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

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

NAME

Get-AzBatchNodeFileContent

SYNOPSIS

Gets a Batch node file.

SYNTAX

Get-AzBatchNodeFileContent [-PoolId] <System.String> [-ComputeNodeId] <System.String> [-Path] <System.String> -BatchContext <Microsoft.Azure.Commands.Batch.BatchAccountContext> [-ByteRangeEnd <System.Nullable`1[System.Int64]>] [-ByteRangeStart <System.Nullable`1[System.Int64]>] [-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -DestinationPath <System.String> [<CommonParameters>]

Get-AzBatchNodeFileContent [-PoolId] <System.String> [-ComputeNodeId] <System.String> [-Path] <System.String> -BatchContext <Microsoft.Azure.Commands.Batch.BatchAccountContext> [-ByteRangeEnd <System.Nullable`1[System.Int64]>] [-ByteRangeStart <System.Nullable`1[System.Int64]>] [-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]

-DestinationStream <System.IO.Stream> [<CommonParameters>]

Get-AzBatchNodeFileContent [-Path] <System.String> -BatchContext <Microsoft.Azure.Commands.Batch.BatchAccountContext> [-ByteRangeEnd <System.Nullable`1[System.Int64]>] [-ByteRangeStart <System.Nullable`1[System.Int64]>] [-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -DestinationPath <System.String> -JobId <System.String> -TaskId <System.String> [<CommonParameters>]

Get-AzBatchNodeFileContent [[-InputObject] <Microsoft.Azure.Commands.Batch.Models.PSNodeFile>] -BatchContext <Microsoft.Azure.Commands.Batch.BatchAccountContext> [-ByteRangeEnd <System.Nullable`1[System.Int64]>] [-ByteRangeStart <System.Nullable`1[System.Int64]>] [-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -DestinationPath <System.String> [<CommonParameters>]

Get-AzBatchNodeFileContent [-Path] <System.String> -BatchContext <Microsoft.Azure.Commands.Batch.BatchAccountContext> [-ByteRangeEnd <System.Nullable`1[System.Int64]>] [-ByteRangeStart <System.Nullable`1[System.Int64]>] [-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -DestinationStream <System.IO.Stream> -JobId <System.String> -TaskId <System.String> [<CommonParameters>]

Get-AzBatchNodeFileContent [[-InputObject] <Microsoft.Azure.Commands.Batch.Models.PSNodeFile>] -BatchContext <Microsoft.Azure.Commands.Batch.BatchAccountContext> [-ByteRangeEnd <System.Nullable`1[System.Int64]>] [-ByteRangeStart <System.Nullable`1[System.Int64]>] [-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -DestinationStream <System.IO.Stream> [<CommonParameters>]

DESCRIPTION

The Get-AzBatchNodeFileContent cmdlet gets an Azure Batch node file and saves it as a file or to a stream.

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

-ByteRangeEnd <System.Nullable`1[System.Int64]>

The end of the byte range to be downloaded.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ByteRangeStart <System.Nullable`1[System.Int64]>

The start of the byte range to be downloaded.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ComputeNodeId <System.String>

Specifies the ID of the compute node that contains the node file that this cmdlet returns.

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

-DestinationPath <System.String>

Specifies the file path where this cmdlet saves the node file.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-DestinationStream <System.IO.Stream>

Specifies the stream into which this cmdlet writes the node file contents. This cmdlet does not close or rewind this stream.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-InputObject <Microsoft.Azure.Commands.Batch.Models.PSNodeFile>

Specifies the file that this cmdlet gets, as a PSNodeFile object. To obtain a node file object, use the Get-AzBatchNodeFile cmdlet.

Required? false

Position? 0

Default value None

Accept pipeline input? True (ByValue)

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

-Path <System.String>

The path of the node file to download.

Required? true

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 that contains the node file that this cmdlet gets.

Required? true

Position? 0

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-TaskId <System.String>

Specifies the ID of the task.

