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Windows PowerShell Get-Help on Cmdlet 'Export-ODataEndpointProxy'

PS:\>Get-HELP Export-ODataEndpointProxy -Full

NAME

Export-ODataEndpointProxy

SYNOPSIS

Generates a module that contains cmdlets to manage an OData endpoint.

SYNTAX

```
Export-ODataEndpointProxy [-Uri] <System.String> [-OutputModule] <System.String> [[-AllowClobber]]  
[[-AllowUnsecureConnection]] [[-Headers]  
    <System.Collections.Hashtable> [[-MetadataUri] <System.String> [[-Credential]  
<System.Management.Automation.PSCredential>] [[-CreateRequestMethod] {Put | Post |  
Patch}] [[-UpdateRequestMethod] {Put | Post | Patch}] [[-CmdletAdapter] {ODataAdapter | NetworkControllerAdapter |  
ODataV4Adapter}] [[-ResourceNameMapping]  
    <System.Collections.Hashtable> [[-Force]] [[-CustomData] <System.Collections.Hashtable> [-Confirm] [-WhatIf]  
[<CommonParameters>]
```

DESCRIPTION

The `Export-ODataEndpointProxy` cmdlet uses the metadata of an OData endpoint to generate a module that contains

cmdlets you can use to manage that OData endpoint.

The module is based on CDXML. After this cmdlet generates the module, it saves that module to the path and file name specified by the OutputModule parameter.

`Export-ODataEndpointProxy` generates cmdlets for create, read, update, and delete (CRUD) operations, non-CRUD actions, and association manipulation.

`Export-ODataEndpointProxy` generates one CDXML file per endpoint resource. You can edit these CDXML files after the module is generated. For example, if you want to

change the noun or verb names of the cmdlets to align with Windows PowerShell cmdlet naming guidelines, you can modify the file.

Every cmdlet in a generated module must include a ConnectionURI parameter in order to connect to the endpoint that the module manages.

PARAMETERS

-AllowClobber <System.Management.Automation.SwitchParameter>

Indicates that this cmdlet replaces an existing module.

Required? false

Position? 10

Default value False

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-AllowUnsecureConnection <System.Management.Automation.SwitchParameter>

Indicates that this module can connect to URIs that are not SSL-secured. The module can manage HTTP sites in addition to HTTPS sites.

Required? false

Position? 11

Default value False

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-CmdletAdapter <System.String>

Specifies the cmdlet adapter. The acceptable values for this parameter are: ODataAdapter and NetworkControllerAdapter.

Required? false

Position? 6

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-CreateRequestMethod <System.String>

Specifies the request method. The acceptable values for this parameter are: PUT, POST, and PATCH.

Required? false

Position? 4

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Credential <System.Management.Automation.PSCredential>

Specifies a user account that has access to the OData endpoint. The default value is the current user. If a remote computer runs Windows Vista or a later release

of the Windows operating system, the cmdlet prompts you for credentials.

Required? false

Position? 3

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-CustomData <System.Collections.Hashtable>

Specifies a hash table of custom data.

Required? false

Position? 9

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Force <System.Management.Automation.SwitchParameter>

Indicates that this cmdlet overwrites an existing generated module of the same name in an existing `Modules` folder.

Required? false

Position? 8

Default value False

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Headers <System.Collections.Hashtable>

Specifies the headers of the web request. Enter a hash table or dictionary.

Required? false

Position? 12

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-MetadataUri <System.String>

Specifies the URI of the metadata of the endpoint.

Required? false

Position? 2

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-OutputModule <System.String>

Specifies the path and module name to which this cmdlet saves the generated module of proxy commands.

This cmdlet copies a binary module, module manifest, and formatting file, if applicable, to the specified folder. If you specify only the name of the module,

`Export-ODataEndpointProxy` saves the module in the `'\$HOME\Documents\WindowsPowerShell\Modules` folder. If you specify a path, the cmdlet creates the module folder in that path.

Required? true

Position? 1

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-ResourceNameMapping <System.Collections.Hashtable>

Specifies a hashtable that contains mappings that let you customize the generated cmdlets. In this hashtable, the resource collection name is the key. The desired cmdlet noun is the value.

For example, in the hash table `@{Products = 'Merchandise'}` , Products is the resource collection name that serves as the key. Merchandise is the resulting cmdlet

noun. The generated cmdlet names might not align to Windows PowerShell cmdlet naming guidelines. You can modify the resource CDXML file to change the cmdlet names

after this cmdlet creates the module. For more information, see Strongly Encouraged Development Guidelines ([/powershell/scripting/developer/cmdlet/strongly-encouraged-development-guidelines](#)).

Required? false

Position? 7

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-UpdateRequestMethod <System.String>

Specifies the update request method. The acceptable values for this parameter are: PUT, POST, and PATCH.

Required? false

Position? 5

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Uri <System.String>

Specifies the URI of the endpoint.

Required? true

Position? 0

Default value None

Accept pipeline input? True (ByPropertyName, ByValue)

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

OUTPUTS

NOTES

Example 1: Generate a module to manage a retail web service endpoint

```
PS C:\> Export-ODataEndpointProxy -Uri 'http://services.odata.org/v3/(S(snyobsk1hhutkb2yulwldgf1))/odata/odata.svc'  
-MetadataUri  
'http://services.odata.org/v3/(S(snyobsk1hhutkb2yulwldgf1))/odata/odata.svc/$metadata' -AllowUnsecureConnection  
-OutputModule 'C:\Users\user\GeneratedScript.psm1'  
-ResourceNameMapping @{Products = 'Merchandise'}
```

This command generates a module to manage a retail service endpoint. The command specifies the URI of the endpoint and the URI of the endpoint metadata. The command also provides an output path and script module name as the value of the OutputModule parameter. For the value of the ResourceNameMapping parameter, the command

provides a hashtable that maps the resource collection name to the desired noun for the cmdlet set. In this example, Products is the resource collection name and

Merchandise is the noun. To allow connections to non-SSL sites, HTTP, as opposed to HTTPS, add the AllowUnsecureConnection parameter.

RELATED LINKS

Online

Version:

https://learn.microsoft.com/powershell/module/microsoft.powershell.odatautils/export-odataendpointproxy?view=powershell-5.1&WT.mc_id=ps-gethelp

OData Library

What is the OData Protocol? <https://www.odata.org/>

Invoke-RestMethod