UnideskSDK Documentation

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This is a reversed engineered SDK that emulates the SOAP calls that AL uses to manage the appliance. Currently only supports version **4.11 or later**. **THIS USES UNSUPPORTED API CALLS. PLEASE USE WITH CAUTION.**

CHAPTER 1

Install and Update

1.1 Install Manually

```
Import-Module ".\ctxal-sdk.psm1"
```

1.2 Install PSGallery

```
Find-Module -name ctxal-sdk
Install-Module -Name ctxal-sdk -Scope CurrentUser
```

1.3 Update PSGallery

```
Find-Module -name ctxal-sdk
Update-Module -Name ctxal-sdk
```

“

CHAPTER 2

Changelog

- 06-01-2018 BETA release
- 06-03-2018 Function for appliance details
- 06-03-2018 Fix in Get-alvmname for message text
- 06-04-2018 Get system info functions
- 06-09-2018 Better response output and clarify examples
- 06-20-2018 Get-ALImageComp function add
- 10-05-2018 Add stop-alworkticket function
- 10-18-2018 Add XenServer OS import option (now vcenter and xenserver)
- 10-18-2018 More detail for Get-ALImageComp
- 10-30-2018 Added functionality to export, view, create, check associations and remove icons
- 11-08-2018 Added functionality to export and import layers to and from network shares
- 11-10-2018 Cleaned up parameters and better get status returns
- 12-29-2018 Added functionality for directory junctions
- 01-22-2019 Added functionality to pull user information and assignments
- 01-22-2019 Much better regex for Get-AlVMName (Thanks Bill Nickerson @wnickerson78)
- 01-29-2019 Added ability to remove layer revisions (Thanks Siebrand Feenstra @Siebrandf)
- 02-18-2019 Added better functionality to see app assignments (See ExamplesGetUserAppAssignments)
- 02-21-2019 vCenter Connector commands
- 04-01-2019 Set admin password functionality. Get local accounts
- 04-11-2019 Get connector detail and set connector credentials

  Commands

This page contains details on **** commands.

CHAPTER 3

Add-ALAppAssignment

NAME Add-ALAppAssignment

SYNOPSIS Adds a layer(application) assignment to image(template)

SYNTAX Add-ALAppAssignment [-websession] <Object> [-apprevid] <String> [-imageid] <String> [-WhatIf] [-Confirm] [<CommonParameters>]

DESCRIPTION Adds a layer(application) assignment to image(template)

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-apprevid <String> Application layer version to be added

-imageid <String> Image or template where application should be added

-WhatIf [<SwitchParameter>]

-Confirm [<SwitchParameter>]

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>$image = Get-ALimage -websession $websession|where{$_.name -eq "Accounting}

$app = Get-ALapplayer -websession $websession|where{$_.name -eq "Libre Office"} $apprevs = get-alapplayerDetail -websession $websession -id $app.Id $apprevid = $apprevs.Revisions.AppLayerRevisionDetail|where{$_.state -eq "Deployable"}|Sort-Object revision -Descending|select -First 1 add-alappassignment -websession $websession -apprevid $apprevid.id -imageid $image.id

REMARKS To see the examples, type: "get-help Add-ALAppAssignment -examples". For more information, type: "get-help Add-ALAppAssignment -detailed". For technical information, type: "get-help Add-ALAppAssignment -full".

CHAPTER 4

Add-ALELAppassignment

NAME Add-ALELAppassignment

SYNOPSIS Adds a user account or group to an applications elastic layer assignment

SYNTAX Add-ALELAppassignment [-websession] <Object> [-apprevid] <String> [-unideskid] <Int64> [-directoryjunctionid] <Int64> [-ldapguid] <String> [-ldapdn] <String> [-sid] <String> [-objecttype] <String> [[-imageid] <Int64>] [-WhatIf] [-Confirm] [<CommonParameters>]

DESCRIPTION Adds a user account or group to an applications elastic layer assignment

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-apprevid <String> Application version layer ID

-unideskid <Int64>

-directoryjunctionid <Int64>

-ldapguid <String>

-ldapdn <String>

-sid <String>

-objecttype <String>

-imageid <Int64>

-WhatIf [<SwitchParameter>]

-Confirm [<SwitchParameter>]

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————————— EXAMPLE 1 ———————————

PS C:>$user = get-alldapobject -websession $websession -object "myusername"

add-alelappassignment -websession $websession -apprevid $apprevid.Id -unideskid $unideskid -objecttype $objecttype -directoryjunctionid $directoryjunctionid -ldapguid $ldapguid -ldapdn $ldapdn -sid $sid -Confirm:$False

——————————— EXAMPLE 2 ———————————

PS C:>$users = @('MyGroup1','MyGroup2','Domain Users')

$finduser = $users|get-alldapobject -websession $websession $app = Get-ALapplayerDetail -websession $websession|where{$_.name -eq "Libre Office"} $apprevs = Get-ALapplayerDetail -websession $websession -id $app.Id $apprevid = $apprevs.Revisions.AppLayerRevisionDetail|where{$_.state -eq "Deployable"}|Sort-Object revision -Descending|select -First 1 add-alelappassignment -websession $websession -apprevid $apprevid.Id -unideskid $finduser.unideskid -objecttype $finduser.objecttype -directoryjunctionid $finduser.directoryjunctionid -ldapguid $finduser.guid -ldapdn $finduser.dn -sid $finsuser.sid -Confirm:$False

REMARKS To see the examples, type: "get-help Add-ALELAppassignment -examples". For more information, type: "get-help Add-ALELAppassignment -detailed". For technical information, type: "get-help Add-ALELAppassignment -full".

Commands

This page contains details on **** commands.

CHAPTER 5

Connect-ALsession

NAME Connect-ALsession

SYNOPSIS Connects to the Citrix Application Layering appliance and creates a web request session

SYNTAX Connect-ALsession [-Credential] <PSCredential> [-aplip] <String> [<CommonParameters>]

DESCRIPTION Connects to the Citrix Application Layering appliance and creates a web request session

PARAMETERS

-Credential <PSCredential> PowerShell credential object

-aplip <String>

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>$websession = Connect-alsession -aplip $aplip -Credential $Credential -Verbose

REMARKS To see the examples, type: "get-help Connect-ALsession -examples". For more information, type: "get-help Connect-ALsession -detailed". For technical information, type: "get-help Connect-ALsession -full".

Commands

This page contains details on **** commands.

CHAPTER 6

Disconnect-ALsession

NAME Disconnect-ALsession

SYNOPSIS Logs off and disconnects web session

SYNTAX Disconnect-ALsession [-websession] <Object> [<CommonParameters>]

DESCRIPTION Logs off and disconnects web session

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>Disconnect-ALsession -websession $websession

REMARKS To see the examples, type: "get-help Disconnect-ALsession -examples". For more information, type: "get-help Disconnect-ALsession -detailed". For technical information, type: "get-help Disconnect-ALsession -full".

Commands

This page contains details on **** commands.

CHAPTER 7

Export-ALLayerRev

NAME Export-ALLayerRev

SYNOPSIS Gets revisions that can be used to export

SYNTAX Export-ALLayerRev [-websession] <Object> [-sharepath] <String> [-id] <String> [[-username] <String>] [[-sharepw] <String>] [<CommonParameters>]

DESCRIPTION Gets revisions that can be used to export

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-sharepath <String> Share UNC Path type

-id <String> ID(s) of revision layers to export

-username <String> Share username

-sharepw <String> Share password

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>Export-ALlayerrev -websession $websession -sharepath "\myserverpathlayers" -id @(12042,225252,2412412)

REMARKS To see the examples, type: "get-help Export-ALLayerRev -examples". For more information, type: "get-help Export-ALLayerRev -detailed". For technical information, type: "get-help Export-ALLayerRev -full".

Commands

This page contains details on **** commands.

CHAPTER 8

Get-ALapplayer

NAME Get-ALapplayer

SYNOPSIS Gets all application layers

SYNTAX Get-ALapplayer [-websession] <Object> [<CommonParameters>]

DESCRIPTION Gets all application layers

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>Get-ALapplayer -websession $websession

REMARKS To see the examples, type: "get-help Get-ALapplayer -examples". For more information, type: "get-help Get-ALapplayer -detailed". For technical information, type: "get-help Get-ALapplayer -full".

CHAPTER 9

Get-ALapplayerDetail

NAME Get-ALapplayerDetail

SYNOPSIS Gets detailed information on Application Layer including revisions(versions)

SYNTAX Get-ALapplayerDetail [-websession] <Object> [-id] <String> [<CommonParameters>]

DESCRIPTION Gets detailed information on Application Layer including revisions(versions)

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-id <String> Application layer ID

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>get-alapplayer -websession $websession -id $app.Id

REMARKS To see the examples, type: "get-help Get-ALapplayerDetail -examples". For more information, type: "get-help Get-ALapplayerDetail -detailed". For technical information, type: "get-help Get-ALapplayerDetail -full".

CHAPTER 10

Get-ALAuditInfo

NAME Get-ALAuditInfo

SYNOPSIS Gets audit information

SYNTAX Get-ALAuditInfo [-websession] <Object> [-entitytype] <String> [[-id] <String>] [<CommonParameters>]

DESCRIPTION Gets System Settings

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-entitytype <String> Type of log to pull

-id <String> ID of entity to pull audit logs

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>Get-ALAuditInfo -websession $websession -entitytype OsLayer -id 753664

——————— EXAMPLE 2 ———————

PS C:>Get-ALAuditInfo -websession $websession -entitytype ManagementAppliance

REMARKS To see the examples, type: "get-help Get-ALAuditInfo -examples". For more information, type: "get-help Get-ALAuditInfo -detailed". For technical information, type: "get-help Get-ALAuditInfo -full".

CHAPTER 11

Get-ALCachePointInfo

NAME Get-ALCachePointInfo

SYNOPSIS Gets appliance Layering Service Info

SYNTAX Get-ALCachePointInfo [-websession] <Object> [<CommonParameters>]

DESCRIPTION Gets appliance Layering Service Info

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>Get-ALCachePointInfo -websession $websession

REMARKS To see the examples, type: "get-help Get-ALCachePointInfo -examples". For more information, type: "get-help Get-ALCachePointInfo -detailed". For technical information, type: "get-help Get-ALCachePointInfo -full".

CHAPTER 12

Get-ALconnector

NAME Get-ALconnector

SYNOPSIS Gets all appliance connectors currently configured

SYNTAX Get-ALconnector [-websession] <Object> [-type] <String> [[-name] <String>] [<CommonParameters>]

DESCRIPTION Gets all appliance connectors currently configured

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-type <String> Connector type for publishing or creating layersimages

-name <String> Name of object to return

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>Get-ALconnector -websession $websession -type "Publish"

REMARKS To see the examples, type: "get-help Get-ALconnector -examples". For more information, type: "get-help Get-ALconnector -detailed". For technical information, type: "get-help Get-ALconnector -full".

CHAPTER 13

Get-ALconnectoragent

NAME Get-ALconnectoragent

SYNOPSIS Gets connector agents

SYNTAX Get-ALconnectoragent [-websession] <Object> [<CommonParameters>]

DESCRIPTION Gets connector agents

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>Get-ALconnectoragent -websession $websession

REMARKS To see the examples, type: "get-help Get-ALconnectoragent -examples". For more information, type: "get-help Get-ALconnectoragent -detailed". For technical information, type: "get-help Get-ALconnectoragent -full".

CHAPTER 14

Get-ALConnectorDetail

NAME Get-ALConnectorDetail

SYNOPSIS Gets Detailed Connector configurations

SYNTAX Get-ALConnectorDetail [-websession] <Object> [[-name] <String>] [-includescripts] [[-port] <String>] [[-connid] <String>] [<CommonParameters>]

DESCRIPTION Gets Detailed Connector configurations

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-name <String>

-includescripts [<SwitchParameter>] Include ELM script hosts in return

-port <String> port of the specific connector (Use: Get-ALConnector)

-connid <String> connection ID of the specific connector (Use: Get-ALConnector)

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>get-alconnectordetail -websession $websession -connid $connector.Id -port $connector.ConfigurationSslPort

REMARKS To see the examples, type: "get-help Get-ALConnectorDetail -examples". For more information, type: "get-help Get-ALConnectorDetail -detailed". For technical information, type: "get-help Get-ALConnectorDetail -full".

CHAPTER 15

Get-ALconnectortype

NAME Get-ALconnectortype

SYNOPSIS Gets all Connector Types

SYNTAX Get-ALconnectortype [-websession] <Object> [[-name] <String>] [<CommonParameters>]

DESCRIPTION Gets all Connector Types

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-name <String> Name of object to return

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

REMARKS To see the examples, type: "get-help Get-ALconnectortype -examples". For more information, type: "get-help Get-ALconnectortype -detailed". For technical information, type: "get-help Get-ALconnectortype -full".

CHAPTER 16

Get-ALDirectory

NAME Get-ALDirectory

SYNOPSIS Gets Directory Junctions

SYNTAX Get-ALDirectory [-websession] <Object> [<CommonParameters>]

DESCRIPTION Gets Directory Junctions

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>Get-ALDirectory -websession $websession

REMARKS To see the examples, type: "get-help Get-ALDirectory -examples". For more information, type: "get-help Get-ALDirectory -detailed". For technical information, type: "get-help Get-ALDirectory -full".

CHAPTER 17

Get-ALDirectoryDetail

NAME Get-ALDirectoryDetail

SYNOPSIS Gets additional directory junction detail

SYNTAX Get-ALDirectoryDetail [-websession] <Object> [-id] <String> [<CommonParameters>]

DESCRIPTION Gets additional directory junction detail

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-id <String> Directory Junction id

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>get-aldirectorydetail -websession $websession -id $directory.id

REMARKS To see the examples, type: "get-help Get-ALDirectoryDetail -examples". For more information, type: "get-help Get-ALDirectoryDetail -detailed". For technical information, type: "get-help Get-ALDirectoryDetail -full".

