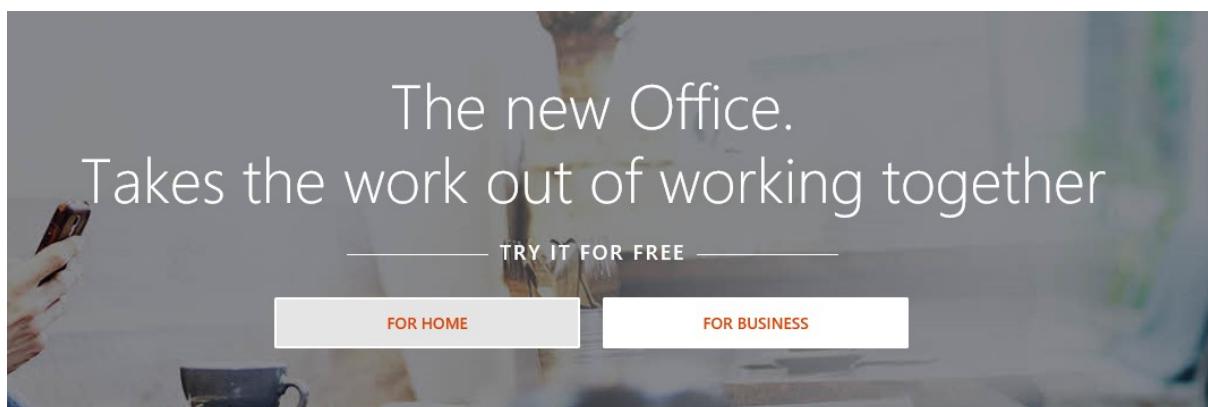


# Microsoft Office 365 – Exchange Online Implementation and Migration

## Chapter 1: Getting Started with Office 365



The image shows the Microsoft Office 365 sign-up process. On the left, a vertical orange sidebar lists steps: "Step 1 About you" (marked with a red checkmark), "Step 2 Create an ID" (marked with a grey dot), and "Step 3 You're in" (marked with a grey dot). The main area has a white background with a blurred background image of two people looking at a computer screen. At the top, it says "Hello Cloud" and "Want to add this to an existing subscription? Sign in". In the center, the text "Welcome, Let's get to know you" is displayed. Below this, there are several input fields: a dropdown for "United Kingdom" with a note "This can't be changed after sign-up. Why not?", a dropdown for "Cloud" set to "Admin", an email input field containing "ian.waters@office365lab.co.uk", a password input field with an "X" icon, and a dropdown for "Office 365 Lab". At the bottom, there is a dropdown for "301-1000 people" and a "Next" button with a circular arrow icon.

Office 365  
Enterprise E3 Trial

Step 1 About you ✓

Step 2 Create an ID ●

Step 3 You're in ●

Hello Cloud

Want to add this to an existing subscription? Sign in

# Create your user ID

CloudAdmin

office365laba .onmicrosoft.com

CloudAdmin@office365laba.onmicrosoft.com

.....

.....

Next ➔



Office 365  
Enterprise E3 Trial

Step 1 About you ✓

Step 2 Create an ID ✓

Step 3 You're in ●

Hello Cloud

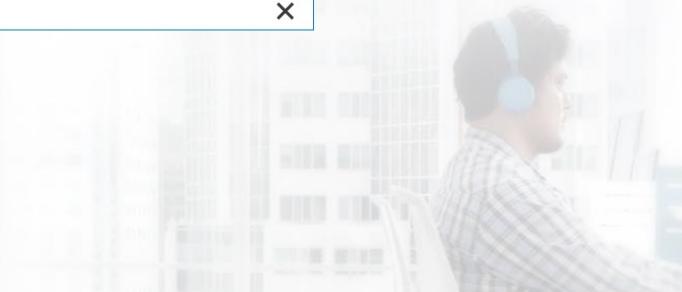
Want to add this to an existing subscription? Sign in

# Prove. You're. Not. A. Robot.

Text me  Call me

(+44) ✉ \*\*\*\*\* X

Text me ➔



Office 365  
Enterprise E3 Trial

Hello Cloud

Want to add this to an existing subscription?

[Sign in](#)

# Prove. You're. Not. A. Robot.

320322



Didn't get it or need a new code? [Try again](#)

## Step 1

About you



## Step 2

Create an ID



## Step 3

You're in



By clicking **Create my account** you agree to our [terms and conditions](#) and [default communication preferences](#).

Microsoft Online Services will be contacting you with tips and advice for using our products and services. You can unsubscribe at any time. For more information on communication options, please see our [Privacy Statement](#).

Microsoft Online Services may contact me with information about their products, services and events:

Email

Phone

Microsoft Partners may contact me with information about their products, services and events

By clicking **Create my account**, I confirm that I have read and understand the [Trial Agreement](#). If I am signing up on behalf of an organization, when I click Create my account, I represent that I have the authority to bind my organization to the terms in this agreement and that, as the representative of my organization, I agree that my organization is bound by this agreement and its linked websites.

[Create my account](#)

Office 365  
Enterprise E3 Trial

Hello Cloud

Want to add this to an existing subscription?

[Sign in](#)

# Save this info. You'll need it later.

Sign-in page

<https://portal.office.com>

Your user ID

[CloudAdmin@office365laba.onmicrosoft.com](mailto:CloudAdmin@office365laba.onmicrosoft.com)

**Creating your account...**

## Step 1

About you



## Step 2

Create an ID



## Step 3

You're in



Office 365  
Enterprise E3 Trial

Hello Cloud

# Save this info. You'll need it later.

## Step 1

About you



Sign-in page

<https://portal.office.com>

## Step 2

Create an ID



Your user ID

[CloudAdmin@office365laba.onmicrosoft.com](mailto:CloudAdmin@office365laba.onmicrosoft.com)

★ Bookmark the sign-in page

## Step 3

You're in



You're ready to go... ➔



Today is a day  
for fresh  
perspectives.

## Install Office 2016 on your PC



Word



Excel



PowerPoint



Outlook



OneNote



Skype for Business

Trial version

Purchase

Make Bing your search engine

Make MSN your browser homepage

Applies to Internet Explorer, Firefox, Chrome, and Safari

Install now

Other installs

[Troubleshoot installation](#)

Got a Mac? Sign in to Office 365 on your Mac to install.

[How do I get Office 2013?](#)

Smartphone or tablet? [Get Office on your devices](#)

[Learn how to set up email and Office 365 apps on your device](#)

## Collaborate with Office Online



Setting up...



Setting up...



Setting up...



Setting up...



Setting up...



Setting up...



Setting up...



Security & Compliance



Admin



Sway

## Chapter 2: Getting Familiar with the Office 365 Admin Portal



Work or school account

Keep me signed in

**Sign in**

[Can't access your account?](#)

Office 365 | Home

Today is a day for fresh perspectives.

Install Office 2016 on your PC

Word Excel PowerPoint Outlook OneNote Skype for Business

Got a Mac? Sign in to Office 365 on your Mac to install.

How do I get Office 2013?  
Smartphone or tablet? Get Office on your devices  
Learn how to set up email and Office 365 apps on your device

Trial version Purchase

Install now Other installs Troubleshoot installation

Collaborate with Office Online

Mail	Calendar	People	Yammer	Newsfeed	OneDrive	Sites
Tasks	Delve	Video	Word Online	Excel Online	PowerPoint Online	OneNote Online
Sway	Security & Compliance	Admin				

Office 365 | Admin center

Home > Domains

+ Add domain

Domain name	Status
Office365LabA.onmicrosoft.com (Default)	Setup complete

Home

Users

Groups

Resources

Billing

Support

Settings

Services & add-ins

Security & Privacy

Domains

Organization profile

Partner relationships

Office 365 Admin center preview

The screenshot shows the 'New Domain' wizard in the Admin center. On the left, there's a navigation menu with options like Home, Users, Groups, Resources, Billing, Support, and Settings (which is expanded to show Services & add-ins, Security & Privacy, Domains, Organization profile, and Partner relationships). The main area is titled 'Add a domain' with a sub-section 'Enter a domain you own.' A text input field contains 'office365lab.co.uk'. Below the input are four status indicators: 'Add a domain' (green checkmark), 'Verify domain' (blue dot), 'Set up your online services' (grey dot), and 'Update DNS settings' (grey dot). At the bottom are 'Next' and 'Save and close' buttons.

This screenshot shows the 'Verify domain' step. It features a large green circle with a white 'O' and the text 'office365lab.co.uk'. Below this are the same four status indicators: 'Add a domain' (green checkmark), 'Verify domain' (blue dot), 'Set up your online services' (grey dot), and 'Update DNS settings' (grey dot).

## Verify domain

To keep your domain secure, we need you to prove that you own it. Adding the record below will prove that you own the domain, but it won't affect your existing email or other services.

Follow these [step-by-step instructions](#) to add the TXT records with the values below at your registrar, your DNS host. [\(Not your registrar?\)](#)

Verify by: [TXT record](#) [MX Record](#)

**TXT name:** @

**TXT value:** MS=ms84494767

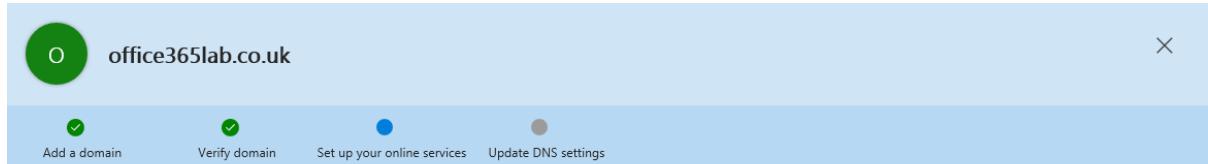
**TTL:** 3600

[Verify](#)

[Back](#)

[Save and close](#)

**⚠** We didn't find the record you added for office365lab.co.uk. If you just added this record please allow 5 to 10 minutes for the change to be replicated through the system, sometime it can take significantly longer depending on your registrar.



## Set up your online services

To set up your online services, you'll need to add one or more DNS records to your host.

**Set up my online services for me. (Recommended)**

Next, you'll update your name server DNS records to give Office 365 permission to set up the rest of your online services. This option is recommended if your domain doesn't have an existing website.

**I'll manage my own DNS records.**

We will provide a list of DNS records that you will need to add to your domain at your registrar.

