



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

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

NAME

Export-AzResourceGroup

SYNOPSIS

Captures a resource group as a template and saves it to a file.

SYNTAX

```
Export-AzResourceGroup [-ApiVersion <System.String>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-Force] [-IncludeComments] [-IncludeParameterDefaultValue] [-Path <System.String>] [-Pre] [-Resource
<System.String[]>] [-ResourceGroupName <System.String>]
[-SkipAllParameterization] [-SkipResourceNameParameterization] [-Confirm] [-WhatIf] [<CommonParameters>]
```

DESCRIPTION

The Export-AzResourceGroup cmdlet captures the specified resource group as a template and saves it to a JSON file. This can be useful in scenarios where you have

already created some resources in your resource group, and then want to leverage the benefits of using template backed deployments. This cmdlet gives you an easy

start by generating the template for your existing resources in the resource group. There might be some cases where this cmdlet fails to generate some parts of the

template. Warning messages will inform you of the resources that failed. The template will still be generated for the parts that were successful.

PARAMETERS

-ApiVersion <System.String>

Specifies the version of the resource provider API to use. If not specified, the latest API version is used.

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

-Force <System.Management.Automation.SwitchParameter>

Forces the command to run without asking for user confirmation.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-IncludeComments <System.Management.Automation.SwitchParameter>

Indicates that this operation exports the template with comments.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-IncludeParameterDefaultValue <System.Management.Automation.SwitchParameter>

Indicates that this operation exports the template parameter with the default value.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-Path <System.String>

Specifies the output path of the template file.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Pre <System.Management.Automation.SwitchParameter>

Indicates that this cmdlet use pre-release API versions when automatically determining which API version to use.

Required? false

Position? named

Default value False
Accept pipeline input? False
Accept wildcard characters? false

-Resource <System.String[]>

A list of resourceids to filter the results by.

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

-ResourceGroupName <System.String>

Specifies the name of the resource group to export.

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

-SkipAllParameterization <System.Management.Automation.SwitchParameter>

Skip all parameterization.

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

-SkipResourceNameParameterization <System.Management.Automation.SwitchParameter>

Skip resource name parameterization.

Required? false
Position? named
Default value False
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

System.String

OUTPUTS

System.Management.Automation.PSObject

NOTES

----- Example 1: Export a resource group -----

```
Export-AzResourceGroup -ResourceGroupName "TestGroup"
```

This command captures the resource group named TestGroup as a template, and saves it to a JSON file in the current directory.

-- Example 2: Export a single resource from a resource group --

```
Export-AzResourceGroup -ResourceGroupName "TestGroup" -Resource
```

```
"/subscriptions/5f43547b-1d2d-4a3e-ace4-88d4b600d568/resourceGroups/TestGroup/providers/Microsoft.Compute/virtualMachines/TestVirtualMachine"
```

This command captures the Virtual Machine resource named "TestVirtualMachine" from the "TestGroup" resource group as a template, and saves it to a JSON file in the current directory.

Example 3: Export a selection of resources from a resource group

```
Export-AzResourceGroup -ResourceGroupName "TestGroup" -SkipAllParameterization -Resource @(
"/subscriptions/5f43547b-1d2d-4a3e-ace4-88d4b600d568/resourceGroups/TestGroup/providers/Microsoft.Compute/virtualMachines/TestVm",
"/subscriptions/5f43547b-1d2d-4a3e-ace4-88d4b600d568/resourceGroups/TestGroup/providers/Microsoft.Network/networkInterfaces/TestNic"
)
```

This command captures two resources from the "TestGroup" resource group as a template, and saves it to a JSON file in the current directory. The generated template will not contain any generated parameters.

RELATED LINKS

Online Version: <https://learn.microsoft.com/powershell/module/az.resources/export-azresourcegroup>

Get-AzResourceGroup