CHAPTER 18

Get-ALExportableRev

NAME Get-ALExportableRev

SYNOPSIS Gets revisions that can be used to export to share

SYNTAX Get-ALExportableRev [-websession] <Object> [-sharepath] <String> [[-username] <String>] [[-sharepw] <String>] [-showall] [<CommonParameters>]

DESCRIPTION Gets revisions that can be used to export to share

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-sharepath <String> Share UNC Path type

-username <String> Share username

-sharepw <String> Share password

-showall [<SwitchParameter>] Get all layers including non exportable ones

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>Get-ALExportableRev -websession $websession -sharepath "\myserverpathlayers"

REMARKS To see the examples, type: "get-help Get-ALExportableRev -examples". For more information, type: "get-help Get-ALExportableRev -detailed". For technical information, type: "get-help Get-ALExportableRev -full".

CHAPTER 19

Get-ALicon

NAME Get-ALicon

SYNOPSIS Gets all icon IDs

SYNTAX Get-ALicon [-websession] <Object> [<CommonParameters>]

DESCRIPTION Gets all icon IDs

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>Get-ALicon -websession $websession

REMARKS To see the examples, type: "get-help Get-ALicon -examples". For more information, type: "get-help Get-ALicon -detailed". For technical information, type: "get-help Get-ALicon -full".

CHAPTER 20

Get-ALiconassoc

NAME Get-ALiconassoc

SYNOPSIS Gets items associated with icon

SYNTAX Get-ALiconassoc [-websession] <Object> [-iconid] <String> [<CommonParameters>]

DESCRIPTION Gets items associated with icon

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-iconid <String> Icon ID

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>Get-ALicon -websession $websession

REMARKS To see the examples, type: "get-help Get-ALiconassoc -examples". For more information, type: "get-help Get-ALiconassoc -detailed". For technical information, type: "get-help Get-ALiconassoc -full".

CHAPTER 21

Get-ALimage

NAME Get-ALimage

SYNOPSIS Gets all images(templates)

SYNTAX Get-ALimage [-websession] <Object> [<CommonParameters>]

DESCRIPTION Gets all images(templates)

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>Get-ALimage -websession $websession

REMARKS To see the examples, type: "get-help Get-ALimage -examples". For more information, type: "get-help Get-ALimage -detailed". For technical information, type: "get-help Get-ALimage -full".

CHAPTER 22

Get-ALImageComp

NAME Get-ALImageComp

SYNOPSIS Gets image composition details

SYNTAX Get-ALImageComp [-websession] <Object> [[-id] <String>] [[-name] <String>] [<CommonParameters>]

DESCRIPTION Gets image composition details

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-id <String> Image(template) id

-name <String> Image name (supports wildcard)

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>Gets all images and layer composition

Get-ALImageComp -websession $websession

——————— EXAMPLE 2 ———————

PS C:>Gets image and layer composition based on ID

Get-ALImageComp -websession $websession -id 5535

——————— EXAMPLE 3 ———————

PS C:>Gets image and layer composition based on name

Get-ALImageComp -websession $websession -name “Windows 10”

——————— EXAMPLE 4 ———————

PS C:>Gets image and layer composition based on name (wildcard)

Get-ALImageComp -websession $websession -name "*10*"

REMARKS To see the examples, type: "get-help Get-ALImageComp -examples". For more information, type: "get-help Get-ALImageComp -detailed". For technical information, type: "get-help Get-ALImageComp -full".

CHAPTER 23

Get-ALimageDetail

NAME Get-ALimageDetail

SYNOPSIS Gets additional image(template) detail

SYNTAX Get-ALimageDetail [-websession] <Object> [-id] <String> [<CommonParameters>]

DESCRIPTION Gets additional image(template) detail

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-id <String> Image(template) id

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>get-alimagedetail -websession $websession -id $image.id

REMARKS To see the examples, type: "get-help Get-ALimageDetail -examples". For more information, type: "get-help Get-ALimageDetail -detailed". For technical information, type: "get-help Get-ALimageDetail -full".

CHAPTER 24

Get-ALImportableRev

NAME Get-ALImportableRev

SYNOPSIS Gets revisions that can be used to import

SYNTAX Get-ALImportableRev [-websession] <Object> [-sharepath] <String> [[-username] <String>] [[-sharepw] <String>] [-showall] [<CommonParameters>]

DESCRIPTION Gets revisions that can be used to import

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-sharepath <String> Share UNC Path type

-username <String> Share username

-sharepw <String> Share password

-showall [<SwitchParameter>] Get all layers including non exportable ones

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>Get-ALImportableRev -websession $websession -sharepath "\myserverpathlayers"

REMARKS To see the examples, type: "get-help Get-ALImportableRev -examples". For more information, type: "get-help Get-ALImportableRev -detailed". For technical information, type: "get-help Get-ALImportableRev -full".

CHAPTER 25

Get-ALLayerInstallDisk

NAME Get-ALLayerInstallDisk

SYNOPSIS Gets install disk location during finalize process

SYNTAX Get-ALLayerInstallDisk [-websession] <Object> [-id] <String> [<CommonParameters>]

DESCRIPTION Gets install disk location during finalize process

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-id <String> Layer ID to be located

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>get-allayerinstalldisk -websession $websession -layerid $apprevid.LayerId

REMARKS To see the examples, type: "get-help Get-ALLayerInstallDisk -examples". For more information, type: "get-help Get-ALLayerInstallDisk -detailed". For technical information, type: "get-help Get-ALLayerInstallDisk -full".

CHAPTER 26

Get-ALLdapObject

NAME Get-ALLdapObject

SYNOPSIS Locates LDAP user or group object

SYNTAX Get-ALLdapObject [-websession] <Object> [-object] <String> [<CommonParameters>]

DESCRIPTION Locates LDAP user or group object

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-object <String> Group or user to be located

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>get-alldapobject -websession $websession -object "myusername"

——————— EXAMPLE 2 ———————

PS C:>$users = @('MyGroup1','MyGroup2','Domain Users')

$finduser = $users|get-alldapobject -websession $websession

REMARKS To see the examples, type: "get-help Get-ALLdapObject -examples". For more information, type: "get-help Get-ALLdapObject -detailed". For technical information, type: "get-help Get-ALLdapObject -full".

CHAPTER 27

Get-ALLocalUser

NAME Get-ALLocalUser

SYNOPSIS Gets ELM local users

SYNTAX Get-ALLocalUser [-websession] <Object> [<CommonParameters>]

DESCRIPTION Gets ELM local users

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>Get-ALLocalUser -websession $websession

REMARKS To see the examples, type: "get-help Get-ALLocalUser -examples". For more information, type: "get-help Get-ALLocalUser -detailed". For technical information, type: "get-help Get-ALLocalUser -full".

CHAPTER 28

Get-ALOsLayer

NAME Get-ALOsLayer

SYNOPSIS Gets all OS layers

SYNTAX Get-ALOsLayer [-websession] <Object> [<CommonParameters>]

DESCRIPTION Gets all OS layers

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>Get-ALOsLayer -websession $websession

REMARKS To see the examples, type: "get-help Get-ALOsLayer -examples". For more information, type: "get-help Get-ALOsLayer -detailed". For technical information, type: "get-help Get-ALOsLayer -full".

CHAPTER 29

Get-ALOsLayerDetail

NAME Get-ALOsLayerDetail

SYNOPSIS Gets detailed information on a OS layer including revisions

SYNTAX Get-ALOsLayerDetail [-websession] <Object> [-id] <String> [<CommonParameters>]

DESCRIPTION Gets detailed information on a OS layer including revisions

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-id <String> Operating System Layer ID

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>get-aloslayerdetail -websession $websession -id $app.AssociatedOsLayerId

REMARKS To see the examples, type: "get-help Get-ALOsLayerDetail -examples". For more information, type: "get-help Get-ALOsLayerDetail -detailed". For technical information, type: "get-help Get-ALOsLayerDetail -full".

CHAPTER 30

Get-ALPendingOp

NAME Get-ALPendingOp

SYNOPSIS Gets appliance operation based on ID

SYNTAX Get-ALPendingOp [-websession] <Object> [-id] <String> [<CommonParameters>]

DESCRIPTION Gets appliance operation based on ID

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-id <String> workticket id

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>Get-ALPendingOp -websession $websession -id $myworkid

REMARKS To see the examples, type: "get-help Get-ALPendingOp -examples". For more information, type: "get-help Get-ALPendingOp -detailed". For technical information, type: "get-help Get-ALPendingOp -full".

CHAPTER 31

Get-ALPlatformlayer

NAME Get-ALPlatformlayer

SYNOPSIS Gets all platform layers

SYNTAX Get-ALPlatformlayer [-websession] <Object> [<CommonParameters>]

DESCRIPTION Gets all platform layers

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>Get-ALPlatformlayer -websession $websession

REMARKS To see the examples, type: "get-help Get-ALPlatformlayer -examples". For more information, type: "get-help Get-ALPlatformlayer -detailed". For technical information, type: "get-help Get-ALPlatformlayer -full".

CHAPTER 32

Get-ALPlatformLayerDetail

NAME Get-ALPlatformLayerDetail

SYNOPSIS Gets detailed information on a platform layer including revisions

SYNTAX Get-ALPlatformLayerDetail [-websession] <Object> [-id] <String> [<CommonParameters>]

DESCRIPTION Gets detailed information on a platform layer including revisions

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-id <String> Platform layer ID

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>get-alplatformlayerDetail -websession $websession -id $platform.id

REMARKS To see the examples, type: "get-help Get-ALPlatformLayerDetail -examples". For more information, type: "get-help Get-ALPlatformLayerDetail -detailed". For technical information, type: "get-help Get-ALPlatformLayerDetail -full".

CHAPTER 33

Get-ALRemoteshare

NAME Get-ALRemoteshare

SYNOPSIS Gets CIFS share information currently configured

SYNTAX Get-ALRemoteshare [-websession] <Object> [<CommonParameters>]

DESCRIPTION Gets CIFS share information currently configured

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>Get-ALRemoteshare -websession $websession

REMARKS To see the examples, type: "get-help Get-ALRemoteshare -examples". For more information, type: "get-help Get-ALRemoteshare -detailed". For technical information, type: "get-help Get-ALRemoteshare -full".

CHAPTER 34

Get-ALStatus

NAME Get-ALStatus

SYNOPSIS Gets any non-completed task currently running on appliance

SYNTAX Get-ALStatus [-websession] <Object> [[-id] <String>] [<CommonParameters>]

DESCRIPTION Gets any non-completed task currently running on appliance

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-id <String> Workticket ID of job

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>Get-ALStatus -websession $websession

——————— EXAMPLE 2 ———————

PS C:>Get-ALStatus -websession $websession -id "4521984"

REMARKS To see the examples, type: "get-help Get-ALStatus -examples". For more information, type: "get-help Get-ALStatus -detailed". For technical information, type: "get-help Get-ALStatus -full".

CHAPTER 35

Get-ALSystemInfo

NAME Get-ALSystemInfo

SYNOPSIS Gets appliance System Details

SYNTAX Get-ALSystemInfo [-websession] <Object> [<CommonParameters>]

DESCRIPTION Gets appliance System Details

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>Get-ALSystemInfo -websession $websession

REMARKS To see the examples, type: "get-help Get-ALSystemInfo -examples". For more information, type: "get-help Get-ALSystemInfo -detailed". For technical information, type: "get-help Get-ALSystemInfo -full".

CHAPTER 36

Get-ALSystemSettingInfo

NAME Get-ALSystemSettingInfo

SYNOPSIS Gets appliance System Settings

SYNTAX Get-ALSystemSettingInfo [-websession] <Object> [<CommonParameters>]

DESCRIPTION Gets appliance System Settings

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>Get-ALSystemSettingInfo -websession $websession

REMARKS To see the examples, type: "get-help Get-ALSystemSettingInfo -examples". For more information, type: "get-help Get-ALSystemSettingInfo -detailed". For technical information, type: "get-help Get-ALSystemSettingInfo -full".

CHAPTER 37

Get-ALUserAssignment

NAME Get-ALUserAssignment

SYNOPSIS Gets user app layer assignments

SYNTAX Get-ALUserAssignment [-websession] <Object> [-id] <String[]> [<CommonParameters>]

DESCRIPTION Gets user app layer assignments

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-id <String[]> Unidesk ID of user

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>Get-ALUserAssignments -websession $websession -id "4521984" -Verbose

REMARKS To see the examples, type: "get-help Get-ALUserAssignment -examples". For more information, type: "get-help Get-ALUserAssignment -detailed". For technical information, type: "get-help Get-ALUserAssignment -full".

CHAPTER 38

Get-ALUserDetail

NAME Get-ALUserDetail

SYNOPSIS Gets detailed information on user from directory junction

SYNTAX Get-ALUserDetail [-websession] <Object> [-id] <String> [-junctionid] <String> [-ldapguid] <String> [-dn] <String> [<CommonParameters>]

DESCRIPTION Gets detailed information on user from directory junction

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-id <String> Unidesk ID of user

-junctionid <String> Directory junction ID

-ldapguid <String>

-dn <String> LDAP DN of user

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>Get-ALUserDetail -websession $websession -junctionid $dir.id -ldapguid $userid.DirectoryId.LdapGuid -dn $userid.DirectoryId.LdapDN -id $userid.DirectoryId.UnideskId

REMARKS To see the examples, type: "get-help Get-ALUserDetail -examples". For more information, type: "get-help Get-ALUserDetail -detailed". For technical information, type: "get-help Get-ALUserDetail -full".

CHAPTER 39

Get-ALUserGroupMembership

NAME Get-ALUserGroupMembership

SYNOPSIS Gets group membership of user

SYNTAX Get-ALUserGroupMembership [-websession] <Object> [-id] <String> [-junctionid] <String> [-ldapguid] <String> [-ldapdn] <String> [-sid] <String> [<CommonParameters>]

DESCRIPTION Gets group membership of user

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-id <String> Unidesk ID of user

-junctionid <String> Directory Junction ID

-ldapguid <String> User LDAP guid

-ldapdn <String> User LDAP DN

-sid <String> User SID

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>Get-ALUserGroupMembership -websession $websession -junctionid $dir.id -id $User.DirectoryId.UnideskId -ldapguid $user.FullId.LdapGuid -ldapdn $user.FullId.LdapDN -sid $userdetail.FullId.sid

REMARKS To see the examples, type: "get-help Get-ALUserGroupMembership -examples". For more information, type: "get-help Get-ALUserGroupMembership -detailed". For technical information, type: "get-help Get-ALUserGroupMembership -full".