Next

Back

Save and close

office365lab.co.uk

Add a domain Verify domain Set up your online services Update DNS settings

## Update DNS settings

Add DNS records for office365lab.co.uk at your registrar your DNS host. [🔗 \(Not your registrar?\)](#)

^ MX Records [step-by-step instructions](#)

	Priority	Host name	Points to address or value	TTL
Expected	0	@	office365lab-co-uk.mail.protection.outlook.com	3600

^ CNAME Records [step-by-step instructions](#)

	Host name	Points to address or value	TTL
Expected	autodiscover	autodiscover.outlook.com	3600
Expected	sip	sipdir.online.lync.com	3600
Expected	lyncdiscover	webdir.online.lync.com	3600
Expected	msoid	clientconfig.microsoftonline-p.net	3600
Expected	enterpriseregistration	enterpriseregistration.windows.net	3600
Expected	enterpriseenrollment	enterpriseenrollment.manage.microsoft.com	3600

^ SRV Records [step-by-step instructions](#)

	Service	Protocol	Port	Weight	Priority	TTL	Name	Target
Expected	_sip	_tls	443	1	100	3600	@	sipdir.online.lync.com
Expected	_sipfederationtls	_tcp	5061	1	100	3600	@	sipfed.online.lync.com

^ TXT Records [step-by-step instructions](#)

	TXT name	TXT value	TTL
Expected	@	v=spf1 include:spf.protection.outlook.com -all	3600

Skip this step - I have custom DNS records, so I'll add the records I need later. I understand that some Office 365 services may be unavailable until I manually add the records with my registrar.

**⚠️ Important:** After you successfully complete this step, all email will be redirected to the new Office 365 email addresses.

[Verify](#)

[Back](#)

[Exit](#)

The screenshot shows a progress bar at the top with four items: 'Add a domain' (grey dot), 'Verify domain' (grey dot), 'Set up your online services' (green checkmark), and 'Update DNS settings' (blue dot). Below the progress bar, the heading 'Update DNS settings' is displayed. A message below it says: 'Congratulations! Your domain and email addresses are all set up. This domain has been added! Any skipped DNS records will be shown as errors for this domain. Remember that some Office 365 services may be unavailable for users of this domain when DNS records are incorrect or missing.' A blue 'Finish' button is at the bottom left.

Domain name	Status
Office365LabA.onmicrosoft.com (Default)	Setup complete
office365lab.co.uk	Setup complete

The screenshot shows the Microsoft Admin center home page. The left sidebar includes links for Home, Users, Groups, Resources, Billing, Support, Settings, Health, and Admin centers. The main content area features several cards: 'Users' (with options to Add a user, Delete a user, Edit a user, and Reset a password), 'Billing' (with options to Edit the payment method and View my bill), 'Office software' (with options to Install my software, Share the download link, and Software download settings), 'Message center' (listing New feature: Safety Tips in Outlook and Outlook on the web, New Feature: Yammer user profile update from Az... , and Deprecation of Yammer Leaderboard App, along with 23 unread messages), 'Service health' (listing SharePoint Online and View the service health), 'What's new' (listing Search – tasks, Resource mailboxes, More settings, and More...), and 'Discover and learn' (listing Admin center overview, Billing & subscriptions, and User management).

Office 365 Admin center preview

Home > Active users

Office 365 Lab

+ Add a user More Filters All users Search Export

	Display name ▾	User name	Status
<input type="checkbox"/>	CloudAdmin	cloudadmin@Office365LabA.onmicrosoft.com	Office 365 Enterprise E3
<input type="checkbox"/>	Ian Waters	ian.waters@office365lab.co.uk	Office 365 Enterprise E3
<input type="checkbox"/>	Michael Freeman	michael.freeman@Office365LabA.onmicrosoft.co...	Office 365 Enterprise E3

Office 365 Admin center

Home > Groups

+ Add a group More View All supported groups Search

	Group name	Email	Type
<input type="checkbox"/>	Finance Team	financeteam@office365lab.co.uk	Office 365 group
<input type="checkbox"/>	Human Resources Team	humanresourceteam@office365lab.co.uk	Office 365 group
<input type="checkbox"/>	Management Team	managementteam@office365lab.co.uk	Office 365 group

Office 365 Admin center

Home > Rooms & equipment

+Add a mailbox More View All Search

	Name	Email	Type
<input type="checkbox"/>	Projector	projector@office365lab.co.uk	Equipment
<input type="checkbox"/>	Meeting Room 2	meetingroom2@office365lab.co.uk	Room
<input type="checkbox"/>	Meeting Room 1	meetingroom1@office365lab.co.uk	Room

Office 365 Admin center

Home > Subscriptions

Add subscriptions 

Office 365 Enterprise E3 Trial		Active
<b>Users</b>	25 Available 1 Assigned	Description Free trial for businesses that need full productivity; communication and collaboration tools with the familiar Office suite; including Office Online.
		<a href="#">Learn more</a>
		£14.70 user/month
		<a href="#">Buy now</a>
		More actions 

Optional privacy and security contractual supplements

Subscriptions

Bills

Licenses

Purchase Services

Support

Settings

Active

Expires 16 May 2016

[Extend](#)

More actions

Add partner of record

Edit service usage address

Edit VAT number



## Partner information (optional)

Are you currently working with a partner who helps you to deploy, optimize, or manage your online services? Enter their Microsoft Partner Network ID\* to associate them with this subscription. This association will allow your partner to service your organization better and optimize the use of your Microsoft Online Service. Association of a partner is optional, and there can only be one partner listed per subscription. Contact your partner for more information on the benefits of associating them with this subscription.

584653

Check ID

Partner found: Southern IT  
Networks Ltd

**Add this partner to all of your subscriptions without an associated partner.**



Submit

Cancel

Office 365 Admin center preview

Home > Bills

Here are your charges for the billing period you selected. Recent payments or charges not shown will be included in your next bill.

April 2016 View

You have no charges for the billing period you selected.

Note: Bills / Invoices for new orders will appear about 24 hours after purchase.

Recent payments or changes to current orders will appear on your next bill.

Home Users Groups Resources Billing Subscriptions Bills Licenses Purchase Services

Office 365 Admin center

Home > Licenses

Name	Valid	Expired	Assigned
Office 365 Enterprise E3	25	0	1

Home Users Groups Resources Billing Subscriptions Bills Licenses Purchase Services

## Create a service request

Billing and product info Subscriptions, accounts, billing, partners, trials	
Mail Outlook, e-mail, calendar, tasks, shared resources	
Sites and document sharing SharePoint, OneDrive for Business, search	
User and domain management Users, groups, domains, sign-on	
Identity management Active Directory, multi-factor, single sign-on	
Office client subscription Word, Excel, PowerPoint, OneNote	
Online collaboration Skype for Business, video conferencing, screen sharing, IM	
Yammer Enterprise Social network, enterprise collaboration	

[More...](#)

[See all support tickets](#)

## Office 365 health

Exchange	No issues
Identity Service	No issues
Office 365 Portal	No issues
Office Subscription	No issues
OneDrive for Business	No issues
Rights Management Service	No issues
SharePoint	<b>Service degraded ▾</b>
Skype for Business	No issues
Sway	No issues
Yammer Enterprise	No issues

[View details and history](#)

## Issues detected

None

## Top issues

- Find and fix issues after adding your domain or DNS records in Office 365
- Choose the Office software that users can install from the Office 365 portal
- Add your users and domain to Office 365

## Help center

- Fix OneDrive for Business sync problems
- Export or backup email, contacts, and calendar to an Outlook .pst file
- Find and fix issues after adding your domain or DNS records in Office 365

## Phone and Community

Get phone support or ask the community for help

## New service request

1. Identify the issue
2. Review suggestions
3. Add details
4. Confirm and submit

## identify the issue

\* Feature:

Domain Management

\* Symptom:

Add and verify domains

\* Issue summary

Summarize your issue in one sentence.

\* Issue details

In a few sentences, tell us what's going on. It's helpful if you include the steps to re-create the issue.

[Next](#)

[Cancel](#)

Office 365 Admin center

	Reference Number	Title	Status	Assigned To	Opened	Last Modified
<input type="checkbox"/>	616041794697356	Cant verify domain	Open	Microsoft	17/04/2016	17/04/2016

Office 365 Admin center

Home > Services & add-ins

+ Add an Office Add-in   View All   Search

Name	Host Apps	Status
Azure multi-factor authentication		
Calendar		
Community		
Cortana		
Directory Synchronization		
Integrated Apps		
Mail		
Microsoft Azure Rights Management		

Office 365 Admin center

Home > Security & Privacy

### Password policy

Edit

Set the password policy for all users in your organization.

Days before passwords expire: 730  
 Days before a user is notified about expiration: 14

### Let your people reset their own passwords

You can turn it on in the [Azure AD admin center](#). [Learn more about self-service password reset](#)

After you turn on self-service password reset, you need to send users to the following website so they can set up their alternate phone number or email address. [Don't lose access to your account](#).

Office 365 Admin center

Home > Organization profile

### Office 365 Lab

Name	Office 365 Lab
Address	2 Hillside Road Bexhill, TN402AN
Phone	07779345979
Technical contact	ian.waters@office365lab.co.uk
Preferred language	English

[Edit](#)

### Release preferences

Choose how your organization gets new features and service updates from Office 365.

Release track	Standard release
Release track users	All

[Edit](#)

### Bing Places for Business

You can list your organization with Bing.

[Bing Places for Business](#)

Office 365 Admin center

Home > Service health

Office 365 Lab

### We're having issues, but we're working on it.

Last refreshed: 12:49, 17 April 2016

Service	Status	Action
SharePoint Online	<span style="color: orange;">⚠</span>	SharePoint Online service is degraded
Exchange Online	<span style="color: green;">✓</span>	SP45075 - SharePoint Features - Service degradation
Identity Service	<span style="color: green;">✓</span>	Service degradation - 16 Apr 2016 00:44
Mobile Device Management	<span style="color: green;">✓</span>	Current Status: Engineers are continuing to test the build and expect to deploy it on Monday, April 18, 2016. Once the build is deployed, the new version of the OneDrive for Business sync client app will be made available on the Mac App Store.
Office 365 Portal	<span style="color: green;">✓</span>	User Impact: Affected users are unable to access the OneDrive for Business app sync client from Mac OS X version 10.11.4 and newer. Users currently using the OneDrive for Business app from build 17.3.6298.0108 or older should not be affected. Also, users accessing OneDrive for Business from other Mac OS X builds and other operating systems are not affected.
Office Subscription	<span style="color: green;">✓</span>	Scope of Impact: A very limited number of customers and users appear to be impacted. Engineers have received a few isolated customer reports of this issue.
OneDrive for Business	<span style="color: green;">✓</span>	Incident Start Time: Sunday, April 10, 2016, at 6:57 PM UTC
Rights Management Service	<span style="color: green;">✓</span>	Preliminary Root Cause: As part of our efforts to improve service performance and user experiences, an update was deployed to the OneDrive for Business app sync client for Mac OS X; however, the update caused an incompatibility with Mac OS X version 10.11.4 and newer.
Skype for Business	<span style="color: green;">✓</span>	Next Update by: Monday, April 18, 2016, at 5:00 PM UTC
Sway	<span style="color: green;">✓</span>	
Yammer Enterprise	<span style="color: green;">✓</span>	

Office 365 Admin center

The screenshot shows the Exchange Online service page within the Admin center. The left sidebar has 'Exchange Online' selected under 'SharePoint Online'. The main content area displays various service status cards, including:

- Identity Service**: Status: Healthy
- Mobile Device Management**: Status: Healthy
- Office 365 Portal**: Status: Healthy
- Office Subscription**: Status: Healthy
- OneDrive for Business**: Status: Healthy
- Rights Management Service**: Status: Healthy
- Skype for Business**: Status: Healthy
- Sway**: Status: Healthy
- Yammer Enterprise**: Status: Healthy

A calendar for March and April 2016 is shown, indicating the service was healthy on every day of the month.

