

Exchange Online Administration

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Agenda

- The Tools
- RBAC in the Cloud
- Mailbox Provisioning Options
- License Management
- Cross Premises Administration
- Forefront Online Protection for Exchange

The Tools

Portal

Microsoft Online Services

Home Outlook Team Site Admin

One of your trial subscriptions expires in 322 days. [Purchase now](#)

Planet Technologies

Admin Overview

Setup

Overview

Custom Plan

Management

Users

Security Groups

Domains

Subscriptions

Manage

Licenses

Purchase

Support

Overview

Service Requests

Service Health

Planned

Outage

Start here tasks

1. Get an overview of Office 365. [Watch admin tour](#) | [Watch user tour](#)
2. [Add users](#).
3. View the [Setup overview](#) page.
4. Create a custom [pilot or deployment plan](#).
5. Check out the [Home](#) page for users in Office 365.

Admin shortcuts

- [Reset user passwords](#)
- [Add new users](#)
- [Assign user licenses](#)
- [Create a service request](#)

Microsoft Office 365

Exchange Online

Outlook settings and protection. [Manage](#)

Lync Online

Instant messaging with audio and video and online meetings. [Manage](#)

Resources

Managing Exchange Online

Email migration and coexistence

Managing domains

Setting up email on mobile phones

Release notes

Downloads

Community

Ask a question in the forums

Check out our blog

Participate in the community

Exchange Control Panel

Exchange Server 2010

Mail > Options: [Manage My Organization](#)

Users & Groups

Roles & Auditing

Mail Control

Phone & Voice

Mailboxes

Select view: All mailboxes

New... Import users... Details X

Search mailboxes

Display Name	Mailbox Type	E-Mail
Celina Baginski	User	cbagins
Conference Room	Room	ConfR
Dan Nelson	User (Archive)	DN

EMC

Microsoft Exchange

- Microsoft Exchange On-Premises
 - Organization Configuration
 - Server Configuration
 - Recipient Configuration
 - Toolbox
- Office 365
 - Organization Configuration
 - Mailbox
 - Client Access
 - Hub Transport
 - Unified Messaging
 - Recipient Configuration
 - Mailbox
 - Distribution Group
 - Mail Contact
 - Move Request
 - Toolbox

The Tools

Remote PowerShell

Administrator: Windows PowerShell

Windows PowerShell

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PS C:\Users\Mike> \$LiveCred = Get-Credential

cmdlet Get-Credential at command pipeline position 1

Supply values for the following parameters:

Credential

PS C:\Users\Mike> \$Session = New-PSSession -ConfigurationName Microsoft.Exchange -ConnectionUri https://ps.outlook.com/powershell/ -Credential \$LiveCred -Authentication Basic -AllowRedirection

WARNING: Your connection has been redirected to the following URI: "https://pod51009psh.outlook.com/PowerShell-LiveID?PSVersion=2.0 "

WARNING: Your connection has been redirected to the following URI: "https://ch1prd0402psh.outlook.com/PowerShell-LiveID?PSVersion=2.0 "

PS C:\Users\Mike> Import-PSSession \$Session

ModuleType	Name	ExportedCommands
Script	tmp_053bb568-584f-4b41...	<Set-RoleGroup, Set-RMSTrustedPublishingDomain, Disable-UMAutoAttendant,...

