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ThinScale Management PowerShell Module

ThinScale Management PowerShell Module User Guide

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ThinScale Management PowerShell Module

Product Information

Specifications

- **Product Name:** Thin Scale Management Power Shell Module
- **Version:** 7.5
- **Minimum** Power Shell **Version:** 7.0
- **Installation Path:** C: Program Files PowerS hell 7 Modules Thin Scale Management

Product Usage Instructions

Prerequisites

- The module will only work on a machine where the ThinScale Management Console is also installed since it depends on some of the installed files.
- The module requires a minimum of version 7.0 of PowerShell.

Installation

- The module can be installed using the 'Install Module' icon from within the Thin Scale Management Console.
- **Note:** Power Shell 7.2 or greater is required.
- This will allow you to install the module for just the current user or all users on the machine (requires administrative privileges).
- **Installation Path: C:** Program FilesPower Shell 7 Modules Thin Scale Management

Permissions

The module is digitally signed so can be run when the PowerShell execution policy is set to AllSigned.

Frequently Asked Questions

Q: What versions of PowerShell are compatible with the ThinScale Management PowerShell Module?

A: The module requires a minimum of version 7.0 of PowerShell.

Q: How can I install the ThinScale Management PowerShell Module?

A: You can install the module using the 'Install Module' icon from within the ThinScale Management Console.

Introduction

- The ThinScale Management PowerShell module allows PowerShell scripts to be written which can call functions present in the ThinScale Management Console.
- This enables certain operations to be automated rather than them having to be performed manually from within the console itself.

How this Guide Works

- ThinScale installation and administration guides are designed to assist with the installation and configuration of ThinScale solutions within your environment by providing an easy-to-follow, comprehensive, step-by-step set of illustrated instructions.
- Throughout this guide, you will see various types of text such as URLs, command line entries, and on-screen text all represented using different styles and formatting to distinguish between the types of text.

The following table shows examples of these different styles:

- **On-Screen Text** Indicates text shown on the screen, such as menus, options, click buttons, and other text information
- **External URL** Indicates a link to an external page/website
- **Internal URL** Indicates a link to an internal web page such as a console
- **Command Line** Indicates something that you need to type in, such as the command line instructions, scripts, usernames, and passwords
- **Commands** Indicates a command name or variable
- **Section Reference** Indicates a reference to another section within the document, such as another page or heading
- **server\folder** Indicates a path to a folder or a shared folder

Document Revision History

The current version of this document, plus the version history details of what has changed.

Revision/Version	Date	Author(s)	Description
V3.1.0	January 2019	David Coombes	First Release
V5.0	January 2020	David Coombes	Second Release
V.5.2	July 2020	David Coombes	Third Release
V.5.4	March 2021	David Coombes	Fourth Release
V 7.0	April 2021	David Coombes	Fifth Release
V7.1	October 2021	David Coombes	Sixth Release
V7.2	November 2021	Niall AL Rubeai	Seventh Release
V7.3	July 2022	Niall AL Rubeai	Eighth Release
V7.4	November 2022	David Coombes	Ninth Release
V7.5	July 2023	David Coombes	Tenth Release

Functions

The functions available in this version of the module are as follows:

- Add-TSTMGMTFolderPackageAssignment
- Add-TSTMGMTFolderProfileAssignment
- Add-TSTMGMTProfileRevision
- Connect-TSTMGMTServer
- Disconnect-TSTMGMTServer
- Export-TSTMGMTProfile
- Get-TSTMGMTAllData
- Get-TSTMGMTAccessKey
- Get-TSTMGMTAccessKeys
- Get-TSTMGMTAPResults
- Get-TSTMGMTDevice
- Get-TSTMGMTDevices
- Get-TSTMGMTDeviceInventory
- Get-TSTMGMTFolder
- Get-TSTMGMTFolders
- Get-TSTMGMTLicenseData
- Get-TSTMGMTLicenseUsage
- Get-TSTMGMTProfile
- Get-TSTMGMTProfileObject
- Get-TSTMGMTProfileRevisions
- Get-TSTMGMTProfiles
- Get-TSTMGMTRefreshData
- Get-TSTMGMTRole
- Get-TSTMGMTRoles

- Get-TSTMGMTSite
- Get-TSTMGMTSites
- Get-TSTMGMTUser
- Get-TSTMGMTUsers
- Get-TSTMGMTLogsAudit
- Get-TSTMGMTLogsEvent
- Get-TSTMGMTLogsMonitoring
- Import-TSTMGMTProfileObject
- Invoke-TSTMGMTAdminAction
- Move-TSTMGMTObject
- Move-TSTMGMTObjects
- New-TSTMGMTAddAce
- New- TSTMGMTAccessKey
- New-TSTMGMTDevice
- New-TSTMGMTFolder
- New-TSTMGMTProfile
- New-TSTMGMTProfileObject
- New-TSTMGMTRole
- New-TSTMGMTSite
- New-TSTMGMTUser
- Remove-TSTMGMTFolderPackageAssignment.
- Remove-TSTMGMTFolderProfileAssignment Remove-TSTMGMTObject
- Rename-TSTMGMTObject
- Reset-TSTMGMTDeviceLocationData
- Set-TSTMGMTAccessKey
- Set-TSTMGMTDeviceNotes
- Set-TSTMGMTFolder
- Set-TSTMGMTObjectSecurity
- Set-TSTMGMTRole
- Set-TSTMGMTSite
- Set-TSTMGMTUser
- Test-TSTMGMTObjectExists
- Get-TSTMGMTUserAssignment
- Get-TSTMGMTUserAssignments
- New-TSTMGMTUserAssignment
- Set-TSTMGMTUserAssignment

Prerequisites

- The module will only work on a machine where the ThinScale Management Console is also installed since it depends on some of the installed files.
- The module requires a minimum of version 7.0 of PowerShell.