Office 365 Admin center

The screenshot shows the Message center page within the Admin center. The left sidebar has 'Message center' selected. The main content area displays a list of messages:

Views	All active messages	Translate to	Choose a Language	Not seeing a message you expected to see?		
Act by	Category	Message title	Published	Message ID		
Plan For Change	New feature: Safety Tips in Outlook and Outlook on the web	Apr 16	MC45100	X		
Stay Informed	New Feature: Yammer user profile update from Azure Acti...	Apr 16	MC45098	X		
Plan For Change	Deprecation of Yammer Leaderboard App	Apr 16	MC45096	X		
Plan For Change	OneDrive for Business Next Generation Sync Client	Apr 14	MC45072	X		
Stay Informed	Introducing a new home page experience for Office 365 us...	Apr 13	MC44975	X		
Stay Informed	Updated Feature: What's new in Office 365 admin center	Apr 12	MC44961	X		
Stay Informed	New Feature: Enhanced Automatic Replies (Out of office) c...	Apr 12	MC44960	X		
Stay Informed	New usage reports for SharePoint, OneDrive, Yammer, and...	Apr 12	MC44949	X		
Stay Informed	What's New: March 2016	Apr 11	MC44946	X		
Stay Informed	What's New: Office 2016 for Office 365 - March updates	Apr 11	MC44942	X		
Stay Informed	Message Center Posts read/unread working again in Portal...	Apr 5	MC44791	X		



## Exchange admin center

## dashboard

recipients  
permissions  
compliance management  
organization  
protection  
mail flow  
mobile  
public folders  
unified messaging  
hybrid

## Welcome

## recipients

mailboxes  
groups  
resources  
contacts  
shared  
migration  
  
organization  
sharing  
add-ins  
  
mobile  
mobile device access  
mobile device mailbox policies  
  
hybrid  
setup

## permissions

admin roles  
user roles  
Outlook Web App policies  
  
protection  
malware filter  
connection filter  
spam filter  
outbound spam  
quarantine  
action center  
dkim  
  
public folders  
public folders  
public folder mailboxes

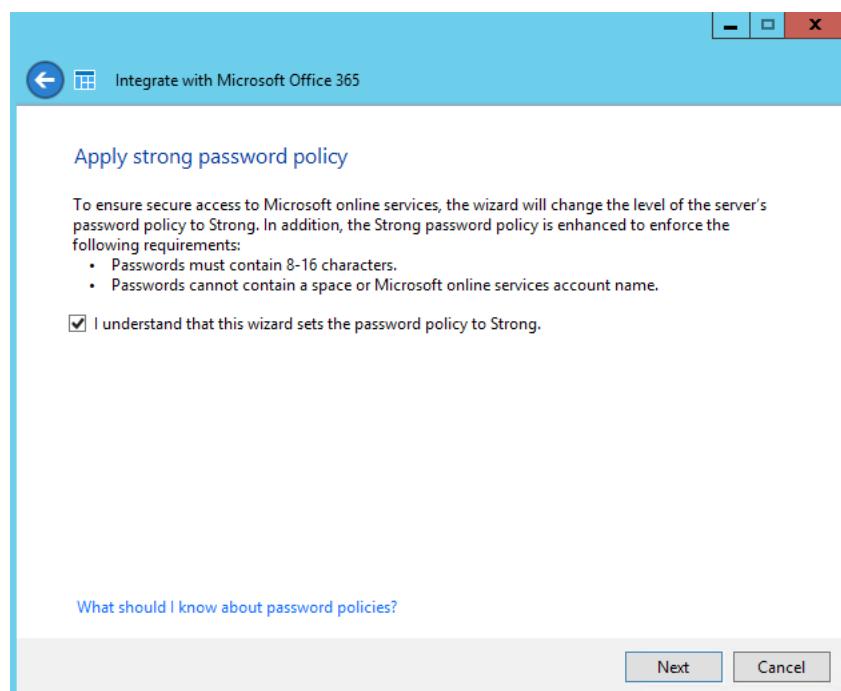
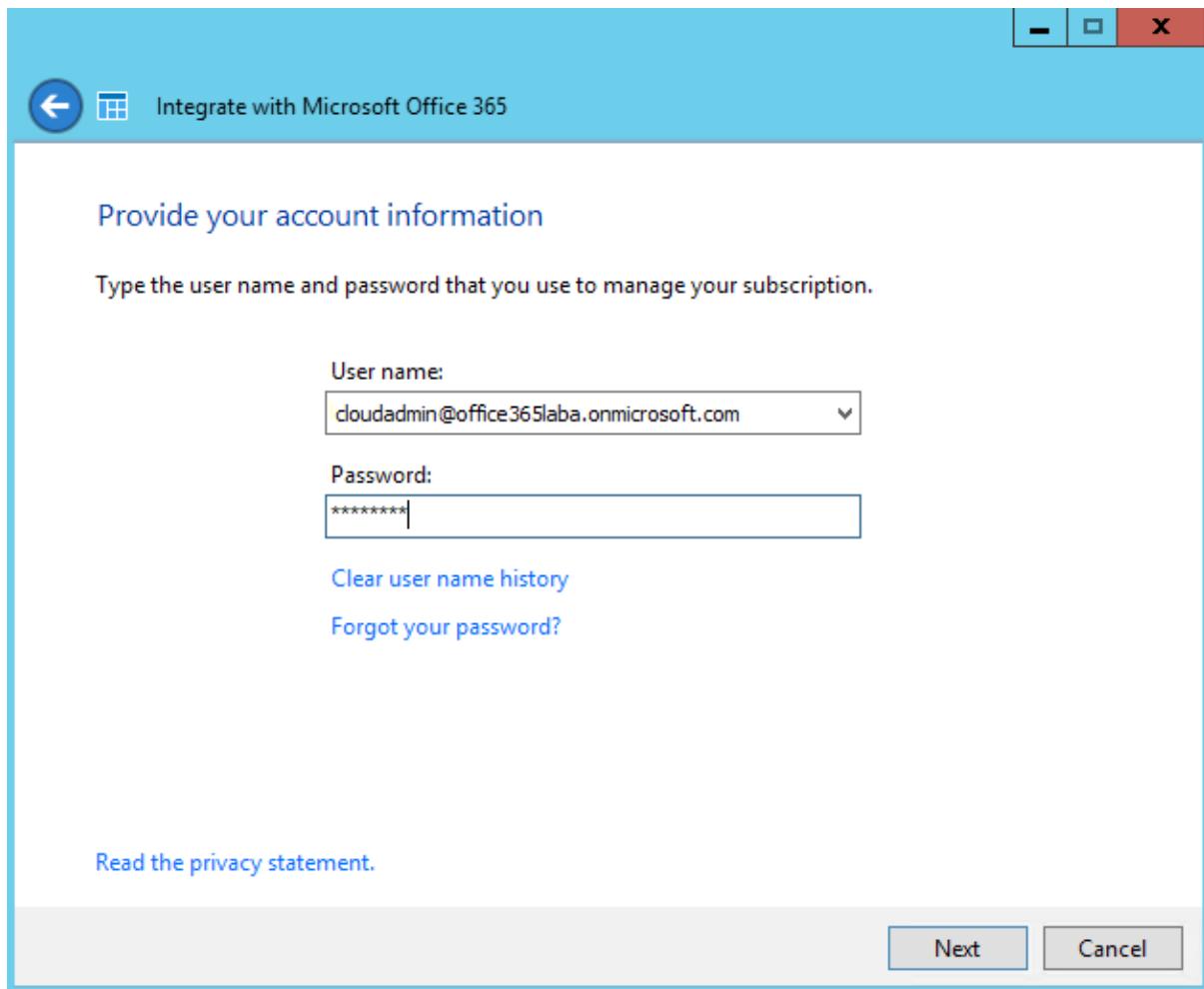
## compliance management

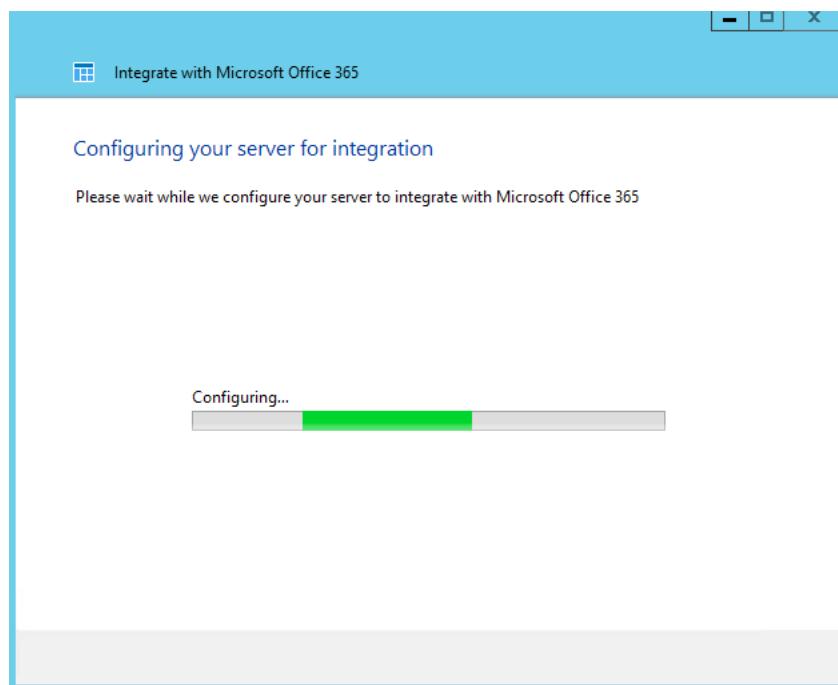
in-place eDiscovery & hold  
auditing  
data loss prevention  
retention policies  
retention tags  
journal rules  
  
mail flow  
rules  
message trace  
accepted domains  
remote domains  
email address policies  
connectors  
  
unified messaging  
UM dial plans  
UM IP gateways

# Chapter 3: Integration Options for Businesses

The screenshot shows the Windows Server Essentials Dashboard. On the left, there's a sidebar with sections like 'SETUP', 'SERVICES', 'ADD-INS', 'QUICK STATUS', and 'HELP'. The main area has tabs for 'HOME', 'USERS', 'DEVICES', 'STORAGE', and 'APPLICATIONS'. Under 'APPLICATIONS', the 'Get Started' tab is selected. It lists several integration options under 'Microsoft Online Services': 'Integrate with Microsoft Azure Active Directory' (Disabled), 'Integrate with Microsoft Office 365' (Enabled, highlighted with a red arrow), 'Integrate with Microsoft Intune' (Disabled), and 'Integrate with Microsoft Azure Backup' (Disabled). To the right, there's a section titled 'INTEGRATE WITH MICROSOFT OFFICE 365' with a sub-section 'Integrate with Microsoft Office 365' (Enabled) and a link 'Learn more about Microsoft Office 365'.