CHAPTER 40

Get-ALUserList

NAME Get-ALUserList

SYNOPSIS Gets list of users and groups for specific LDAP DN

SYNTAX Get-ALUserList [-websession] <Object> [-junctionid] <String> [[-dn] <String>] [<CommonParameters>]

DESCRIPTION Gets list of users and groups for specific LDAP DN

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-junctionid <String> Directory junction ID

-dn <String> LDAP DN of user location

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>Get-ALUserList -websession $websession -junctionid $dir.id -dn "CN=Users,DC=mydomain,DC=com"

——————— EXAMPLE 2 ———————

PS C:>Get-ALUserList -websession $websession -junctionid $dir.id

REMARKS To see the examples, type: "get-help Get-ALUserList -examples". For more information, type: "get-help Get-ALUserList -detailed". For technical information, type: "get-help Get-ALUserList -full".

CHAPTER 41

Get-AlVcenterConnector

NAME Get-AlVcenterConnector

SYNOPSIS Gets Vcenter Connector configuration

SYNTAX Get-AlVcenterConnector [-websession] <Object> [[-name] <String>] [-includescripts] [[-connid] <String>] [<CommonParameters>]

DESCRIPTION Gets Vcenter Connector configuration

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-name <String> Name of object to return

-includescripts [<SwitchParameter>] Include ELM script hosts in return

-connid <String>

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>Get-AlVcenterConnector -websession $websession

REMARKS To see the examples, type: "get-help Get-AlVcenterConnector -examples". For more information, type: "get-help Get-AlVcenterConnector -detailed". For technical information, type: "get-help Get-AlVcenterConnector -full".

CHAPTER 42

Get-alVcenterObject

NAME Get-alVcenterObject

SYNOPSIS Gets Vcenter Connector datacenters

SYNTAX Get-alVcenterObject [-websession] <Object> [[-configid] <String>] [-vcenter] <String> [[-vcenterpass] <String>] [-username] <String> [-type] <String> [[-dc] <String>] [[-vmfolder] <String>] [[-name] <String>] [<CommonParameters>]

DESCRIPTION Gets Vcenter Connector datacenters

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-configid <String> Connector ID

-vcenter <String> vCenter Hostname

-vcenterpass <String> Password to authenticate to vcenter

-username <String> Username to authenticate to vcenter

-type <String> Type of object to return

-dc <String> vCenter Datacenter ID to query

-vmfolder <String> vCenter folder ID to query

-name <String> Name of object to return

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>Get-alVcenterObjectDataCenter -websession $websession -configid $vcenter.pccId -username $vcenter.pccConfig.userName -vcenter $vcenter.pccConfig.vCenterServer -Verbose

REMARKS To see the examples, type: "get-help Get-alVcenterObject -examples". For more information, type: "get-help Get-alVcenterObject -detailed". For technical information, type: "get-help Get-alVcenterObject -full".

CHAPTER 43

Get-ALVMName

NAME Get-ALVMName

SYNOPSIS Extracts VM name out of "action required" task

SYNTAX Get-ALVMName [-message] <Object> [<CommonParameters>]

DESCRIPTION Extracts VM name out of "action required" task

PARAMETERS

-message <Object> Message from pending operation

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>Get-ALVMName -message $status.WorkItems.WorkItemResult.Status

REMARKS To see the examples, type: "get-help Get-ALVMName -examples". For more information, type: "get-help Get-ALVMName -detailed". For technical information, type: "get-help Get-ALVMName -full".

Commands

This page contains details on **** commands.

CHAPTER 44

Import-ALLayerRev

NAME Import-ALLayerRev

SYNOPSIS Imports existing layers from share into ELM

SYNTAX Import-ALLayerRev [-websession] <Object> [-sharepath] <String> [-id] <String> [[-username] <String>] [[-sharepw] <String>] [<CommonParameters>]

DESCRIPTION Imports existing layers from share into ELM

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-sharepath <String> Share UNC Path type

-id <String> ID(s) of revision layers to export

-username <String> Share username

-sharepw <String> Share password

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>Import-ALlayerrevs -websession $websession -sharepath "\myserverpathlayers" -id @(12042,225252,2412412)

REMARKS To see the examples, type: "get-help Import-ALLayerRev -examples". For more information, type: "get-help Import-ALLayerRev -detailed". For technical information, type: "get-help Import-ALLayerRev -full".

CHAPTER 45

Import-ALOsLayer

NAME Import-ALOsLayer

SYNOPSIS Creates a new operating system layer

SYNTAX Import-ALOsLayer [-websession] <Object> [-vmname] <String> [[-description] <String>] [-connectorid] <String> [-shareid] <String> [[-icon] <String>] [-name] <String> [[-size] <String>] [-version] <String> [-vmid] <String> [-hypervisor] <String[]> [-WhatIf] [-Confirm] [<CommonParameters>]

DESCRIPTION Creates a new operating system layer

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-vmname <String> Virtual machine name to import from

-description <String> Description of the layer

-connectorid <String> ID of Connector to use

-shareid <String> ID of file share

-icon <String> Icon ID (default 196608)

-name <String> Name of the layer

-size <String> Size of layer in GB (default 61440)

-version <String> Version number of the layer

-vmid <String> Virtual Machine ID from vCenter or GUID XenCenter

-hypervisor <String[]> Hypversior to import from (ESXI or XenServer)

-WhatIf [<SwitchParameter>]

-Confirm [<SwitchParameter>]

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>$fileshare = Get-ALRemoteshare -websession $websession

$connector = Get-ALconnector -websession $websession -type Create|where{$_.name -eq "MYvCenter"} $shares = get-alremoteshare -websession $websession #vCenter Command $vm = Get-VM "Windows2016VM" $vmid = $vm.Id -replace "VirtualMachine-","" $response = import-aloslayer -websession $websession -vmname $vm.name -connectorid $connector.id -shareid $fileshare.id -name "Windows 2016" -version "1.0" -vmid $vmid -hypervisor esxi

——————— EXAMPLE 2 ———————

PS C:>$fileshare = Get-ALRemoteshare -websession $websession

$connector = Get-ALconnector -websession $websession -type Create|where{$_.name -eq "MYXenCenter"} $shares = get-alremoteshare -websession $websession #Xen Command $XenVM = get-xenvm -name $VMName $response = import-aloslayer -websession $websession -vmname $vmname -connectorid $connector.id -shareid $fileshare.id -name "Windows 2016" -version "1.0" -vmid $XenVM.uuid -hypervisor xenserver

REMARKS To see the examples, type: "get-help Import-ALOsLayer -examples". For more information, type: "get-help Import-ALOsLayer -detailed". For technical information, type: "get-help Import-ALOsLayer -full".

Commands

This page contains details on ***** commands.

CHAPTER 46

Invoke-ALCreateBundle

NAME Invoke-ALCreateBundle

SYNOPSIS Creates diagnostic bundle

SYNTAX Invoke-ALCreateBundle [-websession] <Object> [-IncludeCrashDumps] [-WhatIf] [-Confirm] [<CommonParameters>]

DESCRIPTION Creates diagnostic bundle

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-IncludeCrashDumps [<SwitchParameter>]

-WhatIf [<SwitchParameter>]

-Confirm [<SwitchParameter>]

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>Invoke-ALCreateBundle -websession $websession

REMARKS To see the examples, type: "get-help Invoke-ALCreateBundle -examples". For more information, type: "get-help Invoke-ALCreateBundle -detailed". For technical information, type: "get-help Invoke-ALCreateBundle -full".

CHAPTER 47

Invoke-ALLayerFinalize

NAME Invoke-ALLayerFinalize

SYNOPSIS Runs finalize process on a layer

SYNTAX Invoke-ALLayerFinalize [-websession] <Object> [-fileshareid] <String> [-LayerRevisionId] <String> [-uncpath] <String> [-filename] <String> [-WhatIf] [-Confirm] [<CommonParameters>]

DESCRIPTION Runs finalize process on a layer

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-fileshareid <String> ID of file share location used to store disk

-LayerRevisionId <String> Revision ID of layer to be finalized

-uncpath <String> UNC Path of fileshare

-filename <String> Filename of the disk

-WhatIf [<SwitchParameter>]

-Confirm [<SwitchParameter>]

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>$app = Get-ALapplayer -websession $websession|where{$_.name -eq "7-Zip"}

$apprevs = get-alapplayerdetail -websession $websession -id $app.Id $shares = get-alremoteshare -websession $websession $apprevid = $apprevs.Revisions.AppLayerRevisionDetail|where{$_.state -eq "Finalizable"}|Sort-Object revision -Descending|select -First 1 $disklocation = get-allayerinstalldisk -websession $websession -layerid $apprevid.LayerId invoke-allayerfinalize -websession $websession -fileshareid $shares.id -LayerRevisionId $apprevid.Id -uncpath $disklocation.diskuncpath -filename $disklocation.diskname

REMARKS To see the examples, type: "get-help Invoke-ALLayerFinalize -examples". For more information, type: "get-help Invoke-ALLayerFinalize -detailed". For technical information, type: "get-help Invoke-ALLayerFinalize -full".

CHAPTER 48

Invoke-ALPublish

NAME Invoke-ALPublish

SYNOPSIS Publishes image(template)

SYNTAX Invoke-ALPublish [-websession] <Object> [-imageid] <Array> [[-description] <Array>] [-WhatIf] [-Confirm] [<CommonParameters>]

DESCRIPTION Publishes image(template)

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-imageid <Array> Image ID's to be published

-description <Array>

-WhatIf [<SwitchParameter>]

-Confirm [<SwitchParameter>]

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>$images = Get-ALimage -websession $websession|where{$_.name -eq "Win 10 Accounting"}

$image = get-alimagedetail -websession $websession -id $images.Id invoke-alpublish -websession $websession -imageid $images.id

REMARKS To see the examples, type: "get-help Invoke-ALPublish -examples". For more information, type: "get-help Invoke-ALPublish -detailed". For technical information, type: "get-help Invoke-ALPublish -full".

Commands

This page contains details on **** commands.

CHAPTER 49

New-ALAppLayer

NAME New-ALAppLayer

SYNOPSIS Creates a new application layer

SYNTAX New-ALAppLayer [-websession] <Object> [-version] <String> [-name] <String> [[-description] <String>] [[-revdescription] <String>] [[-OsLayerSwitching] <String>] [-connectorid] <String> [-osrevid] <String> [[-platformrevid] <String>] [[-appprereqid] <String[]>] [-diskformat] <String> [-fileshareid] <String> [[-size] <String>] [[-icon] <String>] [-WhatIf] [-Confirm] [<CommonParameters>]

DESCRIPTION Creates a new application layer

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-version <String> Version of the layer

-name <String> Name of the layer

-description <String> Description of the layer

-revdescription <String> Revision description

-OsLayerSwitching <String> Allow OS Switching NotBoundToOsLayer=ON BoundToOsLayer=OFF

-connectorid <String> ID of Connector to use

-osrevid <String> Operating system version ID

-platformrevid <String> Platform version ID if needed

-appprereqid <String[]> Application Layer Prerequisie version ID(s) if needed

-diskformat <String> Disk format of the image

-fileshareid <String> Fileshare ID to store disk

-size <String> Size of layer in GB (default 10240)

-icon <String> Icon ID (default 196608)

-WhatIf [<SwitchParameter>]

-Confirm [<SwitchParameter>]

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————————— EXAMPLE 1 ———————————

PS C:>$connector = Get-ALconnector -websession $websession -type Create|where{$_.name -eq "MYvCenter"}

$fileshare = Get-ALRemoteshare -websession $websession $oss = Get-ALOsLayer -websession $websession|where{$_.name -eq "Windows 10 x64"} $osrevs = get-aloslayerDetail -websession $websession -id $oss.id $osrevid = $osrevs.Revisions.OsLayerRevisionDetail|where{$_.state -eq "Deployable"}|Sort-Object revision -Descending|select -First 1 new-alapplayer -websession $websession -version "1.0" -name "Accounting APP" -description "Accounting application" -connectorid $connector.id -osrevid $osrevid.Id -diskformat $connector.ValidDiskFormats.DiskFormat -OsLayerSwitching BoundToOsLayer -fileshareid $fileshare.id

REMARKS To see the examples, type: "get-help New-ALAppLayer -examples". For more information, type: "get-help New-ALAppLayer -detailed". For technical information, type: "get-help New-ALAppLayer -full".

CHAPTER 50

New-AlApplayerClone

NAME New-AlApplayerClone

SYNOPSIS Clones a Layer

SYNTAX New-AlApplayerClone [-websession] <Object> [-apprevid] <Object> [-name] <String> [[-description] <String>] [[-iconid] <String>] [-targetrevversion] <String> [[-targetrevdescription] <String>] [-WhatIf] [-Confirm] [<CommonParameters>]

DESCRIPTION Clones a Layer

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-apprevid <Object> Application revision version id to clone from

-name <String> Name of the cloned layer

-description <String> Description of the cloned layer

-iconid <String> Icon ID

-targetrevversion <String> Versionname of the cloned layer revision

-targetrevdescription <String> Description for the cloned layer revision

-WhatIf [<SwitchParameter>]

-Confirm [<SwitchParameter>]

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>$layer = Get-ALapplayer -websession $websession | Where-Object {$_.name -like "S2016_APP_JAVA"}

$apprevs = Get-ALapplayerDetail -websession $websession -id $layer.id $apprevid = $apprevs.Revisions.AppLayerRevisionDetail | Sort-Object id | Select-Object -Last 1 $targetrevversion =

$apprevid.DisplayedVersion $targetrevdescription = "Cloned revision $($targetrevversion)" $name = "$($Layer.name)_Copy" $description = $($Layer.name) $Iconid = $(Get-ALicon -websession $websession | Where-Object {$(Get-ALiconassoc -iconid $_.iconid -websession $websession -ea 0) | Where-Object {$_.id -match $layer.id} }).Iconid

REMARKS To see the examples, type: "get-help New-AlApplayerClone -examples". For more information, type: "get-help New-AlApplayerClone -detailed". For technical information, type: "get-help New-AlApplayerClone -full".

