



Video 6

Exchange Management Shell

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Where we're going



- Shell usage overview
- Getting help with syntax
- Modifying a mailbox with the shell
- Pipelining
- Modifying lots of mailboxes with the shell
- Other management cmdlets

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Shell Usage



- How does this thing work?
 - Includes the CMD environment...sort of
 - Aliases
 - Multiple commands per line
 - What's a cmdlet?
 - Cmdlets are not scripts, but programs that take input
 - Cmdlets add a great deal of compact power
- Demo: get-mailbox and set-mailbox

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Syntax Help



- **What commandlets are available and how do they work?**
 - Using Get-Excommand
 - Get-Help
 - Verbs: Get, Set, New, Remove, Move, Enable and Disable - (and more)
 - Objects: Mailbox, User, DistributionList, Database, etc.
 - Using -whatif
 - Outputting to a file

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Pipelining



- **Pipelining builds one-line scripts**
 - Use pipelines to process, specify or format output
 - Get-Excommand *mailbox* | Format-list name,definition
 - Get-Mailbox | fl name,*email*
 - Get-Mailbox | convertto-html name,WindowsEmail* | set-content c:\addresses.html

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Manage Mailboxes



- **Using the Shell to create or modify mailboxes**
 - Bare minimum to create a user and mailbox:
 - new-mailbox -database "mailbox database" -name dcho - UserPrincipalName dcho@3cg.local
 - Prompt for password
 - Modifying mailbox properties
 - Set-mailbox dshack -prohibitsendquota 5mb
 - Setting properties on multiple mailboxes
 - Get-User -organizationalunit "Brokers" | get-mailbox | set-mailbox -prohibitsendquota 5mb

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Management



- **Try these out**

- Test-ServiceHealth
- Get-MailboxStatistics
- Get-MailboxDatabase | format-list

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Wrap-up



- **Here's what we covered:**

- Powershell and CMD: same or different?
- Figuring out what to type
- Getting help with cmdlets
- Using pipelines
- Managing mailboxes
- Some server management cmdlets

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