The screenshot shows the 'Integrate with Microsoft Office 365' wizard. The first step, 'Get started', explains the purpose of the wizard: to help integrate a new or existing subscription for Microsoft Office 365 into the server network. It lists two actions: adding and managing accounts, and synchronizing passwords. A checkbox 'I already have a subscription' is checked, with a red arrow pointing to it. At the bottom are 'Next' and 'Cancel' buttons.







This screenshot provides a detailed look at the "OFFICE 365" section of the Windows Server Essentials Dashboard. It includes a list of tips on how to manage Office 365 accounts and devices, and sections for "Organization", "Domain", "Subscription", and "Exchange Online". On the right, there are two boxes: "Configuration Tasks" (with options like "Change the Office 365 administrator account") and "Administrative Tasks" (with options like "Manage Office 365" and "Community support").

To view or create Office 365 accounts for network users, go to the Users tab under the Users tab.  
To view or create distribution groups on Office 365, go to the Groups tab under the Users tab.  
To view or create SharePoint libraries on Office 365, go to the SharePoint Libraries tab under the Storage tab.  
To manage the mobile devices accessing emails on Office 365, go to the Mobile Devices tab under the Devices tab.

**Organization**  
Office 365 Lab  
Technical contact:  
cloudadmin@office365lab.co.uk  
Address:

**Domain**  
office365laba.onmicrosoft.com  
office365lab.co.uk (primary)  
office365laba.mail.onmicrosoft.com

**Subscription**  
Microsoft Office 365 Plan E3  
Your subscription includes 25 licenses.  
5 licenses are assigned to user accounts.  
Expires on 30 January 2017

**Exchange Online**  
Mailbox usage:  
cloudadmin@Office365LabA.onmicrosoft.com < 0.1 GB

**Configuration Tasks**

- Change the Office 365 administrator account
- Link a domain to Office 365
- Disable Office 365 integration

**Administrative Tasks**

- Manage Office 365
- Community support

This screenshot shows the Microsoft 365 Admin center interface. The left sidebar has a "Users" section with "Active users" selected. The main content area displays a table of active users. The columns are "Display name", "User name", and "Status". One user, "CloudAdmin", is listed with the user name "cloudadmin@Office365LabA.onmicrosoft.com" and status "Office 365 Enterprise E3".

Display name	User name	Status
CloudAdmin	cloudadmin@Office365LabA.onmicrosoft.com	Office 365 Enterprise E3

Office 365 Admin center

Home

Search users, groups, settings or tasks

Users >

- + Add a user
- Delete a user
- Edit a user
- Reset a password

Billing >

- Office 365 Enterprise... 1 users
- More...
- Edit the payment method
- View my bill

Office software

- Install my software
- Share the download link
- Software download settings

Message center >

- New feature: Safety Tips in Outlook and Outlook o... Apr 16 X
- New Feature: Yammer user profile update from Az... Apr 16 X
- Deprecation of Yammer Leaderboard App Apr 16 X

22 unread messages

Service health >

- SharePoint Online
- View the service health

Reports >

Active users

There is no usage data for Active users.

Support

- New service request
- View service requests

Office 365 Admin

## Exchange admin center

dashboard

recipients

permissions

compliance management

organization

protection

mail flow

## Welcome

recipients

mailboxes

groups **groups**

resources

contacts

shared

migration

Windows Server Essentials Dashboard

Windows Server 2012 R2

HOME USERS DEVICES STORAGE APPLICATIONS OFFICE 365

Users User Groups Distribution Groups

Name	Logon name	File History	Anywhere Access	Access level	Status	Microsoft online account
Administrator (1)						
localadmin	localadmin	Managed		Administrator	Active	
Standard user (6)						
Andy Waters	AndyWaters	Managed		Standard user	Active	
Fay Williams	FayWilliams	Managed		Standard user	Active	
Ian Waters	IanWaters	Managed		Standard user	Active	
Michael Freeman	MichaelFreeman	Managed		Standard user	Active	
Nic Horrocks	NicHorrocks	Managed		Standard user	Active	
Tom Owers	TomOwers	Managed		Standard user	Active	

No item is selected.

7 Items

Users Tasks

- Refresh
- Add a user account
- Set the password policy
- Change the File History setting
- Export all remote connections
- Add Microsoft online accounts**
- Import accounts from Microsoft online service

← Add Microsoft Online Services accounts

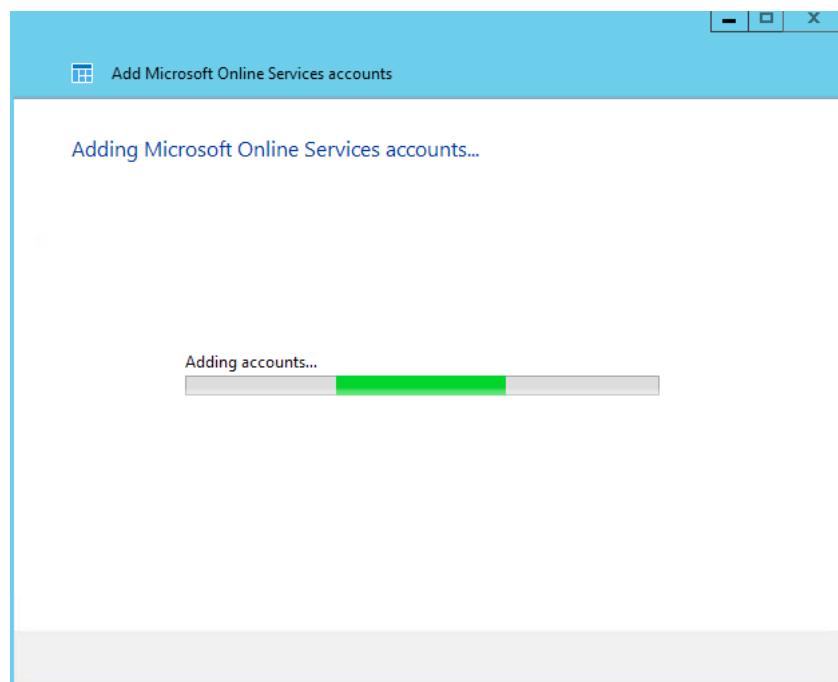
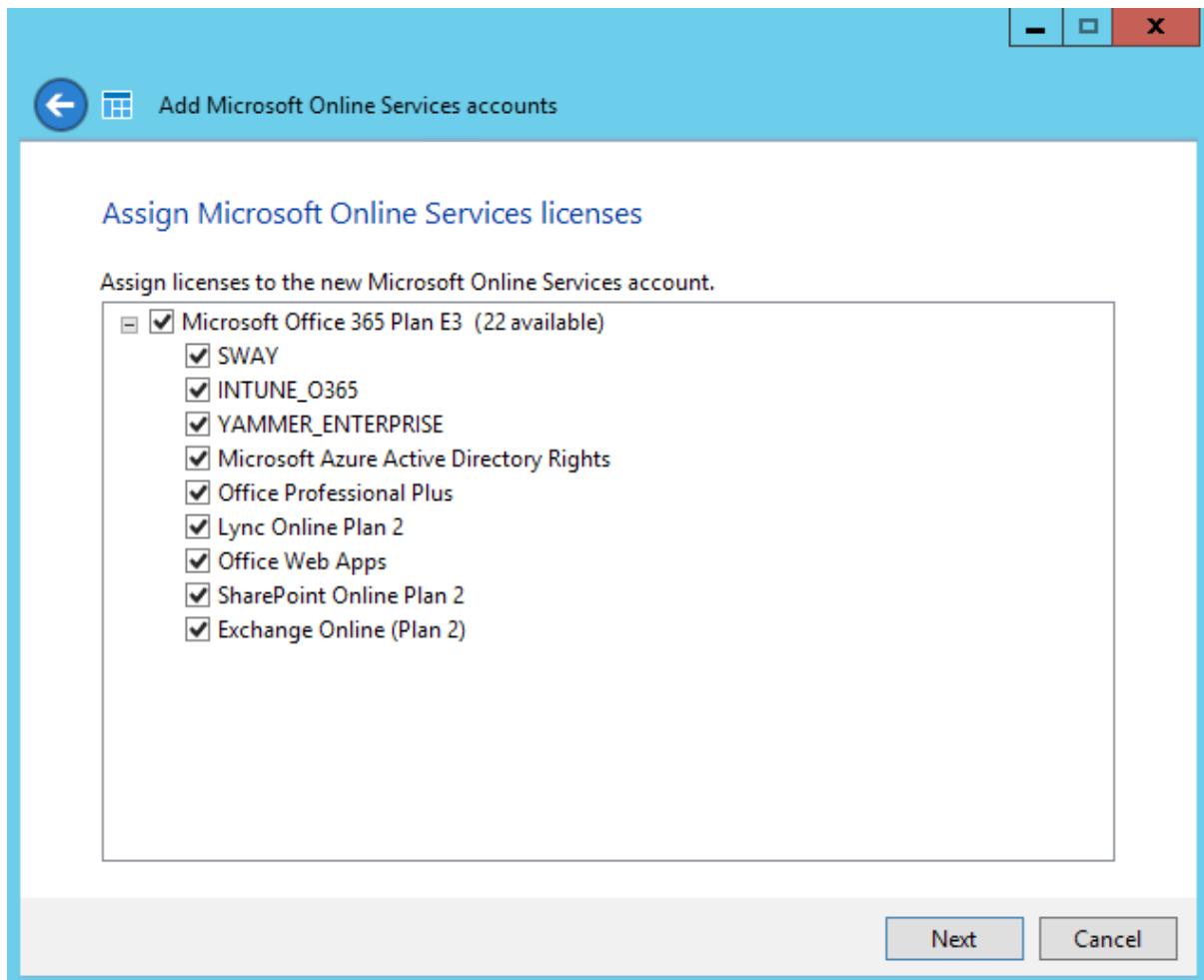
## Add Microsoft Online Services accounts

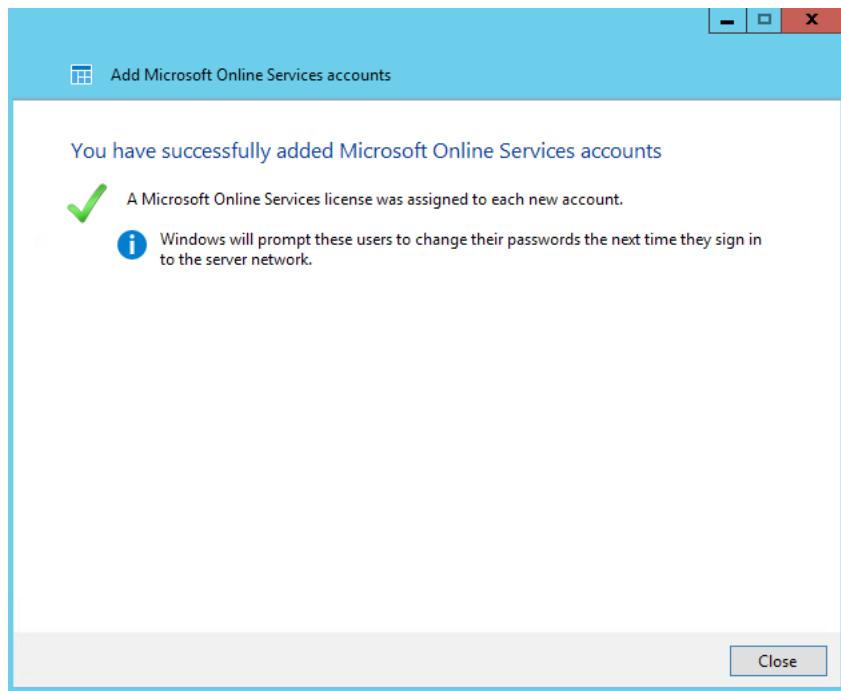
To add a Microsoft Online Services account for an existing user account, you can either accept the recommended account name, or type a different name. User accounts that already have a Microsoft Online Services account do not appear in this list.