CHAPTER 51

New-ALAppLayerRev

NAME New-ALAppLayerRev

SYNOPSIS Creates a new layer version

SYNTAX New-ALAppLayerRev [-websession] <Object> [-version] <String> [-name] <String> [[-description] <String>] [-connectorid] <String> [-appid] <String> [-apprevid] <String> [-osrevid] <String> [[-platformrevid] <String>] [[-appprereqid] <String[]>] [-diskformat] <String> [-fileshareid] <String> [[-size] <String>] [-WhatIf] [-Confirm] [<CommonParameters>]

DESCRIPTION Creates a new layer version

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-version <String> Version of the revision

-name <String> Name of the layer revision

-description <String> Description of the revision

-connectorid <String> ID of Connector to use

-appid <String>

-apprevid <String> Base application version layer id to use

-osrevid <String> OS version layer id to use

-platformrevid <String> Platform version ID if needed

-appprereqid <String[]> Application Layer Prerequisie version ID(s) if needed

-diskformat <String> Diskformat to store layer

-fileshareid <String>

-size <String> Size of layer in GB (default 10240)

-WhatIf [<SwitchParameter>]

-Confirm [<SwitchParameter>]

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>$fileshare = Get-ALRemoteshare -websession $websession

$connector = Get-ALconnector -websession $websession -type Create|where{$_.name -eq "MYvCenter"} $app = Get-ALapplayer -websession $websession|where{$_.name -eq "7-Zip"} $oss = Get-ALOsLayer -websession $websession $osrevs = get-aloslayerdetail -websession $websession -id $app.AssociatedOsLayerId $osrevid = $osrevs.Revisions.OsLayerRevisionDetail|where{$_.state -eq "Deployable"}|Sort-Object revision -Descending|select -First 1 $apprevs = get-alapplayerDetail -websession $websession -id $app.Id $apprevid = $apprevs.Revisions.AppLayerRevisionDetail|where{$_.state -eq "Deployable"}|Sort-Object revision -Descending|select -First 1 new-alapplayerrev -websession $websession -version "9.0" -name $app.Name -connectorid $connector.id -appid $app.Id -apprevid $apprevid.id -osrevid $osrevid.Id -diskformat $connector.ValidDiskFormats.DiskFormat -fileshareid $fileshare.id

REMARKS To see the examples, type: "get-help New-ALAppLayerRev -examples". For more information, type: "get-help New-ALAppLayerRev -detailed". For technical information, type: "get-help New-ALAppLayerRev -full".

CHAPTER 52

new-aldirectory

NAME new-aldirectory

SYNOPSIS Creates Directory Junction

SYNTAX new-aldirectory [-websession] <Object> [-name] <String> [-serveraddress] <String> [[-port] <String>] [-usessl] [-username] <String> [-adpassword] <String> [-basedn] <String> [-force] [-WhatIf] [-Confirm] [<CommonParameters>]

DESCRIPTION Creates Directory Junction

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-name <String> Junction name

-serveraddress <String> AD server to connect

-port <String> AD port (uses 389 and 636 by default)

-usessl [<SwitchParameter>] Connect via SSL

-username <String> AD username (eg admin@domain.com)

-adpassword <String> AD password

-basedn <String> Base AD DN

-force [<SwitchParameter>] Skip AD tests

-WhatIf [<SwitchParameter>]

-Confirm [<SwitchParameter>]

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>new-aldirectory -websession $websession -serveraddress “mydc.domain.com” -Verbose -username “admin@domain.com” -adpassword “MYPASSWORD” -basedn DC=domain,DC=com -name “Mydirectory”

———————— EXAMPLE 2 ————————

PS C:>new-aldirectory -websession $websession -serveraddress “mydc.domain.com” -Verbose -usessl -username “admin@domain.com” -adpassword “MYPASSWORD” -basedn DC=domain,DC=com -name “Mydirectory”

REMARKS To see the examples, type: “get-help new-aldirectory -examples”. For more information, type: “get-help new-aldirectory -detailed”. For technical information, type: “get-help new-aldirectory -full”.

CHAPTER 53

new-ALicon

NAME new-ALicon

SYNOPSIS Converts and uploads image file to be used as icon

SYNTAX new-ALicon [-websession] <Object> [-iconfile] <Object> [-WhatIf] [-Confirm] [<CommonParameters>]

DESCRIPTION Converts and uploads image file to be used as icon

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-iconfile <Object> Icon filename

-WhatIf [<SwitchParameter>]

-Confirm [<SwitchParameter>]

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>Upload-ALicon -websession $websession -iconfilename "d:mysweeticon.png"

REMARKS To see the examples, type: "get-help new-ALicon -examples". For more information, type: "get-help new-ALicon -detailed". For technical information, type: "get-help new-ALicon -full".

CHAPTER 54

New-ALImage

NAME New-ALImage

SYNOPSIS Creates new image(template)

SYNTAX New-ALImage [-websession] <Object> [-name] <String> [[-description] <String>] [-connectorid] <String> [-appids] <String[]> [-osrevid] <String> [-platrevid] <String> [[-ElasticLayerMode] <String>] [-diskformat] <String> [[-size] <String>] [[-icon] <String>] [[-syspreptype] <String>] [-WhatIf] [-Confirm] [<CommonParameters>]

DESCRIPTION Creates new image(template)

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-name <String> Name of the layer

-description <String> Description of the layer

-connectorid <String> ID of Connector to use

-appids <String[]> IDs of application versions to add to image

-osrevid <String> Operating system layer version ID

-platrevid <String> Platform layer version ID

-ElasticLayerMode <String> Elastic Layer setting for the image. Options "None","Session","Office365","SessionOffice365","Desktop"

-diskformat <String> Disk format of the image

-size <String> Size of layer in GB (default 102400)

-icon <String> Icon ID (default 196608)

-syspreptype <String> Syspreptype for the Image. Options "None","Offline" (default "None")

-WhatIf [<SwitchParameter>]

-Confirm [<SwitchParameter>]

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>$connector = Get-ALconnector -websession $websession -type "Publish"|where{$_.name -eq "PVS"}

$oss = Get-ALOsLayer -websession $websession|where{$_.name -eq "Windows 10 x64"} $osrevs = get-aloslayer -websession $websession -id $oss.id $osrevid = $osrevs.Revisions.OsLayerRevisionDetail|where{$_.state -eq "Deployable"}|Sort-Object revision -Descending|select -First 1 $plats = get-alplatformlayer -websession $websession|where{$_.name -eq "Windows 10 VDA"} $platrevs = get-alplatformlayerdetail -websession $websession -id $plats.id $platformrevid = $platrevs.Revisions.PlatformLayerRevisionDetail|where{$_.state -eq "Deployable"}|Sort-Object revision -Descending|select -First 1 $ids = @("1081350","1081349") new-alimage -websession $websession -name "Win10TEST55" -description "Accounting" -connectorid $connector.id -osrevid $osrevid.Id -appids $ids -platrevid $platformrevid.id -diskformat $connector.ValidDiskFormats.DiskFormat -elasticlayermode Desktop

REMARKS To see the examples, type: "get-help New-ALImage -examples". For more information, type: "get-help New-ALImage -detailed". For technical information, type: "get-help New-ALImage -full".

CHAPTER 55

New-ALImageClone

NAME New-ALImageClone

SYNOPSIS Clones an Image

SYNTAX New-ALImageClone [-websession] <Object> [-imageid] <Object> [-WhatIf] [-Confirm] [<CommonParameters>]

DESCRIPTION Clones an Image

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-imageid <Object> id for the image to be cloned

-WhatIf [<SwitchParameter>]

-Confirm [<SwitchParameter>]

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>$image = Get-ALimage -websession $websession | where {$_.name -eq "Windows 10 Accounting"}

New-ALImageClone -websession $websession -imageid $image.Id -Confirm:$false -OutVariable ALImageClone

REMARKS To see the examples, type: "get-help New-ALImageClone -examples". For more information, type: "get-help New-ALImageClone -detailed". For technical information, type: "get-help New-ALImageClone -full".

CHAPTER 56

New-ALOsLayerRev

NAME New-ALOsLayerRev

SYNOPSIS Creates new OS layer version

SYNTAX New-ALOsLayerRev [-websession] <Object> [-version] <String> [[-description] <String>] [-connectorid] <String> [-osid] <String> [-osrevid] <String> [[-platformrevid] <String>] [-diskformat] <String> [-shareid] <String> [-name] <String> [[-size] <String>] [-WhatIf] [-Confirm] [<CommonParameters>]

DESCRIPTION Creates new OS layer version

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-version <String> Version of the new layer

-description <String> Description of the layer

-connectorid <String> ID of Connector to use

-osid <String> Operating system layer ID

-osrevid <String> OS version layer id to use

-platformrevid <String> Platform version ID if needed

-diskformat <String> Disk format of the image

-shareid <String> ID of file share

-name <String> Name of the PackagingDisk or layer version

-size <String> Size of layer in GB (default 61440)

-WhatIf [<SwitchParameter>]

-Confirm [<SwitchParameter>]

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>$fileshare = Get-ALRemoteshare -websession $websession

$connector = Get-ALconnector -websession $websession -type Create|where{$_.name -eq "MYvCenter"} $oss = Get-ALOsLayer -websession $websession|where{$_.name -eq "Windows 2016 Standard"} $osrevs = get-aloslayerDetail -websession $websession -id $oss.id $osrevid = $osrevs.Revisions.OsLayerRevisionDetail|where{$_.state -eq "Deployable"}|Sort-Object revision -Descending|select -First 1 new-aloslayerrev -websession $websession -version "2.0" -connectorid $connector.Id -osid $oss.id -osrevid $osrevid.id -diskformat $connector.ValidDiskFormats.DiskFormat -shareid $fileshare.id

REMARKS To see the examples, type: "get-help New-ALOsLayerRev -examples". For more information, type: "get-help New-ALOsLayerRev -detailed". For technical information, type: "get-help New-ALOsLayerRev -full".

CHAPTER 57

New-ALPlatformLayer

NAME New-ALPlatformLayer

SYNOPSIS Creates new platform layer

SYNTAX New-ALPlatformLayer [-websession] <Object> [[-version] <String>] [-osrevid] <String> [-connectorid] <String> [[-Description] <String>] [-shareid] <String> [[-iconid] <String>] [-name] <String> [[-size] <String>] [-diskformat] <String> [[-platformrevid] <String>] [-type] <String> [[-HypervisorPlatformTypeId] <String>] [[-ProvisioningPlatformTypeId] <String>] [[-BrokerPlatformTypeId] <String>] [-WhatIf] [-Confirm] [<CommonParameters>]

DESCRIPTION Creates new platform layer

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-version <String> Version of the new layer

-osrevid <String> OS version layer id to use

-connectorid <String> ID of Connector to use

-Description <String> Description of the layer

-shareid <String> ID of file share

-iconid <String>

-name <String> Name of the layer

-size <String> Size of layer in GB (default 10240)

-diskformat <String> Disk format of the image

-platformrevid <String> Platform version ID if needed

-type <String> Type of platform layer to create (Create or Publish)

-HypervisorPlatformTypeId <String> Hypervisor type of platform layer (default=vsphere)

-ProvisioningPlatformTypeId <String> Provisioning type MCS or PVS (default=mcs)

-BrokerPlatformTypeId <String> Broker type used (default=xendesktop)

-WhatIf [<SwitchParameter>]

-Confirm [<SwitchParameter>]

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>$fileshare = Get-ALRemoteshare -websession $websession

$connector = Get-ALconnector -websession $websession -type Create|where{$_.name -eq "MYvCenter"} $oss = Get-ALOsLayer -websession $websession|where{$_.name -eq "Windows 2016 Standard"} $osrevs = get-aloslayerdetail -websession $websession -id $oss.id $osrevid = $osrevs.Revisions.OsLayerRevisionDetail|where{$_.state -eq "Deployable"}|Sort-Object revision -Descending|select -First 1 New-ALPlatformLayer -websession $websession -osrevid $osrevid.Id -name "Citrix XA VDA 7.18" -connectorid $connector.id -shareid $fileshare.id -diskformat $connector.ValidDiskFormats.DiskFormat -type Create

REMARKS To see the examples, type: "get-help New-ALPlatformLayer -examples". For more information, type: "get-help New-ALPlatformLayer -detailed". For technical information, type: "get-help New-ALPlatformLayer -full".

CHAPTER 58

New-ALPlatformLayerRev

NAME New-ALPlatformLayerRev

SYNOPSIS Creates new platform layer version

SYNTAX New-ALPlatformLayerRev [-websession] <Object> [-osrevid] <String> [-connectorid] <String> [[-Description] <String>] [-shareid] <String> [-layerid] <String> [-layerrevid] <String> [-version] <String> [-Diskname] <String> [[-size] <String>] [-diskformat] <String> [[-HypervisorPlatformTypeId] <String>] [[-ProvisioningPlatformTypeId] <String>] [[-BrokerPlatformTypeId] <String>] [-WhatIf] [-Confirm] [<Common-Parameters>]

DESCRIPTION Creates new platform layer version

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-osrevid <String> OS version layer id to use

-connectorid <String> ID of Connector to use

-Description <String> Description of the layer

-shareid <String> ID of file share

-layerid <String> Platform layer ID

-layerrevid <String> Version ID to base version from

-version <String> Version of the new layer

-Diskname <String> Disk file name

-size <String> Size of layer in MB (default 10240)

-diskformat <String> Disk format of the image

-HypervisorPlatformTypeId <String> Hypervisor type of platform layer (default=vsphere)

-ProvisioningPlatformTypeId <String> Provisioning type MCS or PVS (default=mcs)

-BrokerPlatformTypeId <String> Broker type used (default=xendesktop)

-WhatIf [<SwitchParameter>]

-Confirm [<SwitchParameter>]

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————————— EXAMPLE 1 ———————————

PS C:>$connector = Get-ALconnector -websession $websession -type "Create"

$shares = get-alremoteshare -websession $websession $oss = Get-ALOsLayer -websession $websession|where{$_.name -eq "Windows 10 x64"} $osrevs = get-aloslayerdetail -websession $websession -id $oss.id $osrevid = $osrevs.Revisions.OsLayerRevisionDetail|where{$_.state -eq "Deployable"}|Sort-Object revision -Descending|select -First 1 $plats = Get-ALPlatformlayer -websession $websession|where{$_.name -eq "Windows 10 VDA"} $platrevs = get-alplatformlayerDetail -websession $websession -id $plats.id $platformrevid = $platrevs.Revisions.PlatformLayerRevisionDetail|where{$_.state -eq "Deployable"}|Sort-Object revision -Descending|select -First 1

$params = @{ websession = $websession; osrevid = $osrevid.Id; connectorid = $connector.Id; shareid = $shares.id; layerid = $plats.Id; layerrevid = $platformrevid.id; version = "5.0"; Diskname = $plats.Name; Verbose = $true; Description = "test"; diskformat = $connector.ValidDiskFormats.DiskFormat;

REMARKS To see the examples, type: "get-help New-ALPlatformLayerRev -examples". For more information, type: "get-help New-ALPlatformLayerRev -detailed". For technical information, type: "get-help New-ALPlatformLayerRev -full".