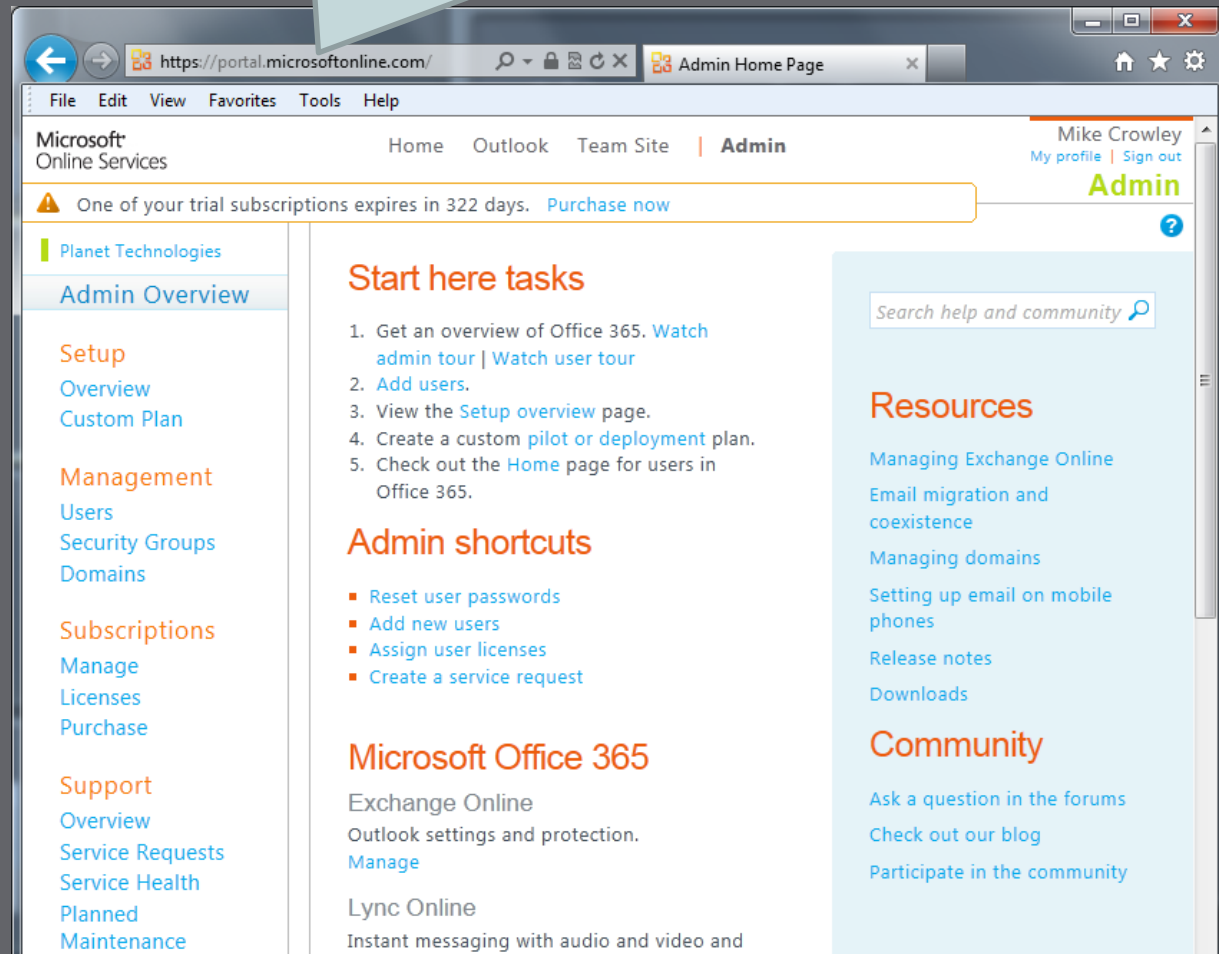
PS C:\Users\Mike>

Microsoft Online Portal

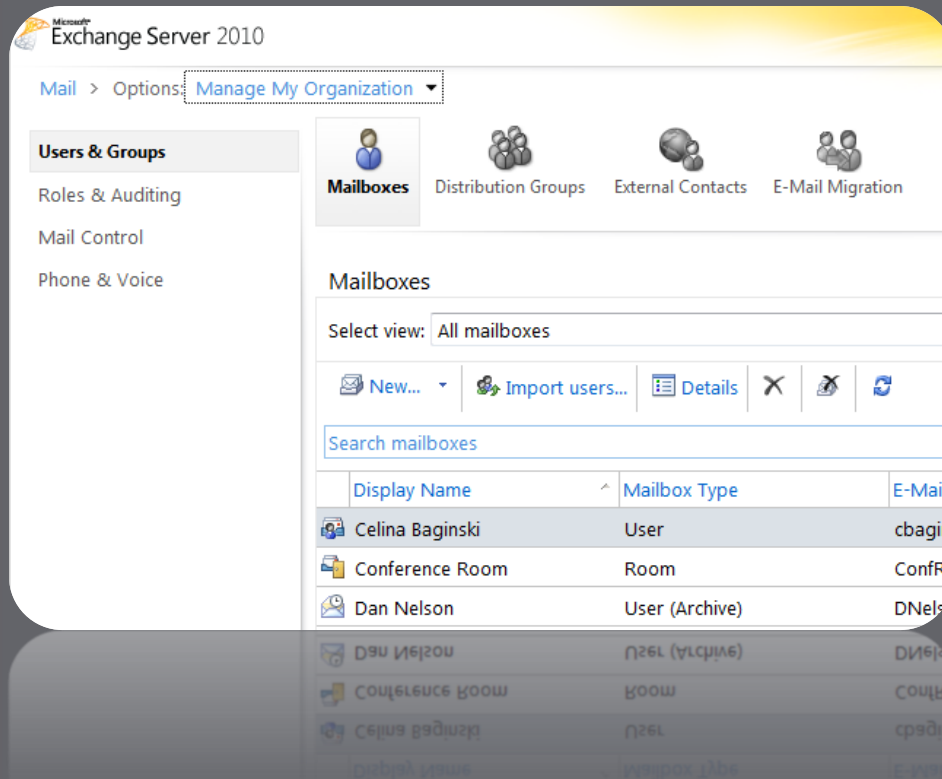
What can you do?