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.PSNodeFile

Microsoft.Azure.Commands.Batch.BatchAccountContext

OUTPUTS

System.Void

NOTES

Example 1: Get a Batch node file associated with a task and save the file

```
Get-AzBatchNodeFileContent -JobId "Job01" -TaskId "Task01" -Path "StdOut.txt" -DestinationPath "E:\PowerShell\StdOut.txt" -BatchContext $Context
```

This command gets the node file that is named StdOut.txt, and saves it to the E:\PowerShell\StdOut.txt file path on the local computer. The StdOut.txt node file is

associated with task that has the ID Task01 for the job that has the ID Job01. Use the Get-AzBatchAccountKey cmdlet to assign a context to the $Context variable.

Example 2: Get a Batch node file and save it to a specified file path using the pipeline

```
Get-AzBatchNodeFile -JobId "Job02" -TaskId "Task02" -Path "StdErr.txt" -BatchContext $Context | Get-AzBatchNodeFileContent -DestinationPath "E:\PowerShell\StdOut.txt"
-BatchContext $Context
```

This command gets the node file that is named StdErr.txt by using the Get-AzBatchNodeFile cmdlet. The command passes that file to the current cmdlet by using the

pipeline operator. The current cmdlet saves that file to the E:\PowerShell\StdOut.txt file path on the local computer. The StdOut.txt node file is associated with the

task that has the ID Task02 for the job that has the ID Job02.

Example 3: Get a Batch node file associated with a task and direct it to a stream

```
$Stream = New-Object -TypeName "System.IO.MemoryStream"
Get-AzBatchNodeFileContent -JobId "Job03" -TaskId "Task11" -Path "StdOut.txt" -DestinationStream $Stream -BatchContext $Context
```

The first command creates a stream by using the New-Object cmdlet, and then stores it in the $Stream variable. The second command gets the node file that is named

StdOut.txt from the task that has the ID Task11 for the job that has the ID Job03. The command directs file contents to the stream in $Stream.

-- Example 4: Get a node file from a compute node and save it --

```
Get-AzBatchNodeFileContent -PoolId "Pool01" -ComputeNodeId "ComputeNode01" -Path "Startup\StdOut.txt" -DestinationPath "E:\PowerShell\StdOut.txt" -BatchContext
$Context
```

This command gets the node file Startup\StdOut.txt from the compute node that has the ID ComputeNode01 in the pool that has the ID Pool01. The command saves the file

to the E:\PowerShell\StdOut.txt file path on the local computer.

Example 5: Get a node file from a compute node and save it by using the pipeline

```
Get-AzBatchNodeFile -PoolId "Pool01" -ComputeNodeId "ComputeNode01" -Path "Startup\StdOut.txt" -BatchContext $Context | Get-AzBatchNodeFileContent -DestinationPath
"E:\PowerShell\StdOut.txt" -BatchContext $Context
```

This command gets the node file Startup\StdOut.txt by using Get-AzBatchNodeFile from the compute node that has the ID ComputeNode01. The compute node is in the pool

that has the ID Pool01. The command passes that node file to the current cmdlet. That cmdlet saves the file to the E:\PowerShell\StdOut.txt file path on the local

computer.

Example 6: Get a node file from a compute node and direct it to a stream

```
$Stream = New-Object -TypeName "System.IO.MemoryStream"
Get-AzBatchNodeFileContent -PoolId "Pool01" -ComputeNodeId "ComputeNode01" -Path "startup\stdout.txt" -DestinationStream $Stream -BatchContext $Context
```

The first command creates a stream by using the New-Object cmdlet, and then stores it in the $Stream variable. The second command gets the node file that is named

StdOut.txt from the compute node that has the ID ComputeNode01 in the pool that has the ID Pool01. The command directs file contents to the stream in $Stream.

RELATED LINKS

Online Version: https://learn.microsoft.com/powershell/module/az.batch/get-azbatchnodefilecontent

Get-AzBatchAccountKey

Get-AzBatchNodeFile

Azure Batch Cmdlets