CHAPTER 59

new-AlVcenterConnector

NAME new-AlVcenterConnector

SYNOPSIS Creates vCenter Connector configuration

SYNTAX new-AlVcenterConnector [-websession] <Object> [-name] <Object> [-dc] <Object> [-datastore] <Object> [-hostsystem] <Object> [-network] <Object> [-folder] <Object> [-connid] <Object> [-vcenterpass] <Object> [-username] <Object> [-vcenter] <Object> [[-vmtemplate] <Object>] [[-cachesize] <Object>] [-WhatIf] [-Confirm] [<CommonParameters>]

DESCRIPTION Creates vCenter Connector configuration

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-name <Object> Name of the new connector

-dc <Object> vCenter Datacenter id

-datastore <Object> vCenter Datastore id

-hostsystem <Object> vCenter ESXI hostname id

-network <Object> vCenter network id

-folder <Object> vCenter folder id

-connid <Object> ELM platform connection id

-vcenterpass <Object> vCenter password to authenticate

-username <Object> vCenter username to authenticate

-vcenter <Object> vCenter hostname

-vmtemplate <Object> vCenter template id to use

-cachesize <Object> Cache size for connector (GB)

-WhatIf [<SwitchParameter>]

-Confirm [<SwitchParameter>]

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————————— EXAMPLE 1 ———————————

PS C:>$Params = @{

Name = "MyconnectorTest" DC = $dc DATASTORE = $datastore HOSTSYSTEM = $hostvar NETWORK = $network FOLDER = $folder CONNID = $type.Id VMTEMPLATE = $template CACHESIZE = "250" }

new-AlVcenterConnector -websession $websession -username $usernamevc -vcenter $vcentername -vcenterpass $vcenterpassword @params

REMARKS To see the examples, type: "get-help new-AlVcenterConnector -examples". For more information, type: "get-help new-AlVcenterConnector -detailed". For technical information, type: "get-help new-AlVcenterConnector -full".

Commands

This page contains details on **** commands.

CHAPTER 60

Remove-ALAppassignment

NAME Remove-ALAppassignment

SYNOPSIS Removes a layer(application) assignment to image(template)

SYNTAX Remove-ALAppassignment [-websession] <Object> [-applayerid] <String> [-imageid] <String> [-WhatIf] [-Confirm] [<CommonParameters>]

DESCRIPTION Removes a layer(application) assignment to image(template)

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-applayerid <String>

-imageid <String> Image or template where application should be removed

-WhatIf [<SwitchParameter>]

-Confirm [<SwitchParameter>]

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>$image = Get-ALimage -websession $websession|where{$_.name -eq "Accounting}

$app = Get-ALapplayer -websession $websession|where{$_.name -eq "Libre Office"} $apprevs = get-alapplayer -websession $websession -id $app.Id $apprevid = $apprevs.Revisions.AppLayerRevisionDetail|where{$_.state -eq "Deployable"}|Sort-Object revision -Descending|select -First 1 remove-alappassignment -websession $websession -applayerid $apprevid.LayerId -imageid $image.id

REMARKS To see the examples, type: "get-help Remove-ALAppassignment -examples". For more information, type: "get-help Remove-ALAppassignment -detailed". For technical information, type: "get-help Remove-ALAppassignment -full".

CHAPTER 61

Remove-ALAppLayerRev

NAME Remove-ALAppLayerRev

SYNOPSIS Removes a app layer version

SYNTAX Remove-ALAppLayerRev [-websession] <Object> [-appid] <Object> [-apprevid] <Object> [-fileshareid] <Object> [-WhatIf] [-Confirm] [<CommonParameters>]

DESCRIPTION Removes a app layer version

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-appid <Object> Base application layer version id to use

-apprevid <Object> Application revision version id to use

-fileshareid <Object>

-WhatIf [<SwitchParameter>]

-Confirm [<SwitchParameter>]

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>$fileshare = Get-ALRemoteshare -websession $websession

$appid = Get-ALapplayer -websession $websession | where{$_.name -eq "7-Zip"} $apprevid = get-alapplayerDetail -websession $websession -id $appid.Id $apprevid = $apprevid.Revisions.AppLayerRevisionDetail | where{$_.candelete -eq $true} | Sort-Object revision -Descending | select -First 1 remove-alapplayerrev -websession $websession -appid $appid.Id -apprevid $apprevid.id -fileshareid $fileshare.id

REMARKS To see the examples, type: "get-help Remove-ALAppLayerRev -examples". For more information, type: "get-help Remove-ALAppLayerRev -detailed". For technical information, type: "get-help Remove-ALAppLayerRev -full".

CHAPTER 62

Remove-ALConnector

NAME Remove-ALConnector

SYNOPSIS Removes Connector

SYNTAX Remove-ALConnector [-websession] <Object> [-connid] <Object> [-WhatIf] [-Confirm] [<CommonParameters>]

DESCRIPTION Removes Connector

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-connid <Object> Connector ID

-WhatIf [<SwitchParameter>]

-Confirm [<SwitchParameter>]

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>Remove-ALConnector -websession $websession -connid $conn.Id

REMARKS To see the examples, type: "get-help Remove-ALConnector -examples". For more information, type: "get-help Remove-ALConnector -detailed". For technical information, type: "get-help Remove-ALConnector -full".

CHAPTER 63

remove-ALDirectory

NAME remove-ALDirectory

SYNOPSIS Removes Directory Junction

SYNTAX remove-ALDirectory [-websession] <Object> [-id] <String> [-WhatIf] [-Confirm] [<CommonParameters>]

DESCRIPTION Removes Directory Junction

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-id <String> Directory Junction ID

-WhatIf [<SwitchParameter>]

-Confirm [<SwitchParameter>]

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>Remove-ALDirectory -websession $websession -id "4915204"

REMARKS To see the examples, type: "get-help remove-ALDirectory -examples". For more information, type: "get-help remove-ALDirectory -detailed". For technical information, type: "get-help remove-ALDirectory -full".

CHAPTER 64

Remove-ALELAppassignment

NAME Remove-ALELAppassignment

SYNOPSIS Removes a user account or group to an applications elastic layer assignment

SYNTAX Remove-ALELAppassignment [-websession] <Object> [-applayerid] <String> [-user] <String> [-WhatIf] [-Confirm] [<CommonParameters>]

DESCRIPTION Removes a user account or group to an applications elastic layer assignment

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-applayerid <String>

-user <String> LDAP located user object

-WhatIf [<SwitchParameter>]

-Confirm [<SwitchParameter>]

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>$user = get-alldapobject -websession $websession -object "myusername"

remove-alelappassignment -websession $websession -apprevid $apprevid.Id -user $user

——————— EXAMPLE 2 ———————

PS C:>$users = @('MyGroup1','MyGroup2','Domain Users')

$finduser = $users|get-alldapobject -websession $websession $app = Get-ALapplayerDetail -websession $websession|where{$_.name -eq "Libre Office"} $apprevs = Get-ALapplayerDetail -websession $websession -id $app.Id $apprevid = $apprevs.Revisions.AppLayerRevisionDetail|where{$_.state -eq "Deployable"}|Sort-Object revision -Descending|select -First 1 $finduser|remove-alelappassignment -websession $websession -apprevid $apprevid.Id

REMARKS To see the examples, type: "get-help Remove-ALELAppassignment -examples". For more information, type: "get-help Remove-ALELAppassignment -detailed". For technical information, type: "get-help Remove-ALELAppassignment -full".

CHAPTER 65

remove-ALicon

NAME remove-ALicon

SYNOPSIS Removes icon based on ID

SYNTAX remove-ALicon [-websession] <Object> [-iconid] <String> [-WhatIf] [-Confirm] [<CommonParameters>]

DESCRIPTION Removes icon based on ID

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-iconid <String> Icon ID

-WhatIf [<SwitchParameter>]

-Confirm [<SwitchParameter>]

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————————— EXAMPLE 1 ———————————

PS C:>Remove-ALicon -websession $websession -iconid "4259847"

REMARKS To see the examples, type: "get-help remove-ALicon -examples". For more information, type: "get-help remove-ALicon -detailed". For technical information, type: "get-help remove-ALicon -full".

CHAPTER 66

Remove-ALImage

NAME Remove-ALImage

SYNOPSIS Removes image(template)

SYNTAX Remove-ALImage [-websession] <Object> [-id] <String> [-WhatIf] [-Confirm] [<CommonParameters>]

DESCRIPTION Removes image(template)

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-id <String> ID of image to remove

-WhatIf [<SwitchParameter>]

-Confirm [<SwitchParameter>]

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>$image = Get-ALImage -websession $websession|where{$_.name -eq "Windows 10 Accounting"}

Remove-ALImage -websession $websession -imageid $image.id

REMARKS To see the examples, type: "get-help Remove-ALImage -examples". For more information, type: "get-help Remove-ALImage -detailed". For technical information, type: "get-help Remove-ALImage -full".

CHAPTER 67

Remove-ALOSLayerRev

NAME Remove-ALOSLayerRev

SYNOPSIS Removes a OS layer version

SYNTAX Remove-ALOSLayerRev [-websession] <Object> [-osid] <Object> [-osrevid] <Object> [-fileshareid] <Object> [-WhatIf] [-Confirm] [<CommonParameters>]

DESCRIPTION Removes a OS layer version

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-osid <Object> Base OS layer version id to use

-osrevid <Object> OS revision version id to use

-fileshareid <Object>

-WhatIf [<SwitchParameter>]

-Confirm [<SwitchParameter>]

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>$fileshare = Get-ALRemoteshare -websession $websession

$osid = Get-ALOSlayer -websession $websession | where{$_.name -eq "Windows 10 x64"} $osrevid = Get-ALOSlayerDetail -websession $websession -id $osid.Id $osrevid = $osrevid.Revisions.OSLayerRevisionDetail | where{$_.candelete -eq $true} | Sort-Object revision -Descending | select -Last 1 remove-aloslayerrev -websession $websession -osid $osid.Id -osrevid $osrevid.id -fileshareid $fileshare.id

REMARKS To see the examples, type: "get-help Remove-ALOSLayerRev -examples". For more information, type: "get-help Remove-ALOSLayerRev -detailed". For technical information, type: "get-help Remove-ALOSLayerRev -full".

CHAPTER 68

Remove-ALPlatformLayerRev

NAME Remove-ALPlatformLayerRev

SYNOPSIS Removes a platform layer version

SYNTAX Remove-ALPlatformLayerRev [-websession] <Object> [-platformid] <Object> [-platformrevid] <Object> [-fileshareid] <Object> [-WhatIf] [-Confirm] [<CommonParameters>]

DESCRIPTION Removes a platform layer version

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-platformid <Object> Base platform layer version id to use

-platformrevid <Object> Platform revision version id to use

-fileshareid <Object>

-WhatIf [<SwitchParameter>]

-Confirm [<SwitchParameter>]

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>$fileshare = Get-ALRemoteshare -websession $websession

$platformid = Get-ALPlatformlayer -websession $websession | where{$_.name -eq "Windows 10 VDA"} $platformrevid = Get-ALPlatformlayerDetail -websession $websession -id $platformid.Id $platformrevid = $platformrevid.Revisions.PlatformLayerRevisionDetail | where{$_.candelete -eq $true} | Sort-Object revision -Descending | select -First 1 remove-alplatformlayerrev -websession $websession -platformid $platformid.Id -platformrevid $platformrevid.id -fileshareid $fileshare.id

REMARKS To see the examples, type: "get-help Remove-ALPlatformLayerRev -examples". For more information, type: "get-help Remove-ALPlatformLayerRev -detailed". For technical information, type: "get-help Remove-ALPlatformLayerRev -full".

Commands

This page contains details on ****** commands.

CHAPTER 69

Set-ALAdminUser

NAME Set-ALAdminUser

SYNOPSIS Sets Administrator User Password

SYNTAX Set-ALAdminUser [-websession] <Object> [[-Password] <String>] [-WhatIf] [-Confirm] [<CommonParameters>]

DESCRIPTION Sets Administrator User Password

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-Password <String> New Password for the User

-WhatIf [<SwitchParameter>]

-Confirm [<SwitchParameter>]

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>Set-ALAdminUser -websession $websession -Password $PlainPassword -Verbose

REMARKS To see the examples, type: "get-help Set-ALAdminUser -examples". For more information, type: "get-help Set-ALAdminUser -detailed". For technical information, type: "get-help Set-ALAdminUser -full".