- Provision mailboxes
- Manage common user properties
- Create and manage service requests
- Domain management
- Password resets
- Billing and subscription
- License assignment
- SharePoint/Lync Administration

<https://portal.microsoftonline.com>



Exchange Control Panel



Primary Tool for Exchange Online Administration

Actions performed here:

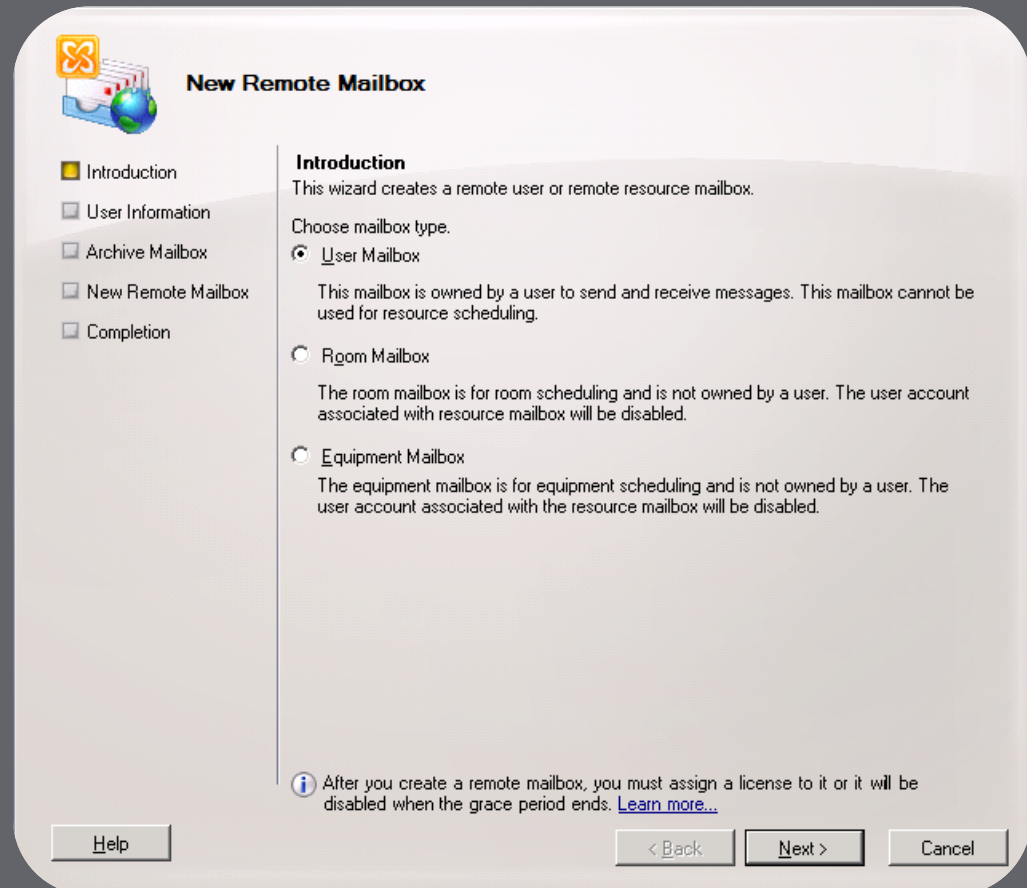
- Mailbox Creation
- Transport Rules
- Journal Rules
- Exchange Active Sync
- Auditing Reports
- Enhanced RBAC Management
- Resource Mailbox Management
- Security Group management
- Litigation Hold
- And Much More...

Exchange Management Console

Primary tool for Hybrid Deployments

So what's new?

- Connecting to Exchange Online
- Multiple Version Support
- MRM 2.0
- Assign Role Assignment Policies
- Online "Remote" Mailbox Provisioning includes Archive Mailboxes
- Mailbox Migration
- Performance Improvements
- And more...



The screenshot shows the 'New Remote Mailbox' wizard in the Exchange Management Console. The wizard has a sidebar with steps: Introduction (selected), User Information, Archive Mailbox, New Remote Mailbox, and Completion. The main pane shows the 'Introduction' step, which explains that the wizard creates a remote user or resource mailbox. It asks the user to choose a mailbox type: User Mailbox (selected), Room Mailbox, or Equipment Mailbox. Each type has a description. At the bottom, there is a note about licensing and buttons for Help, Back, Next, and Cancel.