**Server user account Microsoft Online Services account**

<input checked="" type="checkbox"/> AndyWaters	AndyWaters	@	office365lab.co.uk
<input checked="" type="checkbox"/> FayWilliams	FayWilliams	@	office365lab.co.uk
<input checked="" type="checkbox"/> IanWaters	IanWaters	@	office365lab.co.uk
<input type="checkbox"/> localadmin	localadmin	@	office365lab.co.uk
<input checked="" type="checkbox"/> MichaelFreeman	MichaelFreeman	@	office365lab.co.uk
<input checked="" type="checkbox"/> NicHorrocks	NicHorrocks	@	office365lab.co.uk
<input checked="" type="checkbox"/> TomOwers	TomOwers	@	office365lab.co.uk

Next Cancel





The screenshot shows the Windows Server Essentials Dashboard. The top navigation bar includes links for HOME, USERS, DEVICES, STORAGE, APPLICATIONS, and OFFICE 365. The USERS link is currently selected, highlighted in blue. Below the navigation is a table titled "Users" with columns for Name, Logon name, File History, Anywhere Access, Access level, Status, and Microsoft online account. The table lists seven users: localadmin (Administrator), Andy Waters, Fay Williams, Ian Waters, Michael Freeman, Nic Horrocks, and Tom Owers. Each user's Microsoft online account email is listed in the last column. The "Anywhere Access" column shows that most users have "Managed" access, while the administrator has "Administrator" access.

Name	Logon name	File History	Anywhere Access	Access level	Status	Microsoft online account
Administrator (1)				Administrator	Active	
localadmin	localadmin	Managed		Standard user	Active	
Standard user (6)				Standard user	Active	AndyWaters@office365lab.co.uk
Andy Waters	AndyWaters	Managed		Standard user	Active	FayWilliams@office365lab.co.uk
Fay Williams	FayWilliams	Managed		Standard user	Active	IanWaters@office365lab.co.uk
Ian Waters	IanWaters	Managed		Standard user	Active	MichaelFreeman@office365lab.co.uk
Michael Freeman	MichaelFreeman	Managed		Standard user	Active	NicHorrocks@office365lab.co.uk
Nic Horrocks	NicHorrocks	Managed		Standard user	Active	TomOwers@office365lab.co.uk
Tom Owers	TomOwers	Managed		Standard user	Active	



HOME    USERS    DEVICES    STORAGE    APPLICATIONS    OFFICE 365

Users						
Name	Logon name	File History	Anywhere Access	Access level	Status	Microsoft online account
Administrator (1)						
localadmin	localadmin	Managed		Administrator	Active	
Standard user (6)						
Andy Waters	AndyWaters	Managed		Standard user	Active	AndyWaters@office365lab.co.uk
Fay Williams	FayWilliams	Managed	View the account properties			
Ian Waters	IanWaters	Managed	Deactivate the user account			
Michael Freeman	MichaelFreeman	Managed	Remove the user account			
Nic Horrocks	NichHorrocks	Managed	Change the user account password			
Tom Owers	TomOwers	Managed	Unassign a Microsoft online account			

### Add a User Account

Type a name and a password for the new user account

First name: Peter      Last name: Smith

User account name: PeterSmith

Password: \*\*\*\*\* Confirm password: \*\*\*\*\*

✓ The passwords match  
✓ The password must be at least 8 characters and no more than 16 characters in length  
✓ The password must meet complexity requirements [\(learn more\)](#)

Level of access: Standard user

[Next](#) [Cancel](#)

Add a User Account

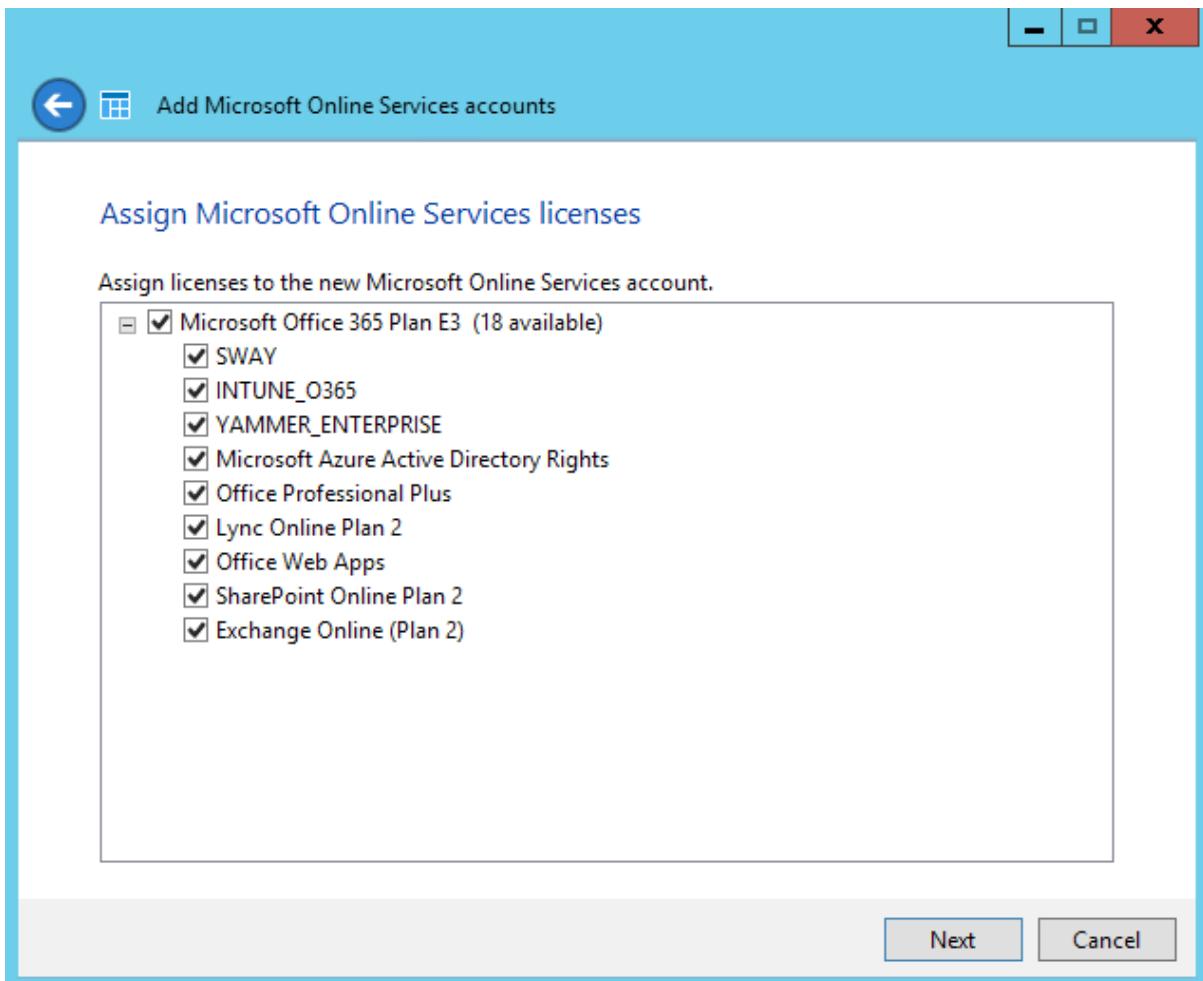
Assign a Microsoft Online Services account

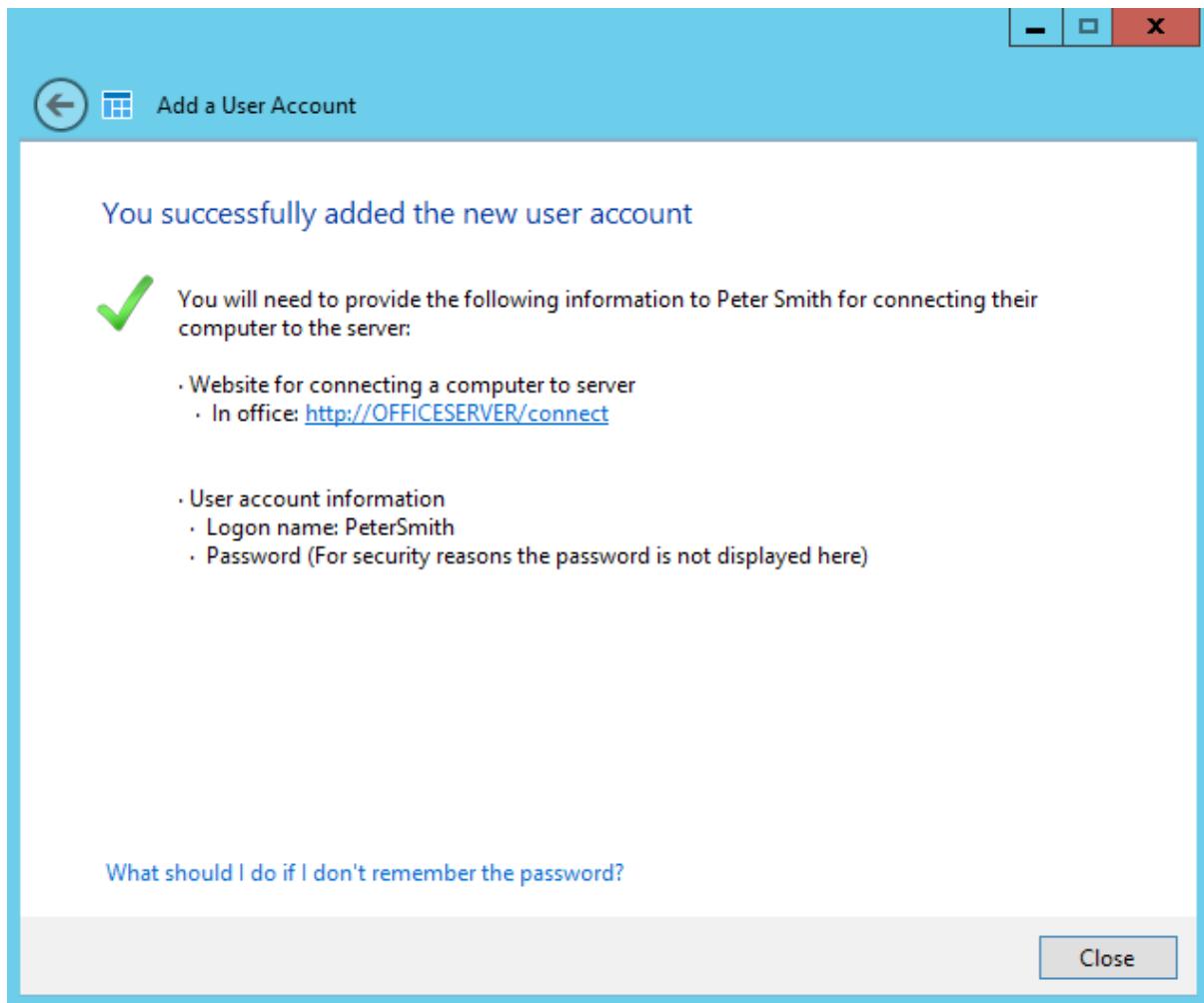
Create a new Microsoft Online Services account and assign it to this user account  
Type an email name for the new Microsoft Online Services account.