CHAPTER 70

Set-ALApplayer

NAME Set-ALApplayer

SYNOPSIS Edits values of an application layer

SYNTAX Set-ALApplayer [-websession] <Object> [-id] <String> [[-name] <String>] [[-description] <String>] [[-scriptpath] <String>] [[-icon] <String>] [[-OsLayerSwitching] <String>] [-WhatIf] [-Confirm] [<CommonParameters>]

DESCRIPTION Edits values of an application layer

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-id <String> ID of the applayer to edit

-name <String> Name of the application layer

-description <String> Description of the layer

-scriptpath <String> Path of script to be run

-icon <String> Icon ID

-OsLayerSwitching <String> Allow OS Switching NotBoundToOsLayer=ON BoundToOsLayer=OFF

-WhatIf [<SwitchParameter>]

-Confirm [<SwitchParameter>]

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>$app = Get-ALapplayer -websession $websession|where{$_.name -eq "7-Zip"}

Set-alapplayer -websession $websession -name "7-Zip" -description "7-zip" -id $app.Id -scriptpath "C:NeededScript.ps1" -OsLayerSwitching BoundToOsLayer

REMARKS To see the examples, type: "get-help Set-ALApplayer -examples". For more information, type: "get-help Set-ALApplayer -detailed". For technical information, type: "get-help Set-ALApplayer -full".

CHAPTER 71

Set-ALApplayerRev

NAME Set-ALApplayerRev

SYNOPSIS Edits values of an application layer version

SYNTAX Set-ALApplayerRev [-websession] <Object> [-layerid] <String> [-revid] <String> [[-name] <String>] [[-description] <String>] [-WhatIf] [-Confirm] [<CommonParameters>]

DESCRIPTION Edits values of an application layer version

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-layerid <String> ID of the applayer to edit

-revid <String> ID of the applayer version to edit

-name <String> Name of the application layer version

-description <String> Description of the layer version

-WhatIf [<SwitchParameter>]

-Confirm [<SwitchParameter>]

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>$app = Get-ALapplayer -websession $websession|where{$_.name -eq "7-Zip"}

$appdetail = Get-ALapplayerDetail -websession $websession -id $app.Id $appver = $appdetail.Revisions.AppLayerRevisionDetail | select-object -last 1 Set-AlApplayerRev -websession $websession -layerid $app.Id -revid $appver.Id -name "21.06" -description "7-zip 21.06 (2021-11-24)"

REMARKS To see the examples, type: "get-help Set-ALApplayerRev -examples". For more information, type: "get-help Set-ALApplayerRev -detailed". For technical information, type: "get-help Set-ALApplayerRev -full".

CHAPTER 72

Set-ALConnectorCred

NAME Set-ALConnectorCred

SYNOPSIS Sets Connector Credentials

SYNTAX Set-ALConnectorCred [-websession] <Object> [-username] <String> [-password] <String> [-config] <PSObject> [-connector] <PSObject> [-WhatIf] [-Confirm] [<CommonParameters>]

DESCRIPTION Sets Connector Username and Pass

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-username <String> Username to be used for Connector

-password <String> password to be used for Connector

-config <PSObject> Configuration settings for specific connector (Use get-alconnectordetail)

-connector <PSObject> Configurations for specific connector (Use get-alconnector)

-WhatIf [<SwitchParameter>]

-Confirm [<SwitchParameter>]

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>Set-ALconnectorCred -websession $websession -config $ConnectorConfig -connector $connector -username "domainfirst.last" -password "Test123

REMARKS To see the examples, type: "get-help Set-ALConnectorCred -examples". For more information, type: "get-help Set-ALConnectorCred -detailed". For technical information, type: "get-help Set-ALConnectorCred -full".

CHAPTER 73

set-aldirectory

NAME set-aldirectory

SYNOPSIS Sets properties of an existing Directory Junction

SYNTAX set-aldirectory [-websession] <Object> [-id] <Object> [[-name] <String>] [[-serveraddress] <String>] [[-port] <String>] [[-usessl] <String>] [[-username] <String>] [-adpassword] <String> [-force] [-WhatIf] [-Confirm] [<CommonParameters>]

DESCRIPTION Sets properties of an existing Directory Junction

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-id <Object> Junction ID

-name <String> Junction name

-serveraddress <String> AD server to connect

-port <String> AD port (uses 389 and 636 by default)

-usessl <String> Connect via SSL

-username <String> AD username (eg admin@domain.com)

-adpassword <String> AD password

-force [<SwitchParameter>] Skip AD tests

-WhatIf [<SwitchParameter>]

-Confirm [<SwitchParameter>]

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>Set-aldirectory -websession $websession -adpassword “MYPASSWORD” -id $directory.id

——————— EXAMPLE 2 ———————

PS C:>Set-aldirectory -websession $websession -adpassword “MYPASSWORD” -id $directory.id -name “MYNEWNAME”

REMARKS To see the examples, type: “get-help set-aldirectory -examples”. For more information, type: “get-help set-aldirectory -detailed”. For technical information, type: “get-help set-aldirectory -full”.

CHAPTER 74

Set-ALImage

NAME Set-ALImage

SYNOPSIS Edits values of a image(template)

SYNTAX Set-ALImage [-websession] <Object> [-id] <String> [[-name] <String>] [[-description] <String>] [[-connectorid] <String>] [[-osrevid] <String>] [[-platrevid] <String>] [[-applayerid] <Array>] [[-apprevid] <Array>] [[-ElasticLayerMode] <String>] [[-diskformat] <String>] [[-size] <String>] [[-icon] <String>] [[-syspreptype] <String>] [[-LayeredImageDiskFilename] <String>] [-WhatIf] [-Confirm] [<CommonParameters>]

DESCRIPTION Edits values of a image(template)

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-id <String> ID of image

-name <String> Name of the image

-description <String> Description of the image

-connectorid <String> ID of Connector to use

-osrevid <String> Operating system layer version ID

-platrevid <String> Platform layer version ID

-applayerid <Array> Application layer ID

-apprevid <Array> Application layer version ID

-ElasticLayerMode <String> Elastic Layer setting for the image. Options "None","Session","Office365","SessionOffice365","Desktop"

-diskformat <String> Disk format of the image

-size <String> Size of layer in MB

-icon <String> Icon ID

-syspreptype <String> Syspreptype for the Image. Options "None","Offline"

-LayeredImageDiskFilename <String>

-WhatIf [<SwitchParameter>]

-Confirm [<SwitchParameter>]

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>$fileshare = Get-ALRemoteshare -websession $websession

$connector = Get-ALconnector -websession $websession -type Create|where{$_.name -eq "MYvCenter"} $oss = Get-ALOsLayer -websession $websession|where{$_.name -eq "Windows 10 x64"} $osrevs = get-aloslayerdetail -websession $websession -id $oss.id $osrevid = $osrevs.Revisions.OsLayerRevisionDetail|where{$_.state -eq "Deployable"}|Sort-Object revision -Descending|select -First 1 $plats = Get-ALPlatformlayer -websession $websession|where{$_.name -eq "Windows 10 VDA"} $platrevs = get-alplatformlayerdetail -websession $websession -id $plats.id $platformrevid = $platrevs.Revisions.PlatformLayerRevisionDetail|where{$_.state -eq "Deployable"}|Sort-Object revision -Descending|select -First 1 $image = Get-ALImage -websession $websession|where{$_.name -eq "Windows 10 Accounting"} Set-alimage -websession $websession -name $images.Name -description "My new description" -connectorid $connector.id -osrevid $osrevid.Id -platrevid $platformrevid.id -id $image.Id -ElasticLayerMode Session -diskformat $connector.ValidDiskFormats.DiskFormat -syspreptype Offline

Edit image with latest revision for a specific app or apps *** $apps = @("Winscp","7-zip") $applayerids = foreach ($app in $apps){Get-ALapplayer -websession $websession|where{$_.name -eq $app}} $apprevs = foreach ($applayerid in $applayerids){get-alapplayerDetail -websession $websession -id $applayerid.Id} $apprevid = foreach ($apprev in $apprevs){$apprev.Revisions.AppLayerRevisionDetail|where{$_.state -eq "Deployable"}|Sort-Object DisplayedVersion -Descending|select -First 1} Set-alimage -websession $websession -name $images.Name -description "My new description" -connectorid $connector.id -osrevid $osrevid.Id -platrevid $platformrevid.id -id $image.Id -ElasticLayerMode Session -diskformat $connector.ValidDiskFormats.DiskFormat -applayerid $apprevid.LayerId -apprevid $apprevid.Id -syspreptype Offline

REMARKS To see the examples, type: "get-help Set-ALImage -examples". For more information, type: "get-help Set-ALImage -detailed". For technical information, type: "get-help Set-ALImage -full".

CHAPTER 75

Set-ALPlatformlayer

NAME Set-ALPlatformlayer

SYNOPSIS Edits values of an platform layer

SYNTAX Set-ALPlatformlayer [-websession] <Object> [-id] <String> [[-name] <String>] [[-description] <String>] [[-scriptpath] <String>] [[-icon] <String>] [-WhatIf] [-Confirm] [<CommonParameters>]

DESCRIPTION Edits values of an platform layer

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-id <String> ID of the platformlayer to edit

-name <String> Name of the platform layer

-description <String> Description of the layer

-scriptpath <String> Path of script to be run

-icon <String> Icon ID

-WhatIf [<SwitchParameter>]

-Confirm [<SwitchParameter>]

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>$platform = Get-ALplatformlayer -websession $websession|where{$_.name -eq "XenDesktop"}

Set-ALPlatformlayer -websession $websession -name "XenDesktop" -description "Xendesktop-Layer" -id $platform.Id -scriptpath "C:NeededScript.ps1"

REMARKS To see the examples, type: "get-help Set-ALPlatformlayer -examples". For more information, type: "get-help Set-ALPlatformlayer -detailed". For technical information, type: "get-help Set-ALPlatformlayer -full".

CHAPTER 76

Set-alVcenterConnector

NAME Set-alVcenterConnector

SYNOPSIS Sets Vcenter Connector configuration

SYNTAX Set-alVcenterConnector [-websession] <Object> [-config] <Object> [-force] [-WhatIf] [-Confirm] [<CommonParameters>]

DESCRIPTION Sets Vcenter Connector configuration

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-config <Object> Connector Config

-force [<SwitchParameter>] Skip Verify

-WhatIf [<SwitchParameter>]

-Confirm [<SwitchParameter>]

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>Set-VcenterConnector -websession $websession -config $connectorconfig

REMARKS To see the examples, type: "get-help Set-alVcenterConnector -examples". For more information, type: "get-help Set-alVcenterConnector -detailed". For technical information, type: "get-help Set-alVcenterConnector -full".

Commands

This page contains details on **** commands.

CHAPTER 77

Stop-ALWorkTicket

NAME Stop-ALWorkTicket

SYNOPSIS Stops or cancels a running layer operation process

SYNTAX Stop-ALWorkTicket [-websession] <Object> [-id] <String> [-WhatIf] [-Confirm] [<CommonParameters>]

DESCRIPTION Stops or cancels a running layer operation process

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-id <String>

-WhatIf [<SwitchParameter>]

-Confirm [<SwitchParameter>]

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

———————— EXAMPLE 1 ————————

PS C:>Stop-ALWorkTicket -websession $websession

REMARKS To see the examples, type: "get-help Stop-ALWorkTicket -examples". For more information, type: "get-help Stop-ALWorkTicket -detailed". For technical information, type: "get-help Stop-ALWorkTicket -full".

Commands

This page contains details on **** commands.

CHAPTER 78

test-aldirectory

NAME test-aldirectory

SYNOPSIS Test Directory Junction connectivity

SYNTAX test-aldirectory [-websession] <Object> [-serveraddress] <String> [[-port] <String>] [-usessl] [<CommonParameters>]

DESCRIPTION Test Directory Junction connectivity

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-serveraddress <String> AD server to connect

-port <String> AD port (uses 389 and 636 by default)

-usessl [<SwitchParameter>] Connect via SSL

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>test-aldirectory -websession $websession -serveraddress "mydc.domain.com" -Verbose

——————— EXAMPLE 2 ———————

PS C:>test-aldirectory -websession $websession -serveraddress "mydc.domain.com" -Verbose -usessl

REMARKS To see the examples, type: "get-help test-aldirectory -examples". For more information, type: "get-help test-aldirectory -detailed". For technical information, type: "get-help test-aldirectory -full".

CHAPTER 79

test-aldirectoryauth

NAME test-aldirectoryauth

SYNOPSIS Test Directory Junction authentication

SYNTAX test-aldirectoryauth [-websession] <Object> [-serveraddress] <String> [[-port] <String>] [-usessl] [-username] <String> [-adpassword] <String> [<CommonParameters>]

DESCRIPTION Test Directory Junction authentication

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-serveraddress <String> AD server to connect

-port <String> AD port (uses 389 and 636 by default)

-usessl [<SwitchParameter>] Connect via SSL

-username <String> AD username (eg admin@domain.com)

-adpassword <String> AD password

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>test-aldirectoryauth -websession $websession -serveraddress "mydc.domain.com" -Verbose -username "admin@domain.com" -adpassword "MYPASSWORD"

——————— EXAMPLE 2 ———————

PS C:>test-aldirectoryauth -websession $websession -serveraddress "mydc.domain.com" -Verbose -usessl -username "admin@domain.com" -adpassword "MYPASSWORD"

REMARKS To see the examples, type: "get-help test-aldirectoryauth -examples". For more information, type: "get-help test-aldirectoryauth -detailed". For technical information, type: "get-help test-aldirectoryauth -full".

CHAPTER 80

test-aldirectorydn

NAME test-aldirectorydn

SYNOPSIS Test Directory Junction DN path

SYNTAX test-aldirectorydn [-websession] <Object> [-serveraddress] <String> [[-port] <String>] [-usessl] [-username] <String> [-adpassword] <String> [-basedn] <String> [<CommonParameters>]

DESCRIPTION Test Directory Junction DN path

PARAMETERS

-websession <Object> Existing Webrequest session for ELM Appliance

-serveraddress <String> AD server to connect

-port <String> AD port (uses 389 and 636 by default)

-usessl [<SwitchParameter>] Connect via SSL

-username <String> AD username (eg admin@domain.com)

-adpassword <String> AD password

-basedn <String> Base AD DN

<CommonParameters> This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (http://go.microsoft.com/fwlink/?LinkID=113216).