New Remote Mailbox

☒ Introduction
☐ User Information
☐ Archive Mailbox
☐ New Remote Mailbox
☐ Completion

Introduction
This wizard creates a remote user or remote resource mailbox.

Choose mailbox type.

☒ **User Mailbox**
This mailbox is owned by a user to send and receive messages. This mailbox cannot be used for resource scheduling.

☐ **Room Mailbox**
The room mailbox is for room scheduling and is not owned by a user. The user account associated with resource mailbox will be disabled.

☐ **Equipment Mailbox**
The equipment mailbox is for equipment scheduling and is not owned by a user. The user account associated with the resource mailbox will be disabled.

i After you create a remote mailbox, you must assign a license to it or it will be disabled when the grace period ends. [Learn more...](#)

Help < Back Next > Cancel

Remote PowerShell (Exchange Management Shell)

Recipient management

- Mailboxes
- Distribution groups
- Dynamic distribution groups
- External contacts
- Mail users
- Other recipient cmdlets

Provisioning

Migration

Permissions

- Administrator role groups
- Role assignment policies
- Role-based access control
- Mailbox permissions
- Send As permission

Compliance

- Multi-mailbox search
- Transport rules
- Supervision policies
- Information rights management
- Outlook protection rules
- Retention policies
- Message classifications
- Archiving and journaling

Reporting

- Audit logging
- Message tracking
- Other reporting cmdlets

Domains

- Accepted domains
- Remote domains

Mailbox settings

Organization settings

Federated delegation and hybrid deployment

- Federated delegation
- Sharing policies
- Mailbox moves

Mailbox options

Exchange ActiveSync

Unified Messaging

Get help at the command line

Remote PowerShell (Office 365 cmdlets)

Administrator: Microsoft Online Services Module for Windows PowerShell

```
PS C:\> Get-Command | where {$_.dll -like '*microsoft.online*'}

CommandType      Name                                     Definition
-----
Cmdlet            Add-MsolGroupMember                   Add-MsolGroupMember -GroupOb...
Cmdlet            Add-MsolRoleMember                   Add-MsolRoleMember -RoleObje...
Cmdlet            Confirm-MsolDomain                   Confirm-MsolDomain -DomainNa...
Cmdlet            Connect-MsolService                  Connect-MsolService [-Verbos...
Cmdlet            Convert-MsolDomainToFederated        Convert-MsolDomainToFederate...
Cmdlet            Convert-MsolDomainToStandard         Convert-MsolDomainToStandard...
Cmdlet            Convert-MsolFederatedUser            Convert-MsolFederatedUser -U...
Cmdlet            Get-MsolAccountSku                   Get-MsolAccountSku [-TenantI...
Cmdlet            Get-MsolCompanyInformation           Get-MsolCompanyInformation [-...
Cmdlet            Get-MsolContact                      Get-MsolContact [-HasErrorsO...
Cmdlet            Get-MsolDomain                      Get-MsolDomain [-Status <Nul...
Cmdlet            Get-MsolDomainFederationSett...      Get-MsolDomainFederationSett...
Cmdlet            Get-MsolDomainVerificationDns       Get-MsolDomainVerificationDn...
Cmdlet            Get-MsolFederationProperty           Get-MsolFederationProperty [-...
Cmdlet            Get-MsolGroup                       Get-MsolGroup [-UserObjectId...
Cmdlet            Get-MsolGroupMember                 Get-MsolGroupMember [-GroupO...
Cmdlet            Get-MsolPartnerContract             Get-MsolPartnerContract [-Do...
Cmdlet            Get-MsolPartnerInformation           Get-MsolPartnerInformation [-...
Cmdlet            Get-MsolRole                        Get-MsolRole [-TenantId <Nul...
Cmdlet            Get-MsolRoleMember                  Get-MsolRoleMember [-RoleObj...
Cmdlet            Get-MsolSubscription                Get-MsolSubscription [-Tenan...
Cmdlet            Get-MsolUser                        Get-MsolUser [-City <String>...
Cmdlet            Get-MsolUserRole                    Get-MsolUserRole -ObjectId <...
Cmdlet            New-MsolDomain                      New-MsolDomain [-Name <Strin...
Cmdlet            New-MsolFederatedDomain              New-MsolFederatedDomain [-Su...
Cmdlet            New-MsolGroup                       New-MsolGroup [-DisplayName ...
Cmdlet            New-MsolLicenseOptions               New-MsolLicenseOptions -Acco...
Cmdlet            New-MsolUser                        New-MsolUser [-ImmutableId <...
Cmdlet            Remove-MsolContact                  Remove-MsolContact -ObjectId...
Cmdlet            Remove-MsolDomain                   Remove-MsolDomain -DomainNam...
Cmdlet            Remove-MsolFederatedDomain          Remove-MsolFederatedDomain [-...
Cmdlet            Remove-MsolGroup                    Remove-MsolGroup -ObjectId <...
Cmdlet            Remove-MsolGroupMember              Remove-MsolGroupMember -Grou...
Cmdlet            Remove-MsolRoleMember               Remove-MsolRoleMember -RoleO...
Cmdlet            Remove-MsolUser                     Remove-MsolUser -ObjectId <G...
Cmdlet            Set-MsolADFSContext                 Set-MsolADFSContext [-ADFSUs...
Cmdlet            Set-MsolCompanyContactInform...     Set-MsolCompanyContactInform...
Cmdlet            Set-MsolCompanySettings              Set-MsolCompanySettings [-Se...
Cmdlet            Set-MsolDirSyncEnabled              Set-MsolDirSyncEnabled -Enab...
Cmdlet            Set-MsolDomain                      Set-MsolDomain [-Name <Strin...
Cmdlet            Set-MsolDomainAuthentication        Set-MsolDomainAuthentication...
Cmdlet            Set-MsolDomainFederationSett...     Set-MsolDomainFederationSett...
Cmdlet            Set-MsolGroup                       Set-MsolGroup [-ObjectId <Nu...
Cmdlet            Set-MsolPartnerInformation           Set-MsolPartnerInformation [-...
Cmdlet            Set-MsolUser                        Set-MsolUser [-ImmutableId <...
Cmdlet            Set-MsolUserLicense                 Set-MsolUserLicense -ObjectI...
Cmdlet            Set-MsolUserPassword                Set-MsolUserPassword -Object...
Cmdlet            Set-MsolUserPrincipalName           Set-MsolUserPrincipalName -O...
Cmdlet            Update-MsolFederatedDomain           Update-MsolFederatedDomain [-...
```