PeterSmith @ office365lab.co.uk

Assign an existing Microsoft Online Services account to this user account  
 Do not assign a Microsoft Online Services account to this user account

[Tell me more about these options.](#)

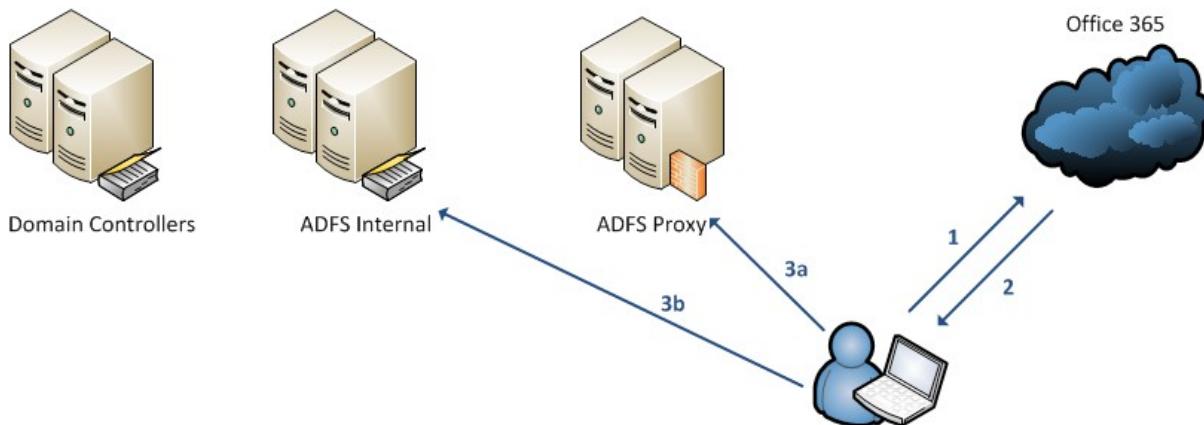
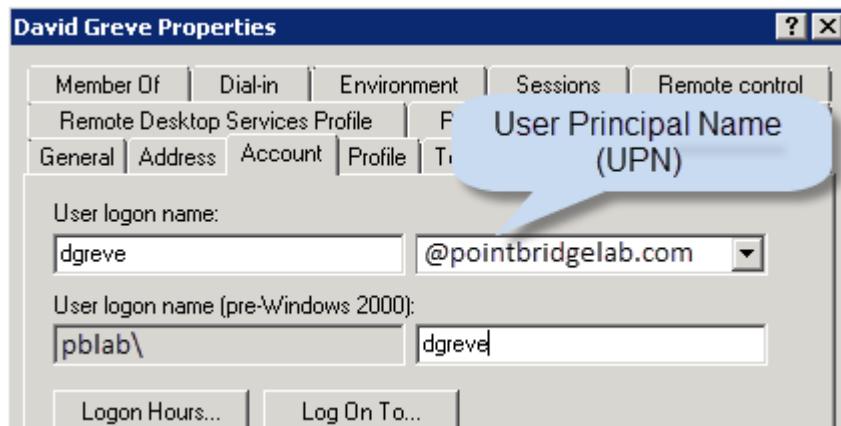
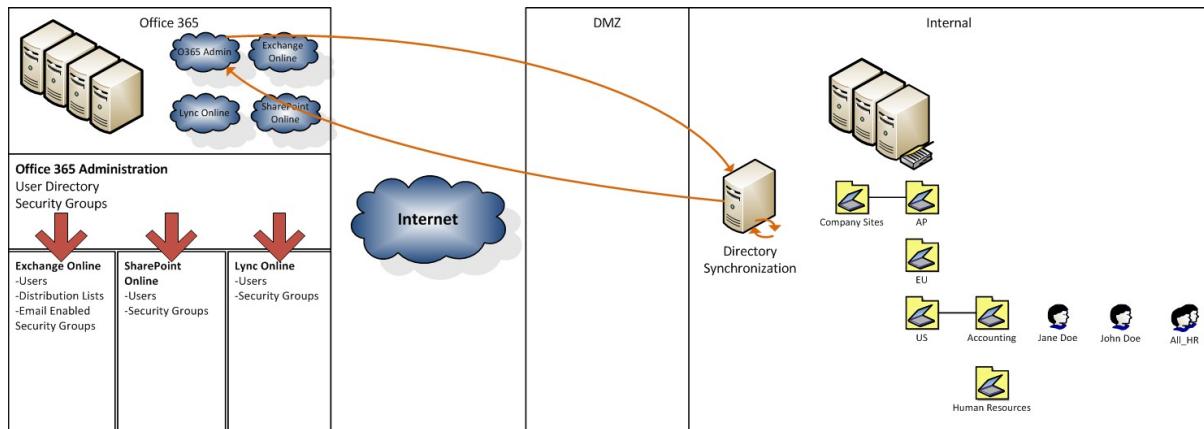


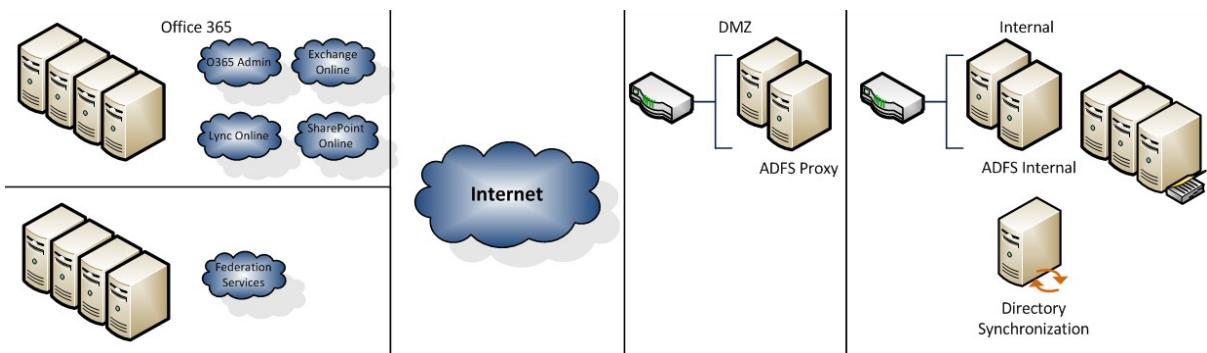
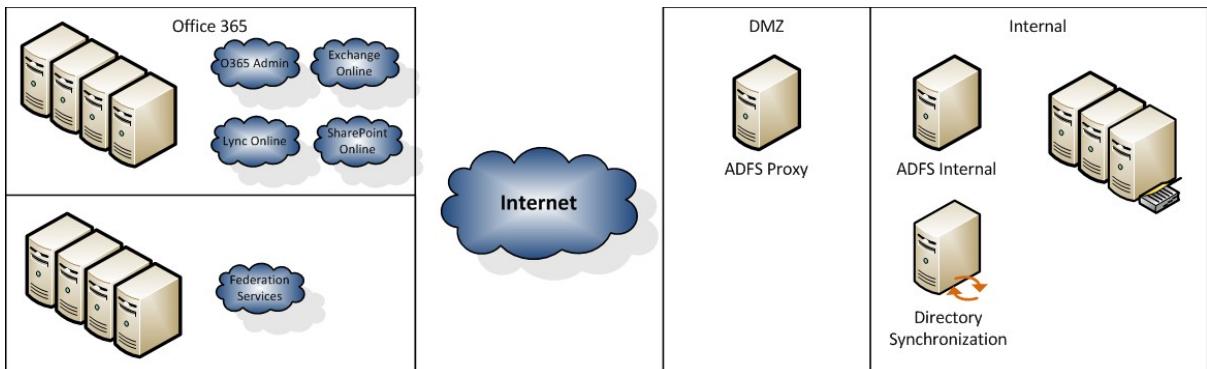
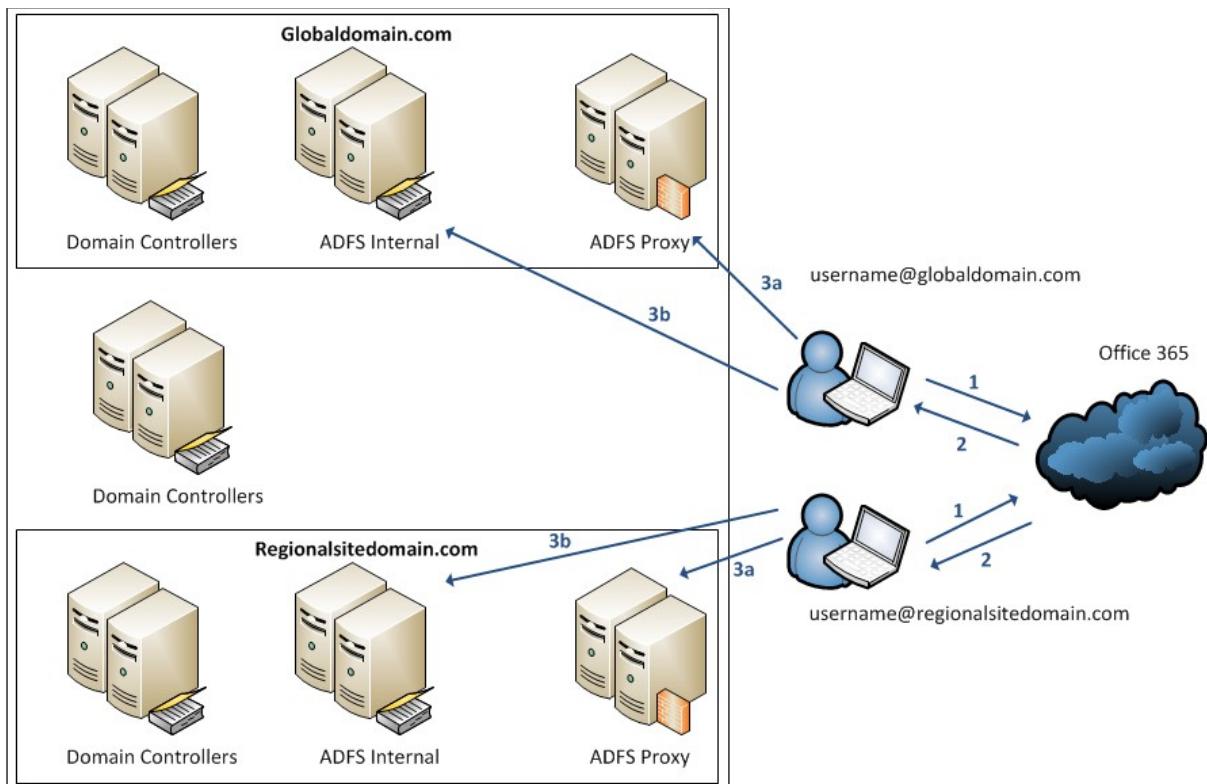