——————— EXAMPLE 1 ———————

PS C:>test-aldirectorydn -websession $websession -serveraddress "mydc.domain.com" -Verbose -username "admin@domain.com" -adpassword "MYPASSWORD" -basedn DC=domain,DC=com

——————— EXAMPLE 2 ———————

PS C:>test-aldirectorydn -websession $websession -serveraddress "mydc.domain.com" -Verbose -usessl -username "admin@domain.com" -adpassword "MYPASSWORD" -basedn DC=domain,DC=com

REMARKS To see the examples, type: "get-help test-aldirectorydn -examples". For more information, type: "get-help test-aldirectorydn -detailed". For technical information, type: "get-help test-aldirectorydn -full".

CHAPTER 81

Application Assignments

81.1 Add app layers to an image

```
$image = Get-ALimage -websession $websession|where{$_.name -eq "Accounting"}
$app = Get-ALapplayer -websession $websession|where{$_.name -eq "Libre Office"}
$apprevs = get-alapplayerDetail -websession $websession -id $app.Id
$apprevid = $apprevs.Revisions.AppLayerRevisionDetail|where{$_.state -eq "Deployable"}
↪|Sort-Object DisplayedVersion -Descending|select -First 1
add-alappassignment -websession $websession -apprevid $apprevid.id -imageid $image.id
```

81.2 Remove app layers from an image

```
$image = Get-ALimage -websession $websession|where{$_.name -eq "Accounting"}
$app = Get-ALapplayer -websession $websession|where{$_.name -eq "Libre Office"}
$apprevs = Get-ALapplayerDetail -websession $websession -id $app.Id
$apprevid = $apprevs.Revisions.AppLayerRevisionDetail|where{$_.state -eq "Deployable"}
↪|Sort-Object DisplayedVersion -Descending|select -First 1
remove-alappassignment -websession $websession -applayerid $apprevid.LayerId -imageid
↪$image.id
```

81.3 Add user\group to Elastic Layers

```
$users = @('MyGroup1','MyGroup2','Domain Users')
$finduser = $users|get-alldapobject -websession $websession
$app = Get-ALapplayer -websession $websession|where{$_.name -eq "Libre Office"}
$apprevs = Get-ALapplayerDetail -websession $websession -id $app.Id
$apprevid = $apprevs.Revisions.AppLayerRevisionDetail|where{$_.state -eq "Deployable"}
↪|Sort-Object DisplayedVersion -Descending|select -First 1
$add = $finduser|add-alelappassignment -websession $websession -apprevid $apprevid.Id
```

81.4 Remove user\group from Elastic Layers

```
$users = @('MyGroup1','MyGroup2','Domain Users')
$finduser = $users|get-alldapobject -websession $websession
$app = Get-ALapplayer -websession $websession|where{$_.name -eq "Libre Office"}
$apprevs = Get-ALapplayerDetail -websession $websession -id $app.Id
$apprevid = $apprevs.Revisions.AppLayerRevisionDetail|where{$_.state -eq "Deployable"}
↪|Sort-Object DisplayedVersion -Descending|select -First 1
$finduser|remove-alelappassignment -websession $websession -apprevid $apprevid.Id
```

CHAPTER 82

Application Layers

82.1 New Application Layer

```
$connector = Get-ALconnector -websession $websession -type Create|where{$_.name -eq
↪"MYvCenter"}
$fileshare = Get-ALRemoteshare -websession $websession
$oss = Get-ALOsLayer -websession $websession|where{$_.name -eq "Windows 10 x64"}
$osrevs = get-aloslayerDetail -websession $websession -id $oss.id
$osrevid = $osrevs.Revisions.OsLayerRevisionDetail|where{$_.state -eq "Deployable"}
↪|Sort-Object DisplayedVersion -Descending|select -First 1
new-alapplayer -websession $websession -version "1.0" -name "Accounting APP" -
↪description "Accounting application" -connectorid $connector.id -osrevid $osrevid.
↪Id -diskformat $connector.ValidDiskFormats.DiskFormat -OsLayerSwitching␣
↪BoundToOsLayer -fileshareid $fileshare.id
```

82.2 New Application Layer Version

```
$fileshare = Get-ALRemoteshare -websession $websession
$connector = Get-ALconnector -websession $websession -type Create|where{$_.name -eq
↪"MYvCenter"}
$app = Get-ALapplayer -websession $websession|where{$_.name -eq "7-Zip"}
$oss = Get-ALOsLayer -websession $websession
$osrevs = get-aloslayerdetail -websession $websession -id $app.AssociatedOsLayerId
$osrevid = $osrevs.Revisions.OsLayerRevisionDetail|where{$_.state -eq "Deployable"}
↪|Sort-Object DisplayedVersion -Descending|select -First 1
$apprevs = get-alapplayerDetail -websession $websession -id $app.Id
$apprevid = $apprevs.Revisions.AppLayerRevisionDetail|where{$_.state -eq "Deployable"}
↪|Sort-Object DisplayedVersion -Descending|select -First 1
new-alapplayerrev -websession $websession -version "9.0" -name $app.Name -connectorid
↪$connector.id -appid $app.Id -apprevid $apprevid.id -osrevid $osrevid.Id -
↪diskformat $connector.ValidDiskFormats.DiskFormat -fileshareid $fileshare.id
```

82.3 Set Application Layer

```
$app = Get-ALapplayer -websession $websession|where{$_.name -eq "7-Zip"}
Set-alapplayer -websession $websession -name "7-Zip" -description "7-zip" -id $app.Id␣
↪-scriptpath "C:\NeededScript.ps1" -OsLayerSwitching BoundToOsLayer
```

82.4 Remove Application Layer Revision

```
$fileshare = Get-ALRemoteshare -websession $websession
$appid = Get-ALapplayer -websession $websession | where{$_.name -eq "7-Zip"}
$apprevid = get-alapplayerDetail -websession $websession -id $appid.Id
$apprevid = $apprevid.Revisions.AppLayerRevisionDetail | where{$_.candelete -eq $true}
↪ | Sort-Object DisplayedVersion -Descending | select -First 1
remove-alapplayerrev -websession $websession -appid $appid.Id -apprevid $apprevid.id -
↪fileshareid $fileshare.id
```

CHAPTER 83

Connect and Disconnect

83.1 Connect

```
$aplip = "192.168.1.5"
$pass = "Password"
$username = "administrator"
$SecurePassword = ConvertTo-SecureString $Pass -AsPlainText -Force
$Credential = New-Object System.Management.Automation.PSCredential ($Username,
↪$SecurePassword)
$websession = Connect-alsession -aplip $aplip -Credential $Credential -Verbose
```

83.2 Disconnect

```
disconnect-alsession -websession $websession
```

CHAPTER 84

Connectors

84.1 General

84.1.1 Get Connector Detail

```
$conn = get-alconnector -websession $websession -type Publish -name "MyconnectorTest7"
get-alconnectordetail -websession $websession -connid $conn.Id -port $conn.
↪ConfigurationSslPort
```

84.1.2 Remove Connector

```
$conn = get-alconnector -websession $websession -type Publish -name "MyconnectorTest7"
Remove-ALConnector -websession $websession -connid $conn.Id -Confirm:$false
```

84.1.3 Set Connector Credentials

```
$conn = get-alconnector -websession $websession -type Publish -name "MyconnectorTest7"
$conndetail = get-alconnectordetail -websession $websession -connid $conn.Id -port
↪$conn.ConfigurationSslPort
Set-ALconnectorCred -websession $websession -config $conndetail -connector $conn -
↪username "domain\first.last" -password "Test123
```

84.2 vCenter

84.2.1 Get vCenter connector(s) information

```
Get-alVcenterConnector -websession $websession
```

84.2.2 Get vCenter Resource Info

```
$vcenter = Get-alVcenterConnector -websession $websession
$dc = get-alvcenterobject -websession $websession -configid $vcenter.pccId -username
↪$vcenter.pccConfig.userName -vcenter $vcenter.pccConfig.vCenterServer -type␣
↪datacenter -configid $vcenter.pccId
$folder
$hostvar = get-alvcenterobject -websession $websession -configid $vcenter.pccId -
↪username $vcenter.pccConfig.userName -vcenter $vcenter.pccConfig.vCenterServer -
↪type Host -dc $dc.value
$datastore = get-alvcenterobject -websession $websession -configid $vcenter.pccId -
↪username $vcenter.pccConfig.userName -vcenter $vcenter.pccConfig.vCenterServer -
↪type Datastore -dc $dc.value
$network = get-alvcenterobject -websession $websession -configid $vcenter.pccId -
↪username $vcenter.pccConfig.userName -vcenter $vcenter.pccConfig.vCenterServer -
↪type network -dc $dc.value
$template = get-alvcenterobject -websession $websession -configid $vcenter.pccId -
↪username $vcenter.pccConfig.userName -vcenter $vcenter.pccConfig.vCenterServer -
↪type vmTemplate -vmfolder $dc.vmFolder
$folder = get-alvcenterobject -websession $websession -configid $vcenter.pccId -
↪username $vcenter.pccConfig.userName -vcenter $vcenter.pccConfig.vCenterServer -
↪type vmfolder -vmfolder $dc.vmFolder
```

84.2.3 Validate and Set vCenter Password

```
$vcenter = Get-alVcenterConnector -websession $websession
$vcenter.pccConfig|Add-Member -NotePropertyName "password" -NotePropertyValue
↪"mysecretpassword"

Set-alVcenterConnector -websession $websession -config $vcenter
```

84.2.4 Create vCenter Connector

```
$vcenterpassword = "mysupersecretpassword"
$usernamevc = "domain\username"
$vcentername = "myvcenter.domain.local"
$type = get-alconnectortype -websession $websession -name "Citrix MCS for vSphere"
$dc = get-alvcenterobject -websession $websession -username $usernamevc -vcenter
↪$vcentername -vcenterpass $vcenterpassword -type Datacenter -name "Lab"
$hostvar = get-alvcenterobject -websession $websession -username $usernamevc -vcenter
↪$vcentername -vcenterpass $vcenterpassword -type Host -dc $dc.value -name
↪"myhostname"
$datastore = get-alvcenterobject -websession $websession -username $usernamevc -
↪vcenter $vcentername -vcenterpass $vcenterpassword -type Datastore -dc $dc.value -
↪name "nydatastire"
```

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```
$network = get-alvcenterobject -websession $websession -username $usernamevc -vcenter
↪$vcentername -vcenterpass $vcenterpassword -type network -dc $dc.value -name "VLAN10
↪"
$template = get-alvcenterobject -websession $websession -username $usernamevc -
↪vcenter $vcentername -vcenterpass $vcenterpassword -type vmTemplate -vmfolder $dc.
↪vmFolder -name "CALTEMP"
$folder = get-alvcenterobject -websession $websession -username $usernamevc -vcenter
↪$vcentername -vcenterpass $vcenterpassword -type vmfolder -vmfolder $dc.vmFolder -
↪name "Unidesk"


$Params = @{
  Name = "MyconnectorTest"
  DC = $dc
  DATASTORE = $datastore
  HOSTSYSTEM = $hostvar
  NETWORK = $network
  FOLDER = $folder
  CONNID = $type.Id
  VMTEMPLATE = $template
  CACHESIZE = "250"
}

new-AlVcenterConnector -websession $websession -username $usernamevc -vcenter
↪$vcentername -vcenterpass $vcenterpassword @params
```

CHAPTER 85

Directory Junction

85.1 New Directory Junction

```
new-aldirectory -websession $websession -serveraddress "mydc.domain.com" -usessl -
↪username "admin@domain.com" -adpassword "MYPASSWORD" -basedn DC=domain,DC=com -name
↪"Mydirectory"
```

85.2 Get ALL Directory Junctions

```
Get-ALDirectory -websession $websession
```

85.3 Get Directory Junction Info

```
get-aldirectorydetail -websession $websession -id $directory.id
```

85.4 Set Directory Junction Info

```
Set-aldirectory -websession $websession -adpassword "MYPASSWORD" -id $directory.id -
↪name "MYNEWNAME"
```

85.5 Delete Directory Junction

```
Remove-ALDirectory -websession $websession -id "4915204"
```

85.6 User Info

```
$dir = Get-ALDirectory -websession $websession|where{$_.name -eq "MyDirectory"}
$userid = Get-ALUserList -websession $websession -junctionid $dir.id -dn "CN=Users,
↪DC=mydomain,DC=com"|Where-Object {$_.loginname -eq "myusername"}
$userdetail = Get-ALUserDetail -websession $websession -junctionid $dir.id -ldapguid
↪$userid.DirectoryId.LdapGuid -dn $userid.DirectoryId.LdapDN -id $userid.DirectoryId.
↪UnideskId
$groups = Get-ALUserGroupMembership -websession $websession -junctionid $dir.id -id
↪$User.DirectoryId.UnideskId -ldapguid $user.FullId.LdapGuid -ldapdn $user.FullId.
↪LdapDN -sid $userdetail.FullId.sid
#build group array for search
$groupids = @()
$groups|%{$groupids += $_.DirectoryId.UnideskId}
#add user to group array
$groupids += $User.DirectoryId.UnideskId
$apps = Get-ALUserAssignment -websession $websession -id $userid.DirectoryId.
↪UnideskId -Verbose
$apps|Select-Object LayerName,CurrentRevision,PendingRevision,AssignedViaDisplayName
```

CHAPTER 86

Export and Import Layers

Gets "Exportable" Layers

```
$mypath = "\\mynas\layershare\"
Get-ALExportableRev -websession $websession -sharepath $mypath
```

Gets "Exportable" layers including ones that are already present

```
$mypath = "\\mynas\layershare\"
Get-ALExportableRev -websession $websession -sharepath $mypath -showall
```

Gets "Importable" Layers

```
$mypath = "\\mynas\layershare\"
Get-ALimportableRev -websession $websession -sharepath $mypath
```

Gets "Importable" layers including ones that are already present

```
$mypath = "\\mynas\layershare\"
Get-ALimportableRev -websession $websession -sharepath $mypath -showall
```

86.1 Export Layers

Exports all "exportable" layers to fileshare

```
$mypath = "\\mynas\layershare\"
Get-ALExportableRev -websession $websession -sharepath $mypath|Export-ALlayerrev -
↪websession $websession -sharepath $mypath
```

Exports all "exportable" layers to fileshare with authenication. (Press CTRL key to select more than one layer)