Demo 1 | The Tools

RBAC in the Cloud

RBAC in the Cloud

It's still about Who can do What... and Where?

Who

- Administrative Role Groups define high-level job functions
- End user Role Assignment Policies for self-service

What

- Task-, action-, or feature-based permissions
- Management Roles consist of Exchange commands and their parameters
- Multiple roles can be assigned

Where

- Limits the Scope of the Role Assignment
- For example, "All users in the Legal Department"

RBAC in the Cloud

What you won't find...

Role Groups

- Public Folder Management
- Server Management
- Delegated Setup

Roles

- Active Directory Permissions
- Address Lists
- Cmdlet Extension Agents
- Database Availability Groups
- Database Copies
- Databases
- Disaster Recovery
- email Address Policies
- Edge Subscriptions
- Exchange Connectors
- Exchange Server Certificates
- Exchange Servers
- Exchange Virtual Directories
- Mail Enabled Public Folders
- Monitoring
- POP3 And IMAP4 Protocols
- Public Folder Replication
- Public Folders
- Receive Connectors
- Send Connectors
- Support Diagnostics
- Transport Agents
- Transport Hygiene
- Transport Queues
- MyDiagnostics
- UnScoped Role Management

RBAC in the Cloud

What you will find...

Mailbox - Windows Internet Explorer
https://ch1prd0402.outlook.com/ecp/UsersGroups/EditMailbox.aspx?pwmcid=2&id=3da6542f-t

Mike Crowley

Last name:
Crowley

* Display name:
Mike Crowley

Microsoft Online Services ID:
MCrowley@planet365.onmicrosoft.com

Mailbox Usage ▾

Contact Information ▾

Organization ▾

E-Mail Options ▾

Mailbox Settings ▲

Mailbox plan:
ExchangeOnlineEnterprise ▾

Role assignment policy:
Default Role Assignment Policy ▾

MailTip ▾

Mailbox Features ▾

Role assignment policy
Change the role assignment policy for this user. Role assignment policies specify the RBAC roles assigned to the user.
[Learn More](#)

✓ Save ✗ Cancel

100%

Microsoft Exchange Server 2010

Mail > Options: Manage My Organization ▾

Users & Groups

Roles & Auditing

Mail Control

Phone & Voice

Administrator Roles User Roles Auditing

Role Groups

New... Details ✕ Copy ↺

Search role groups

Name

- Discovery Management
- Help Desk
- HelpdeskAdmins_7b980
- ISVMailboxUsers_533f9
- MailboxAdmins_24a36
- Organization Management
- Recipient Management
- Records Management
- TenantAdmins_3bb22
- UM Management
- View-Only Organization Management

Demo 2 | RBAC

Mailbox Provisioning Options

Mailbox Provisioning Options

Exchange Direct (ECP, EMC, EMS)

- Why?
 - Familiar tools
 - Powerful bulk upload capabilities
 - Full fidelity Exchange management
- Caveats
 - License Assignment Requires PowerShell or the Portal