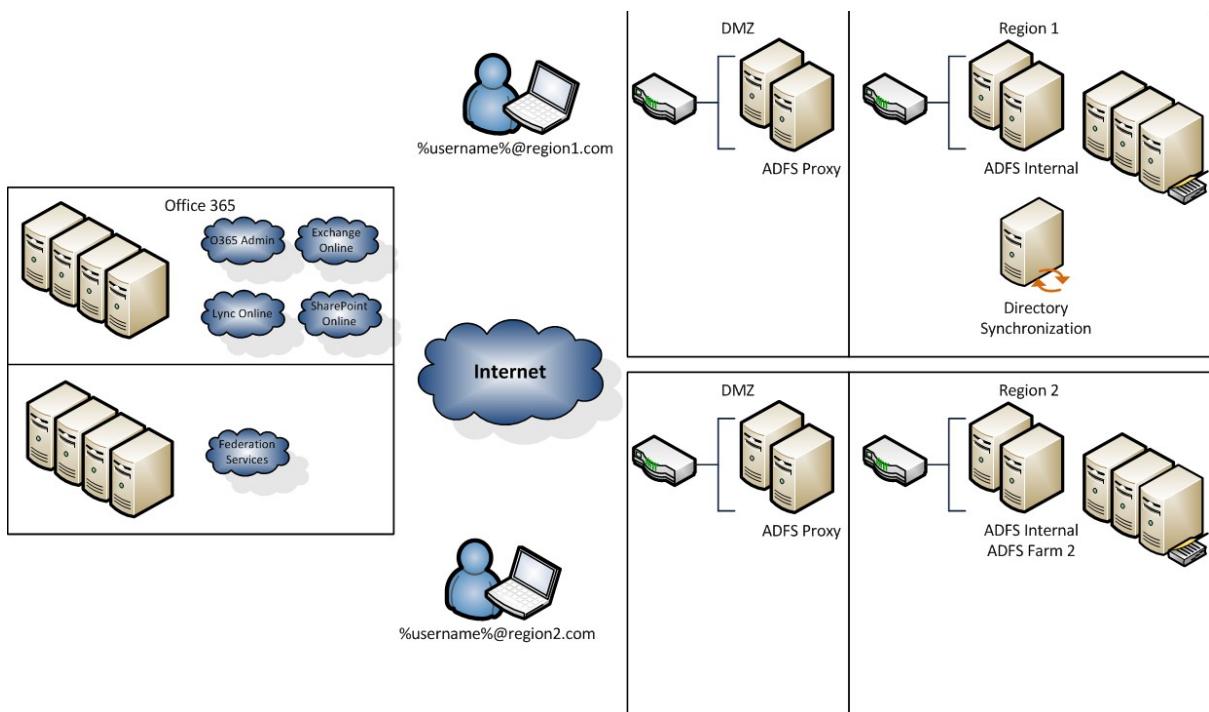
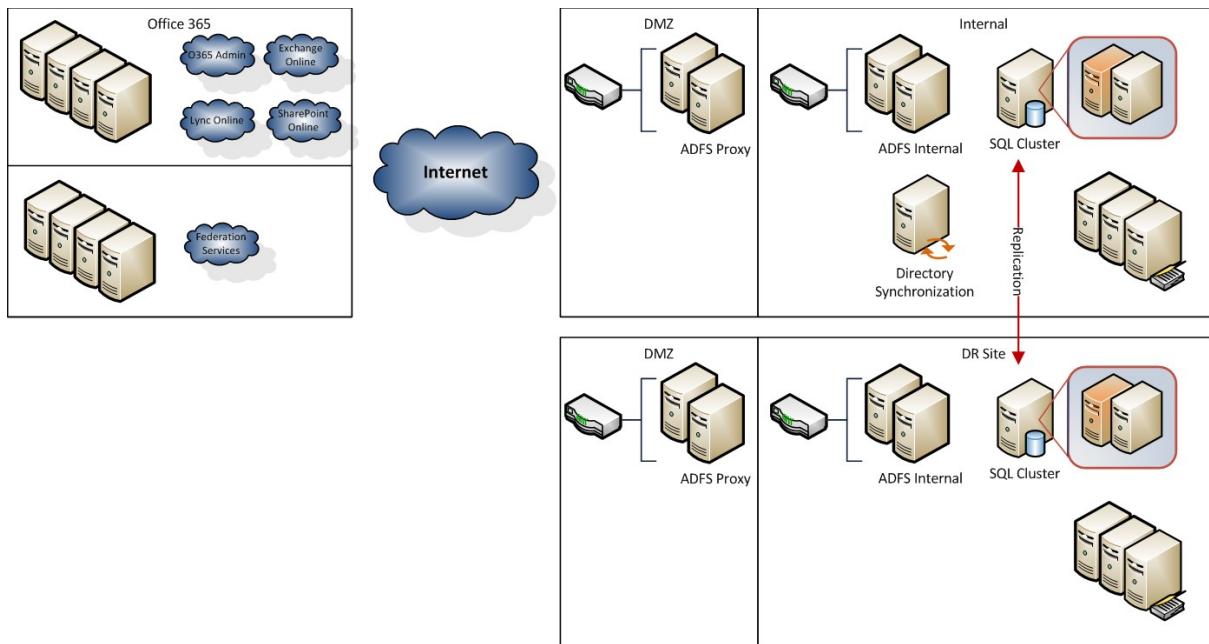
The screenshot shows the Windows Server Essentials Dashboard. The top navigation bar includes icons for Home, Users, Devices, Storage, Applications, and Office 365. The "USERS" tab is currently selected. Below the navigation is a sub-header with "Windows Server 2012 R2". The main content area displays a table of users:

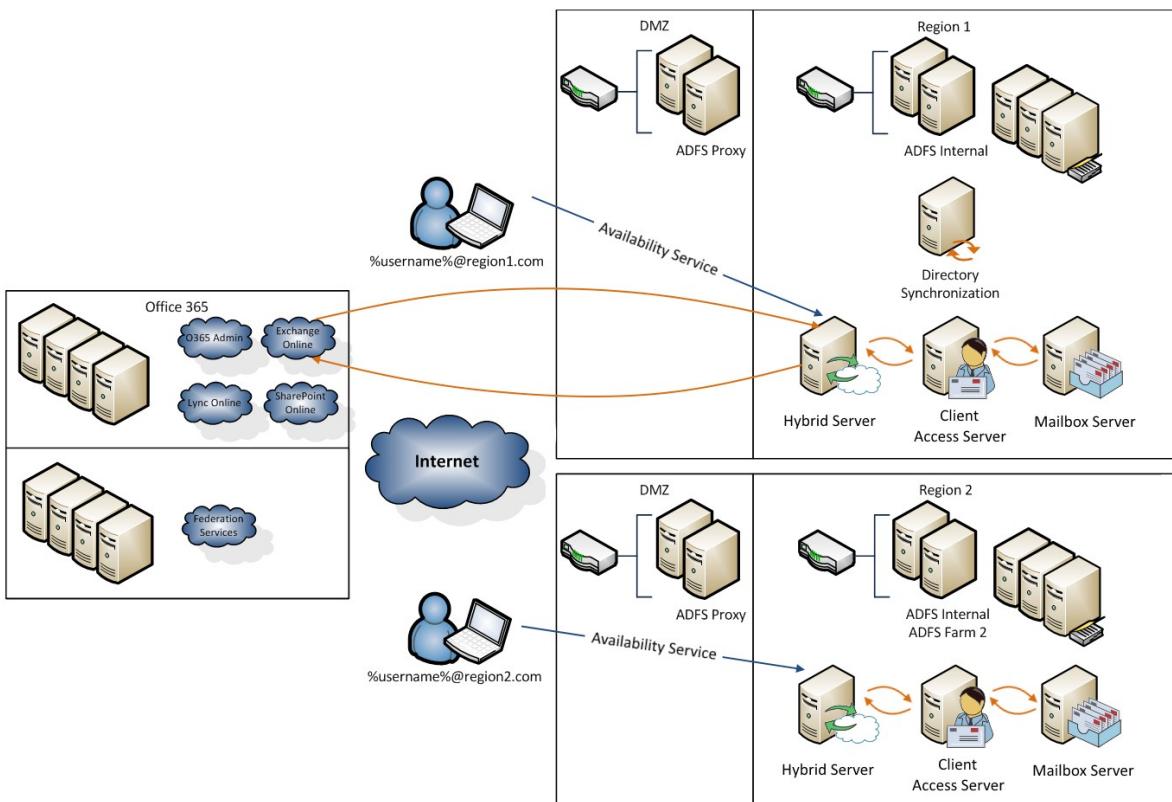
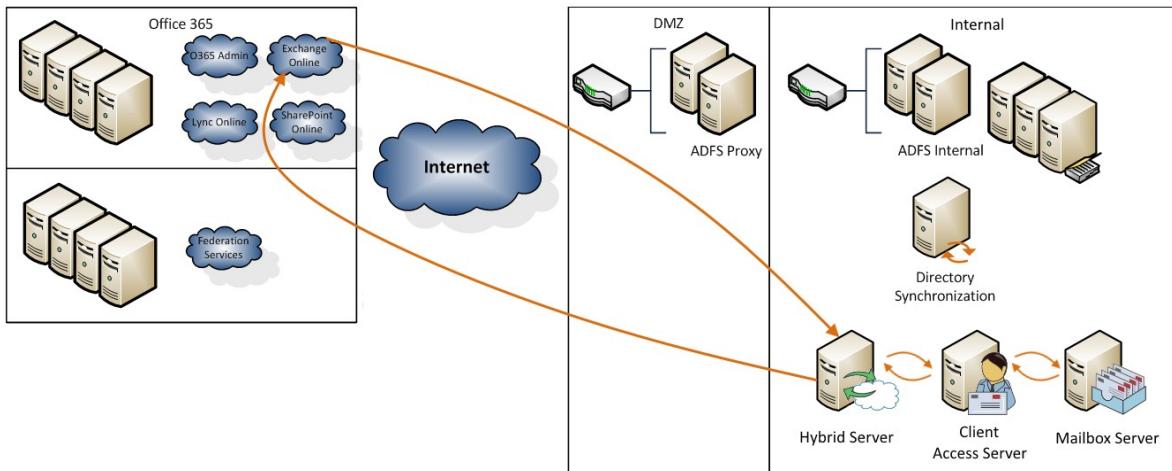
Users		User Groups	Distribution Groups				
Name	Logon name	File History	Anywhere Access	Access level	Status	Microsoft online account	
Administrator (1)							
localadmin	localadmin	Managed		Administrator	Active		
Standard user (7)							
Andy Waters	AndyWaters	Managed		Standard user	Active	AndyWaters@office365lab.co.uk	
Fay Williams	FayWilliams	Managed		Standard user	Active	FayWilliams@office365lab.co.uk	
Ian Waters	IanWaters	Managed		Standard user	Active	IanWaters@office365lab.co.uk	
Michael Freeman	MichaelFreeman	Managed		Standard user	Active	MichaelFreeman@office365lab.co.uk	
Nic Horrocks	NicHorrocks	Managed		Standard user	Active	NicHorrocks@office365lab.co.uk	
Peter Smith	PeterSmith	Managed		Standard user	Active	PeterSmith@office365lab.co.uk	
Tom Owers	TomOwers	Managed		Standard user	Active	TomOwers@office365lab.co.uk	