Installation

- The module can be installed using the 'Install Module' icon from within the ThinScale Management Console.
- **Note:** Powershell 7. 2 or greater is required
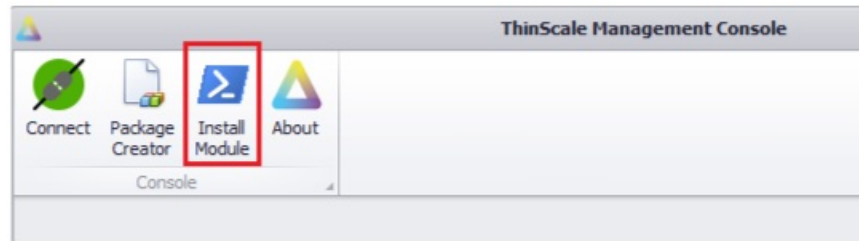
- This will allow you to install the module for just the current user or all users on the machine (requires administrative privileges)
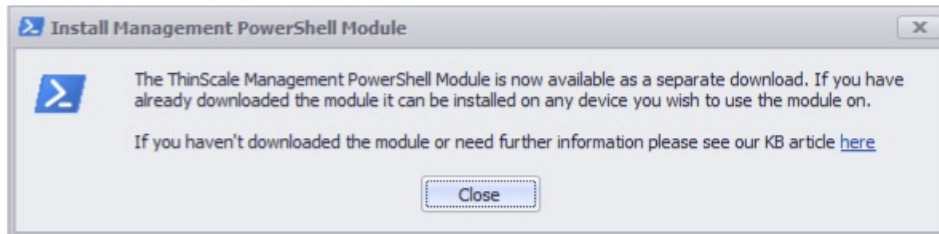
- **C:**\Program Files\PowerShell\7\Modules\ThinScaleManagement

Permissions

The module is digitally signed so can be run when the PowerShell execution policy is set to AllSigned.

Documentation

- The module includes PowerShell-compatible help for all functions.

This can be accessed in two ways:

- Using PowerShell's Get-Help cmdlet
- Pressing the F1 key with the cursor in a ThinScale Management function when using PowerShell ISE

Usage

- Once installed, the module is loaded by running the following command:
  Import-Module ThinScaleManagement
  A connection to a ThinScale Management server must then be made which returns an object which needs to be passed to all further ThinScale functions and should be stored in a variable:
  Connect-TSTMGMTServer -URI "**https://d7.thinscale.com**" -username **bob@thinscale.com**" -password "password"
- An alternative to passing the URI, username and password is to set some, or all, of them in the environment variables THINSCALE_URI, THINSCALE_USERNAME and
- THINSCALE_PASSWORD respectively.
- The required function(s) can then be called bypassing the interface variable and other parameters as per the module's self-contained documentation.
- **For example:** $alldata = Get-TSTMGMTAllData
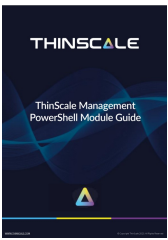- Once all operations have been completed, the session should be disconnected using the following command:

Disconnect-TSTMGMTServer

- This will invalidate the interface variable so if subsequent ThinScale functions need to be called, the Connect-TSTMGMTServer function must be called again and a new interface variable stored.

Parameters

- Where existing objects, such as devices or folders, need to be passed as parameters to ThinScale functions, there are two ways of achieving this:
- Specify it as an absolute string path such as Devices\Production\Luxemburg\Device1234
- Specify the unique GUID for the item which can be obtained via the data returned from the Get-TSTMGMTAllData function or a call to New-TSTMGMTFolder or New-TSTMGMTDevice
- All functions that require existing objects to be specified require different parameters to be used depending on whether a string or GUID is being passed to identify that object.
- **For example: New-TSTMgmtFolder –**FolderName '\Devices\Production'
- **New-TSTMgmtFolder** -FolderName 'UAT' -ParentId 'A7955CE0-8743-44CD-87A1-BD6418085912' -DeviceState Disabled -DeviceStateMessage 'Devices in this folder are disabled'
- Where the GUID passed via -parentId is the GUID of the folder \Devices\Production
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Documents / Resources

THINSCALE ThinScale Management PowerShell Module Guide	**THINSCALE ThinScale Management PowerShell Module** [pdf] User Guide ThinScale Management PowerShell Module, Management PowerShell Module, PowerShell Module, Module

References

- **ThinScale | Endpoint Security & Management | All In One Solution**
- **ThinScale | Endpoint Security & Management | All In One Solution**
- **User Manual**