```
$mypath = "\\mynas\layershare\"
$myusername = "mydomain@domain.com"
$sharepw = "mysupersecret"
Get-ALExportableRev -websession $websession -sharepath $mypath -username $myusername -
↪sharepw $sharepw|Export-ALlayerrev -websession $websession -sharepath $mypath -
↪username $myusername -sharepw $sharepw
```

Allows user to select which layers to export. (Press CTRL key to select more than one layer)

```
$mypath = "\\mynas\layershare\"
Get-ALExportableRev -websession $websession -sharepath $mypath|Out-gridview -
↪PassThru|Export-ALlayerrev -websession $websession -sharepath $mypath
```

86.2 Import Layers

Imports all "importable" layers to fileshare

```
$mypath = "\\mynas\layershare\"
Get-ALImportableRev -websession $websession -sharepath $mypath|Import-ALlayerrev -
↪websession $websession -sharepath $mypath
```

Imports all "importable" layers to fileshare with authenication. (Press CTRL key to select more than one layer)

```
$mypath = "\\mynas\layershare\"
$myusername = "mydomain@domain.com"
$sharepw = "mysupersecret"
Get-ALImportableRev -websession $websession -sharepath $mypath -username $myusername -
↪sharepw $sharepw|Import-ALlayerrev -websession $websession -sharepath $mypath -
↪username $myusername -sharepw $sharepw
```

Allows user to select which layers to import. (Press CTRL key to select more than one layer)

```
$mypath = "\\mynas\layershare\"
Get-ALImportableRev -websession $websession -sharepath $mypath|Out-gridview -
↪PassThru|Import-ALlayerrev -websession $websession -sharepath $mypath
```

CHAPTER 87

Icons

87.1 Get icon ids

```
Get-ALicon -websession $websession
```

87.2 Export all icons (save as png)

```
$icons = Get-ALicon -websession $websession

foreach($icon in $icons)
{
    #No authentication needed to grab image
    Invoke-WebRequest -uri $($icon.url) -OutFile ("D:\Temp\icons\" + $($icon.iconid)+
↪".png")
}
```

87.3 Get icon associations

```
Get-ALiconassoc -websession $websession -iconid "196608"
```

87.4 Create new icon

```
$iconfile = "D:\Temp\icons\myiconpic.png"
$temp = new-alicon -WebSession $websession -iconfile $iconfile -Verbose
```

87.5 Remove icon

```
Remove-ALicon -websession $websession -iconid "4259840"
```

CHAPTER 88

Images

88.1 Get Image Composition

```
$image = Get-ALImageComp -websession $websession -name "Windows 10 Accounting"
$image.OSLayer
$image.PlatformLayer
$image.AppLayer
```

88.2 Create New Image

```
$fileshare = Get-ALRemoteshare -websession $websession
$connector = Get-ALconnector -websession $websession -type Create|where{$_.name -eq
↪"MYvCenter"}
$oss = Get-ALOsLayer -websession $websession|where{$_.name -eq "Windows 10 x64"}
$osrevs = get-aloslayerDetail -websession $websession -id $oss.id
$osrevid = $osrevs.Revisions.OsLayerRevisionDetail|where{$_.state -eq "Deployable"}
↪|Sort-Object DisplayedVersion -Descending|select -First 1
$plats = get-alplatformlayer -websession $websession|where{$_.name -eq "Windows 10 VDA
↪"}
$platrevs = get-alplatformlayerdetail -websession $websession -id $plats.id
$platformrevid = $platrevs.Revisions.PlatformLayerRevisionDetail|where{$_.state -eq
↪"Deployable"}|Sort-Object DisplayedVersion -Descending|select -First 1
#Application IDs
$apps = @("Winscp","7-zip")
$appids = @()
foreach ($app in $apps)
{
    $applayerid = Get-ALapplayer -websession $websession|where{$_.name -eq $app}
    $apprevs = get-alapplayerDetail -websession $websession -id $applayerid.Id
    $apprevid = $apprevs.Revisions.AppLayerRevisionDetail|where{$_.state -eq
↪"Deployable"}|Sort-Object DisplayedVersion -Descending|select -First 1
```

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```
    $appids += $apprevid.Id
}
new-alimage -websession $websession -name "Windows 10 Accounting" -description
↪"Accounting" -connectorid $connector.id -osrevid $osrevid.Id -appids $appids -
↪platrevid $platformrevid.id -diskformat $connector.ValidDiskFormats.DiskFormat -
↪ElasticLayerMode Session
```

88.3 Edit Image

```
$fileshare = Get-ALRemoteshare -websession $websession
$connector = Get-ALconnector -websession $websession -type Create|where{$_.name -eq
↪"MYvCenter"}
$oss = Get-ALOsLayer -websession $websession|where{$_.name -eq "Windows 10 x64"}
$osrevs = get-aloslayerdetail -websession $websession -id $oss.id
$osrevid = $osrevs.Revisions.OsLayerRevisionDetail|where{$_.state -eq "Deployable"}
↪|Sort-Object DisplayedVersion -Descending|select -First 1
$plats = Get-ALPlatformlayer -websession $websession|where{$_.name -eq "Windows 10 VDA
↪"}
$platrevs = get-alplatformlayerdetail -websession $websession -id $plats.id
$platformrevid = $platrevs.Revisions.PlatformLayerRevisionDetail|where{$_.state -eq
↪"Deployable"}|Sort-Object DisplayedVersion -Descending|select -First 1
$image = Get-ALimage -websession $websession|where{$_.name -eq "Windows 10 Accounting
↪"}
Set-alimage -websession $websession -name $images.Name -description "My new␣
↪description" -connectorid $connector.id -osrevid $osrevid.Id -platrevid
↪$platformrevid.id -id $image.Id -ElasticLayerMode Session -diskformat $connector.
↪ValidDiskFormats.DiskFormat
```

88.3.1 Edit image with latest revision for a specific app or apps

```
$apps = @("Winscp","7-zip")
$applayerids = foreach ($app in $apps){Get-ALapplayer -websession $websession|where{$_
↪.name -eq $app}}
$apprevs = foreach ($applayerid in $applayerids){get-alapplayerDetail -websession
↪$websession -id $applayerid.Id}
$apprevid = foreach ($apprev in $apprevs){$apprev.Revisions.
↪AppLayerRevisionDetail|where{$_.state -eq "Deployable"}|Sort-Object␣
↪DisplayedVersion -Descending|select -First 1}
Set-alimage -websession $websession -name $images.Name -description "My new␣
↪description" -connectorid $connector.id -osrevid $osrevid.Id -platrevid
↪$platformrevid.id -id $image.Id -ElasticLayerMode Session -diskformat $connector.
↪ValidDiskFormats.DiskFormat -applayerid $apprevid.LayerId -apprevid $apprevid.Id
```

88.4 Remove Image

```
$image = Get-ALimage -websession $websession|where{$_.name -eq "Windows 10 Accounting
↪"}
Remove-ALImage -websession $websession -imageid $image.id
```

88.5 Publish Image

```
$image = Get-ALimage -websession $websession|where{$_.name -eq "Windows 10 Accounting
↪"}
invoke-alpublish -websession $websession -imageid $image.id
```

88.6 Clone Image

```
$image = Get-ALimage -websession $websession | where {$_.name -eq "Windows 10␣
↪Accounting"}
New-ALImageClone -websession $websession -imageid $image.Id -Confirm:$false -
↪OutVariable ALImageClone
```

CHAPTER 89

Local Users

89.1 Get Local Users

```
Get-ALLocalUser -websession $websession
```

89.2 Set Local Admin Password

```
Set-ALAdminUser -websession $websession -Password $PlainPassword -Verbose
```

CHAPTER 90

Operating System Layers

90.1 Import Operating System

90.1.1 vCenter

```
$fileshare = Get-ALRemoteshare -websession $websession
$connector = Get-ALconnector -websession $websession -type Create|where{$_.name -eq
↪"MYvCenter"}
$shares = get-alremoteshare -websession $websession
#vCenter Command
$vm = Get-VM "Windows2016VM"
$vmid = $vm.Id -replace "VirtualMachine-",""
$response = import-aloslayer -websession $websession -vmname $vm.name -connectorid
↪$connector.id -shareid $fileshare.id -name "Windows 2016" -version "1.0" -vmid
↪$vmid -hypervisor esxi
```

90.1.2 Citrix Hypervisor (XenServer)

Thanks Dan Feller!

```
$fileshare = Get-ALRemoteshare -websession $websession
$connector = Get-ALconnector -websession $websession -type Create|where{$_.name -eq
↪"MYXenServer"}
$shares = get-alremoteshare -websession $websession
#Xen Command
$XenVM = get-xenvm -name $VMName
$response = import-aloslayer -websession $websession -vmname $vmname -connectorid
↪$connector.id -shareid $fileshare.id -name "Windows 2016" -version "1.0" -vmid
↪$XenVM.uuid -hypervisor xenserver
```

90.2 New Operating System Layer Version

```
$fileshare = Get-ALRemoteshare -websession $websession
$connector = Get-ALconnector -websession $websession -type Create|where{$_.name -eq
↪"MYvCenter"}
$oss = Get-ALOsLayer -websession $websession|where{$_.name -eq "Windows 2016 Standard
↪"}
$osrevs = get-aloslayerDetail -websession $websession -id $oss.id
$osrevid = $osrevs.Revisions.OsLayerRevisionDetail|where{$_.state -eq "Deployable"}
↪|Sort-Object DisplayedVersion -Descending|select -First 1
$myosrev = new-aloslayerrev -websession $websession -version "2.0" -connectorid
↪$connector.Id -osid $oss.id -osrevid $osrevid.id -diskformat $connector.
↪ValidDiskFormats.DiskFormat -shareid $fileshare.id

#Keep checking for change in task
do{
$status = get-alstatus -websession $websession -id $myosrev.WorkTicketId
Start-Sleep -Seconds 5
} Until ($status.state -eq "ActionRequired")
#use function to extract VM NAME from status message
get-alvmname -message $status.WorkItems.WorkItemResult.Status
```

90.3 Remove Operating System Layer Revision

```
$fileshare = Get-ALRemoteshare -websession $websession
$osid = Get-ALOSlayer -websession $websession | where{$_.name -eq "Windows 10 x64"}
$osrevid = Get-ALOSlayerDetail -websession $websession -id $osid.Id
$osrevid = $osrevid.Revisions.OSLayerRevisionDetail | where{$_.candelete -eq $true} |␣
↪Sort-Object DisplayedVersion -Descending | select -Last 1
remove-aloslayerrev -websession $websession -osid $osid.Id -osrevid $osrevid.id -
↪fileshareid $fileshare.id
```

CHAPTER 91

Platform Layers

91.1 New Platform Layer

```
$fileshare = Get-ALRemoteshare -websession $websession
$connector = Get-ALconnector -websession $websession -type Create|where{$_.name -eq
↪"MYvCenter"}
$oss = Get-ALOsLayer -websession $websession|where{$_.name -eq "Windows 2016 Standard
↪"}
$osrevs = get-aloslayerdetail -websession $websession -id $oss.id
$osrevid = $osrevs.Revisions.OsLayerRevisionDetail|where{$_.state -eq "Deployable"}
↪|Sort-Object DisplayedVersion -Descending|select -First 1
New-ALPlatformLayer -websession $websession -osrevid $osrevid.Id -name "Citrix XA VDA␣
↪7.18" -connectorid $connector.id -shareid $fileshare.id -diskformat $connector.
↪ValidDiskFormats.DiskFormat -type Create
```

91.2 New Platform Layer Version

```
$fileshare = Get-ALRemoteshare -websession $websession
$connector = Get-ALconnector -websession $websession -type Create|where{$_.name -eq
↪"MYvCenter"}
$oss = Get-ALOsLayer -websession $websession|where{$_.name -eq "Windows 10 x64"}
$osrevs = get-aloslayerdetail -websession $websession -id $oss.id
$osrevid = $osrevs.Revisions.OsLayerRevisionDetail|where{$_.state -eq "Deployable"}
↪|Sort-Object DisplayedVersion -Descending|select -First 1
$plats = Get-ALPlatformlayer -websession $websession|where{$_.name -eq "Windows 10 VDA
↪"}
$platrevs = get-alplatformlayerDetail -websession $websession -id $plats.id
$platformrevid = $platrevs.Revisions.PlatformLayerRevisionDetail|where{$_.state -eq
↪"Deployable"}|Sort-Object DisplayedVersion -Descending|select -First 1

$params = @{
```

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```
websession = $websession;
osrevid = $osrevid.Id;
connectorid =  $connector.Id;
shareid = $fileshare.id;
layerid = $plats.Id;
layerrevid = $platformrevid.id;
version = "5.0";
Diskname = $plats.Name;
Verbose = $true;
Description = "Citrix VDA 7.18 with windows 10";
diskformat = $connector.ValidDiskFormats.DiskFormat;
}

New-ALPlatformLayerRev @params
```

91.3 Remove Platform Layer Revision

```
$fileshare = Get-ALRemoteshare -websession $websession
$platformid = Get-ALPlatformlayer -websession $websession | where{$_.name -eq
↪"Windows 10 VDA"}
$platformrevid = Get-ALPlatformlayerDetail -websession $websession -id $platformid.Id
$platformrevid = $platformrevid.Revisions.PlatformLayerRevisionDetail | where{$_.
↪candelete -eq $true} | Sort-Object DisplayedVersion -Descending | select -First 1
remove-alplatformlayerrev -websession $websession -platformid $platformid.Id -
↪platformrevid $platformrevid.id -fileshareid $fileshare.id
```

CHAPTER 92

System Info

92.1 Get System Information (Version)

```
Get-ALSystemInfo -websession $websession
```

92.2 Get System Settings

```
get-alsystemsettinginfo -websession $websession|Select-Object -ExpandProperty value -
↪Property @{Name="SettingName"; Expression = {$_.Name}}
```

CHAPTER 93

Task Status

93.1 Get Task Status

Get all tasks

```
Get-ALStatus -websession $websession
```

Get specific task based on ID (accepts wildcard)

```
Get-ALStatus -id 123456 -websession $websession
```

93.2 Cancel Task

Locate ID of Task `Get-ALStatus -websession $websession`

```
Stop-ALWorkTicket -id 123456 -websession $websession
```