Through “Microsoft Online Portal”

- Why?
 - One tool, multiple services
 - Integrated license assignment
 - Simplified management experience
- Caveats
 - Partial Exchange Management surface

Demo 3 | Mailbox Provisioning

License Management

Exchange Online (for Enterprises)

Overview of User Subscriptions

Feature	Exchange Online Kiosk	Exchange Online (Plan 1)	Exchange Online (Plan 2)
Mailbox size	500 megabytes (MB)	25 gigabytes (GB)*	Unlimited**
Outlook Web App (regular and light versions)	Yes	Yes	Yes
POP	Yes	Yes	Yes
IMAP	No	Yes	Yes
Outlook Anywhere (MAPI)	No	Yes	Yes
Microsoft Exchange ActiveSync®	No	Yes	Yes
Exchange Web Services	No***	Yes	Yes
Inbox rules	No	Yes	Yes
Delegate access	No (cannot access other users' mailboxes, shared mailboxes, or resource mailboxes)	Yes	Yes
Instant messaging interoperability in OWA	No	Yes (requires Lync Online or Microsoft Lync Server 2010)	Yes (requires Lync Online or Microsoft Lync Server 2010)
SMS notifications	No	Yes	Yes
Custom retention policies	Yes	Yes	Yes
Multi-mailbox search	Yes	Yes	Yes
Personal archive	No	Yes	Yes
Voicemail	No	No	Yes
Legal hold	No	No	Yes

*25 GB of storage apportioned across the user's primary mailbox and personal archive

**25 GB of storage in the user's primary mailbox, plus unlimited storage in the user's personal archive.

Licensing Office 365 Users

Exchange Online Archive

Assign licenses



Exchange Online Archiving

Exchange Online

Assign licenses



Microsoft Office 365 Plan E3



Office Professional Plus



Lync Online (Plan 2)



Office Web Apps



SharePoint Online (Plan 2)



Exchange Online (Plan 2)

Enable User Licenses
on the portal:

Or via
PowerShell:

Windows PowerShell cmdlet	Description
Get-MsolSubscription	The Get-MsolSubscription cmdlet returns all the subscriptions that the company has purchased. When assigning licenses to users, the Get-MsolAccountSku API should be used instead.
Get-MsolAccountSku	The Get-MsolAccountSku will return all the SKUs that the company owns.
New-MsolLicenseOptions	The New-MsolLicenseOptions cmdlet creates a new License Options object. This cmdlet disables specific service plans when assigning a user a license using the Add-MsolUser and Set-MsolUserLicense cmdlets.
Set-MsolUserLicense	The Set-MsolUserLicense cmdlet can be used to adjust the licenses for a user. This can include adding a new license, removing a license, updating the license options, or any combination of these actions.

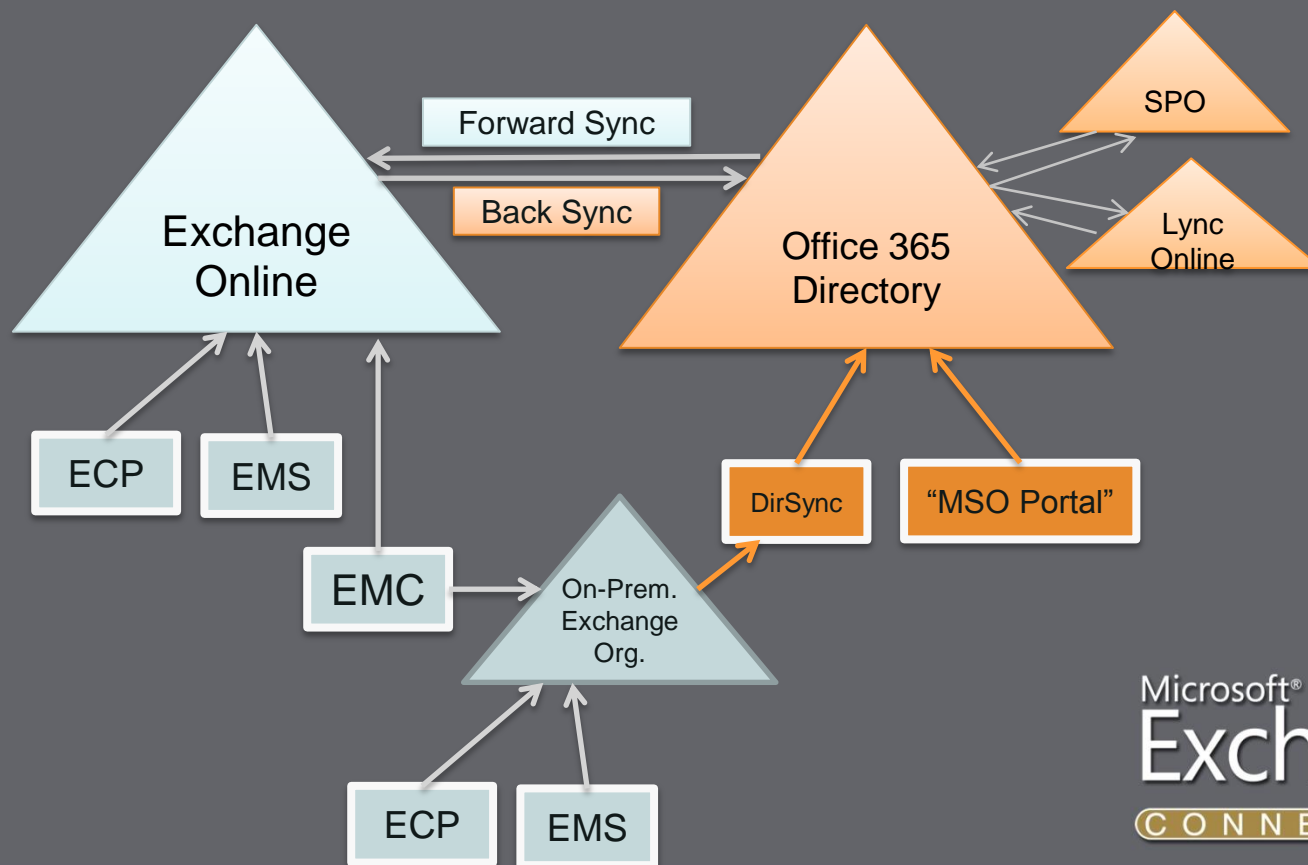
Demo 4 | License Management

Cross-Premises Administration

Cross Premises Administration

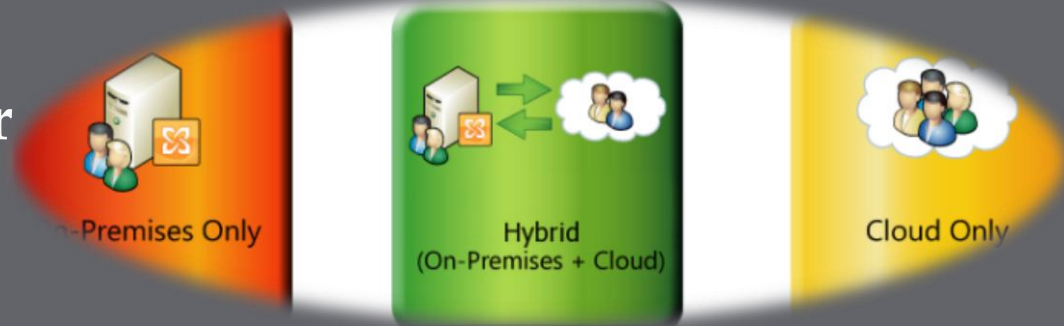
Why?

- Short Term: Migration to the cloud
- Long Term: Account management on premises



Cross Premises Administration

Full fidelity, seamless user experience!



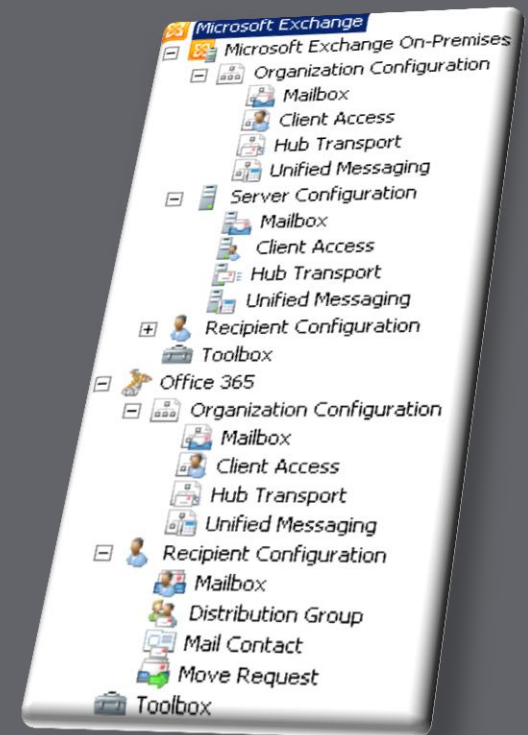
But what about the Admin experience?

