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PowerShell Get-Help on command 'Add-BitsFile'

PS C:\Users\wahid> Get-Help Add-BitsFile

NAME

    Add-BitsFile

SYNOPSIS

    Adds one or more files to an existing BITS transfer job.

SYNTAX

    Add-BitsFile [-BitsJob] <BitsJob[]> [-Source] <String[]> [[-Destination]

    <String[]>] [-Confirm] [-WhatIf] [<CommonParameters>]

DESCRIPTION

    The Add-BitsFile cmdlet adds files to a Background Intelligent Transfer

    Service (BITS) transfer job. You can specify the files to add to the BITS

    transfer job by name at the command prompt or in a comma-separated value (CSV)

    file.

    Important: An upload job can contain only one file. To upload more than one

    file, use the Import-Csv cmdlet, and pipe the output to the Add-BitsFile

    cmdlet. For more information, see example 3 in this Help topic. Or, use a

cabinet file (.cab) or a compressed file (.zip).

PARAMETERS

  -BitsJob <BitsJob[]>

    Specifies the BITS transfer jobs to which you want to add files. You can

    pipe a value to this parameter from other cmdlets that return BitsJob

    objects, such as Get-BitsTransfer .

  -Confirm [<SwitchParameter>]

    Prompts you for confirmation before running the cmdlet.

  -Destination <String[]>

    Specifies the destination location and the names of the files that you

    want to transfer. The destination names are paired with the corresponding

    source file names. For instance, the first file name specified in the

    Source parameter corresponds to the first file name in the Destination

    parameter, and the second file name in the Source parameter corresponds to

    the second file name in the Destination parameter. The Source and

    Destination parameters must have the same number of elements; otherwise,

    the command produces an error.

  -Source <String[]>

    Specifies the source location and the names of the files that you want to

    transfer. The source file names are paired with the corresponding

    destination file names. For instance, the first file name specified in the

    Source parameter corresponds to the first file name in the Destination

    parameter, and the second file name in the Source parameter corresponds to

    the second file name in the Destination parameter. The Source and

    Destination parameters must have the same number of elements; otherwise,

    the command produces an error. You can use standard wildcard characters

    such as the asterisk (*) and the question mark (?), or you can use a range

    operator such as "[a-r]".

-WhatIf [<SwitchParameter>]

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

<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).

Example 1: Append a file to the transfer queue of an existing BITS transfer job

```
PS C:\> Get-BitsTransfer -JobId 10778CFA-C1D7-4A82-8A9D-80B19224879C |
Add-BitsFile -Source http://server01/servertestdir/testfile1.txt -Destination
"c:\clienttestdir\testfile1.txt"
```

This command appends a file to the transfer queue of an existing BITS transfer

job.

In this example, the output of the Get-BitsTransfer cmdlet is a BitsJob object

that is identified by its unique job ID. The command pipes the job ID to the

Add-BitsFile cmdlet. The local and remote names of the file are in the

parameters.

Example 2: Append a set of files to the transfer queue of an existing BITS

transfer job

```
PS C:\> $Bits = Get-BitsTransfer -JobId 10778CFA-C1D7-4A82-8A9D-80B19224879C
PS C:\> Add-BitsFile -BitsJob $Bits -Source
"http://server01/servertestdir/testfile1.txt",
"http://server01/servertestdir/testfile2.txt" -Destination
"c:\clienttestdir\testfile1.txt", "c:\clienttestdir\testfile2.txt"
```

This command appends a set of files to the transfer queue of an existing BITS

transfer job.

The first command retrieves the BITS transfer job that is identified by the job ID and then stores it in the $b variable. The second command uses the BitsJob parameter to pass the BitsJob object that is stored in the $b variable to Add-BitsFile .

The server file names are paired with the corresponding client file names.
Example 3: Add a set of files to the transfer queue of a new BITS transfer job

```
PS C:\> $Bits = Start-BitsTransfer -Suspended
PS C:\> Import-CSV filelist.txt | Add-BitsFile -BitsJob $Bits
PS C:\> Resume-BitsTransfer -BitsJob $Bits
```

This example adds a set of files to the transfer queue of a new BITS transfer job.

The first command creates a new BitsJob object and then stores it in the $Bits variable.

The second command uses the Import-CSV cmdlet to import a text file that contains a list of files to be transferred. The text file is converted to an array of objects (one per line) and passed through the pipeline to the Add-BitsFile cmdlet. The BitsJob parameter is used to pass the BitsJob object (the transfer job) that is stored in the $Bits variable to the Add-BitsFile cmdlet. These array of objects, adds BITS transfer job for each of the file to be downloaded and then transfers them concurrently to the client. This command also updates the transfer job with the list of files to be transferred.

The third command passes the BitsJob object that is stored in the $Bits variable to the Resume-BitsTransfer cmdlet. The BITS transfer job is restarted, and the files that are specified in the Filelist.txt file are transferred from the source to the destination.

The `Import-CSV filelist.txt` element of the second command imports a text file that contains the list of files to be transferred. Each line of this file specifies a file to be transferred, in the `<Source>,<Destination>` format. The text file is converted to an array of objects, one per line, and passed through the pipeline. In this example, the array of objects is passed to the `Add-BitsFile` cmdlet.

The contents of the Filelist.txt file resemble the following information:

- Source, Destination - `http://server01/servertestdir/testfile1.txt, c:\clienttestdir\testfile1.txt`

- `http://server01/servertestdir/testfile2.txt, c:\clienttestdir\testfile2.txt`

- `http://server01/servertestdir/testfile3.txt, c:\clienttestdir\testfile3.txt`

- `http://server01/servertestdir/testfile4.txt, c:\clienttestdir\testfile4.txt`

REMARKS

To see the examples, type: "get-help Add-BitsFile -examples".

For more information, type: "get-help Add-BitsFile -detailed".

For technical information, type: "get-help Add-BitsFile -full".

For online help, type: "get-help Add-BitsFile -online"