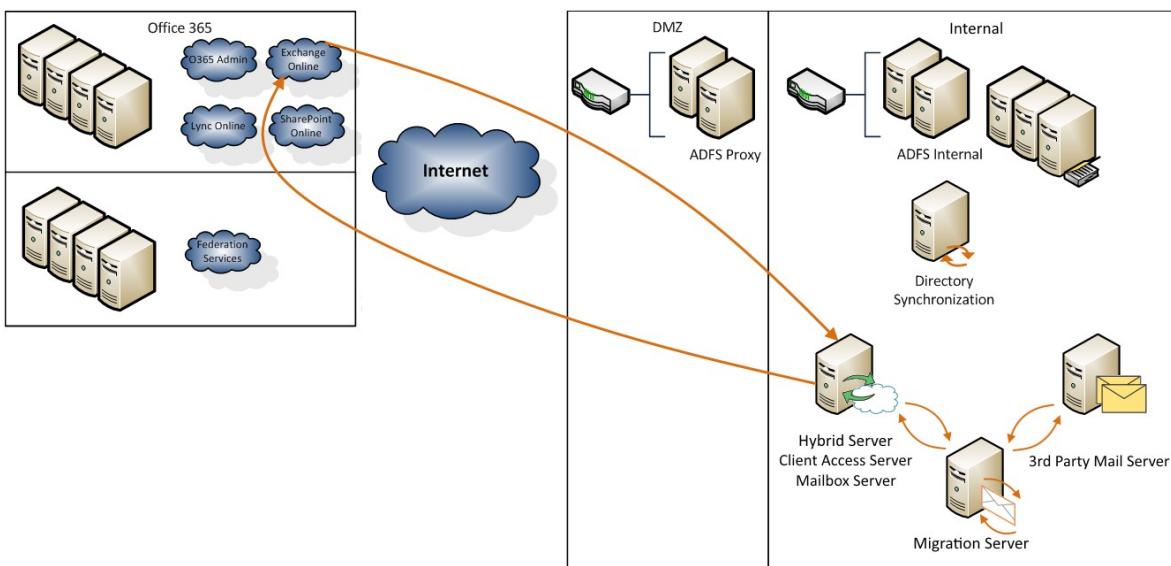
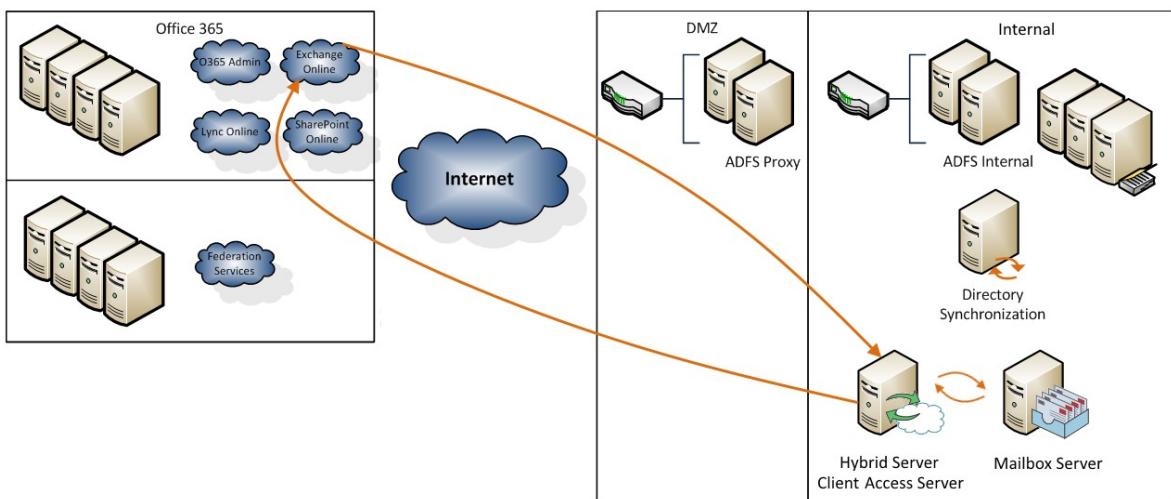
# Chapter 4: Integration Options for Midsize and Enterprise Organizations











# Chapter 5: Preparing for a Simple Migration

## Microsoft® Remote Connectivity Analyzer

Select the test you want to run.

Exchange Server SfB / Lync Office 365 Client Message Analyzer

**Microsoft Exchange ActiveSync Connectivity Tests**  
 Exchange ActiveSync  
 Exchange ActiveSync Autodiscover

**Microsoft Exchange Web Services Connectivity Tests**  
 Synchronization, Notification, Availability, and Automatic Replies  
 Service Account Access (Developers)

**Microsoft Office Outlook Connectivity Tests**  
 Outlook Connectivity  
 Outlook Autodiscover

**Internet Email Tests**  
 Inbound SMTP Email  
 Outbound SMTP Email  
 POP Email  
 IMAP Email

## Microsoft® Remote Connectivity Analyzer

**Outlook Connectivity**

Email address:

Domain\User Name (or UPN):

Password:

Confirm password:

Use Autodiscover to detect server settings  
 Manually specify server settings

RPC proxy server:

Exchange server:

Mutual authentication principal name:

RPC proxy authentication method:

I understand that I must use the credentials of a working account from my Exchange domain to be able to test connectivity to it remotely. I also acknowledge that I am responsible for the management and security of this account.

Microsoft®  
Remote Connectivity Analyzer



Connectivity Test Successful with Warnings

Test Details

Start Over Run Test Again

Expand All

Testing Outlook connectivity.

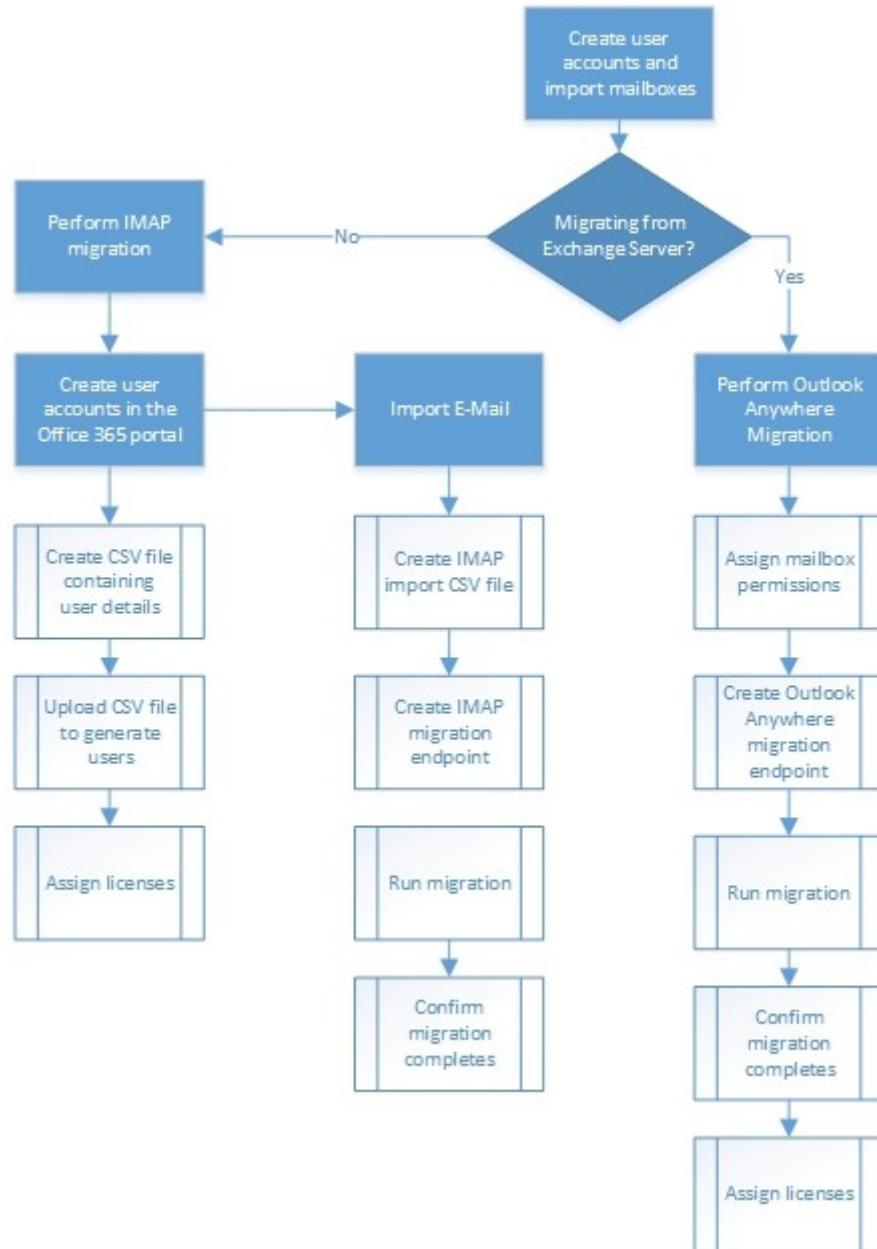
The Outlook connectivity test completed successfully.

- ▷ Additional Details
- ▷ Test Steps

Start Over Run Test Again

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# Chapter 6: Performing a Simple Migration



Screenshot of the Office 365 Admin center showing the 'Active users' page. The 'Users' menu item is highlighted with a red box. The 'More' dropdown menu is open, showing options like 'