.Models.PSFile... https://cmdletexample.westus.Batch.contoso...
True	startup\wd		https://cmdletexample.westus.Batch.contoso...

This command gets all the files under the startup folder from the compute node that has the ID ComputeNode01 in the pool that has the ID Pool22. This cmdlet specifies the Recursive parameter.

- Example 6: Get files from the root folder of a compute node -

```
Get-AzBatchComputeNode "Pool22" -Id "ComputeNode01" -BatchContext $Context | Get-AzBatchNodeFile -BatchContext $Context
```

IsDirectory	Name	Properties	Url
-----	----	-----	---
True	shared		https://cmdletexample.westus.Batch.contoso...
True	startup		https://cmdletexample.westus.Batch.contoso...
True	workitems		https://cmdletexample.westus.Batch.contoso...

This command gets all the files at the root folder of the compute node that has the ID ComputeNode01 in the pool that has the ID Pool22.

RELATED LINKS

- Online Version: <https://learn.microsoft.com/powershell/module/az.batch/get-azbatchnodefile>
- [Get-AzBatchAccountKey](#)
- [Get-AzBatchComputeNode](#)
- [Get-AzBatchNodeFileContent](#)
- [Get-AzBatchTask](#)
- [Azure Batch Cmdlets](#)