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Introduction

This Exchange Server cmdlets guide was created to help administrators manage Exchange server and users.

This is not a beginner guide to Exchange because of the advanced cmdlets that requires deep understanding of Exchange.

Notes

- When you see a script like this `.\move-transportdatabase.ps1` note that the script is located in the Exchange server installation script folder.
- When you Users.txt | note that this is a text file that contain the users that the cmdlet will run against when running the cmdlets you will need to run it from the location of the text file.

Server Commands

Get-exchangeserver – Get all Exchange servers in the organisation

Get-clientaccessserver – Get CAS server information

Recipients Commands

Get-mailbox name | FL – Get User mailbox information

Get-MailboxStatistics name |fl – Get mailbox size, item count and DB

Get-Mailbox |Get-MailboxStatistics | ft DisplayName, TotalItemSize, ItemCount >c:\allusersmbx.txt – Get all mailboxes size and total item report

get-content users.txt | Set-Mailbox - HiddenFromAddressListsEnabled \$true – Hide Multiple users from GAL

Set-Mailbox Level1 -Type shared – Convert user mailbox to shared mailbox

Set-TransportConfig -MaxRecipientEnvelopeLimit 1000 – Set Max recipient allowed sending to

get-mailboxstatistics "David King" -archive |fl - Get Archive Mailbox size

Mailbox Server

Get-Mailbox -Arbitration -Database "DB1" – Get list of all Arbitration mailboxes in the DB

Set-Mailbox user -UseDatabaseQuotaDefaults \$false - ProhibitSendReceiveQuota 1GB – Set Send Receive Quota

Get-Mailbox -Arbitration -Database "DB1" | New-MoveRequest -TargetDatabase "DB2" – Move all Arbitration mailboxes

Get-mailboxdatabase DB1 | Get-MailboxStatistics |%{\$_.TotalItemSize.Value.ToMB()} | Measure-Object -sum -average -max -min – Get Mailbox DB Site using cmdlet

Clean-MailboxDatabase DB1 – Refresh Mailbox database after deleting mailboxes

Get-MailboxDatabase | Add-ADPermission -User "Davidk" - AccessRights ExtendedRight -ExtendedRights Receive-As,Send-As – Give Full access permission to user over all mailboxes (good for admins and applications like BES)

Get-Content c:\users.txt |New-MoveRequest -TargetDatabase DB1 -BadItem 100 - Move bulk users

Distribution Lists

Get-DistributionGroup -ResultSize Unlimited | Set-DistributionGroup -ForceUpgrade -RequireSenderAuthenticationEnabled \$False - Upgrade all DLs to Exchange 2010

Auto Discovery

Get-AutodiscoverVirtualDirectory - Get Auto Discover information

set-WebServicesVirtualDirectory -Identity "ntweekly.com\EWS (Default Web Site)" -ExternalUrl <https://owa.ntweekly.com/ews/exchange.asmx> - set new Auto-Discover URL

Inter Org Connector between Exchange 2003 – 2010

New-RoutingGroupConnector -Name "Interop RGC" -SourceTransportServers "Ex2010 " -TargetTransportServers "Ex2003" -Cost 10 -Bidirectional \$true -PublicFolderReferralsEnabled \$true

DAG

Remove-DatabaseAvailabilityGroupServer -Identity DAG - MailboxServer EX2 -ConfigurationOnly - Force DAG Removal

Get-DatabaseAvailabilityGroup - Get DAG

Get-MailboxDatabaseCopyStatus - Get DAG DBs Copy status

Test-ReplicationHealth - Test DAG replication

Active Directory

Set-ADServerSettings -PreferredServer DC01 - Set Preferred AD server for Exchange to use

Transport Queue

.\move-transportdatabase.ps1 -queuedatabasepath E:\<new location> - queuedatabaseloggingpath E:<new location> - Move Transport Queue (Run script from Exchange server scripts directory)

Retry-Queue -Identity "<ServerName>\Unreachable" - Resubmit \$true - Retry \ Force mail Queue

CAS Array

New-clientaccessarray -fqdn casarray.amcor.net -site "ADC" - name mail2010.ntweekly.com - Create new CAS Array

Get-MailboxDatabase | Set-MailboxDatabase - RPCClientAccessServer "mail2010.ntweekly.com" - Set CAS Array on all DBs

Public Folders

get-mailpublicfolder "sales@ntweekly.com " | get-publicfolderstatistics |select AdminDisplayName, FolderPath - Find Mail enabled Public Folders

```
Set-PublicFolder -Identity '\sales' -Server 'ExchangeSRV1' -  
Replicas 'Public Folder Store 01','Public Folder Store 02' -  
Force Public folder replication
```

```
Get-PublicFolderStatistics -resultsize unlimited | ft  
Name,DatabaseName,TotalAssociatedItemSize  
,LastModificationTime > c:\PFreport.txt - Get all public folders  
name, Size and Last used date
```

```
.\AddUsersToPFRecursive.ps1 -TopPublicFolder "\sales" -User  
"David K" -Permission owner - Set Public Folder permissions
```

Offline Address Book (OAB)

```
Set-OABVirtualDirectory -identity "EX1\OAB (Default Web  
Site)" -externalurl https://mail.ntweekly.com/OAB -  
RequireSSL:$true - Change OAB Directory
```

```
Test-OutlookWebServices -ClientAccessServer "ex1" - test OAB
```

```
get-offlineaddressbook | update-offlineaddressbook - update  
OAB
```


Email Address Policy

```
Get-EmailAddressPolicy | where {$_.RecipientFilterType -eq "Legacy"}
```

```
Get-EmailAddressPolicy | where {$_.RecipientFilterType -eq "Legacy"} |
```

```
Set-EmailAddressPolicy -IncludedRecipients AllRecipients - Upgrade email address policy
```

Recovery

```
New-MailboxDatabase -Recovery -Name RDB -Server EX1 - EdbFilePath "C:\Recovery\RDB\RDB.EDB" -LogFolderPath "D:\Recovery\RDB"- Create Recovery Database
```