EMC on-premise for most tasks

- Mailbox/Archive Provisioning
- Managing Cross-Premises properties
- Mailbox Searches

ECP, EMS and Office 365 UI for others

- Managing/assigning cloud based policies
- Administrative Permissions in the cloud

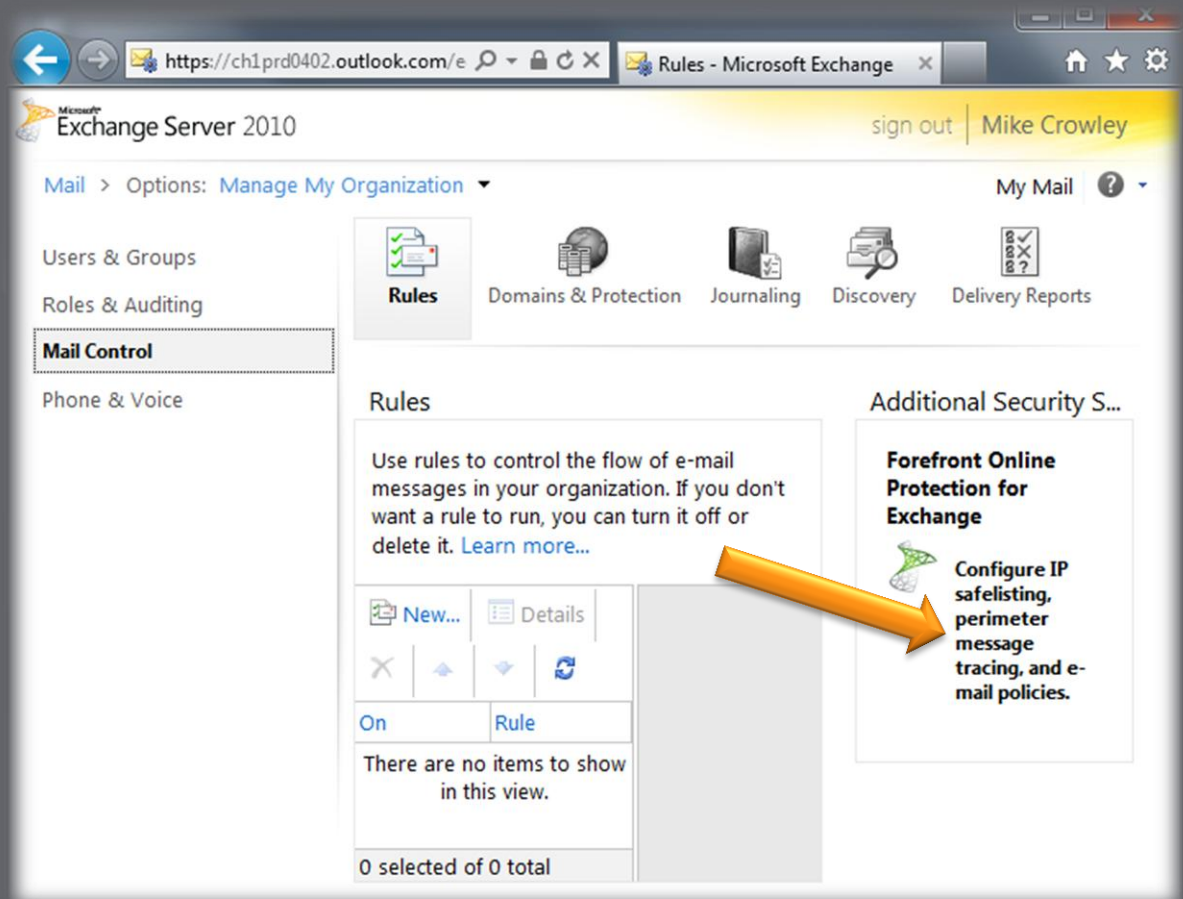


Forefront Online Protection for Exchange

FOPE

What do we do here?

- Access reports and statistics on e-mail hygiene for their domains
- Set advanced policy filters that are not available via Exchange Online transport rules, such as rules that are triggered by the IP address of inbound or outbound servers
- Configure forced TLS connections for their domains
- Perform advanced message tracing
- Configure organization-level safe and blocked senders



Demo 5 | FOPE

Additional Resources

- Office 365 Service Descriptions:
 - <http://go.microsoft.com/fwlink/?LinkId=207232>
- Exchange Server Deployment Assistant
 - <http://go.microsoft.com/fwlink/?linkid=171086>
- Office 365 Video Series
 - <http://technet.microsoft.com/en-us/edge/ff832960.aspx>
- Office 365 Help
 - <http://onlinehelp.microsoft.com/pt-pt/office365-enterprises/default.aspx>

Your Feedback is Important

Please fill out a session evaluation form
drop it off at the conference registration
desk.

Thank you!

Planet Technologies:

<http://Go-Planet.com>

Mike Crowley:

<http://MikeCrowley.us>

This slide deck will be posted here

<http://facebook.com/ExchangeConnections>

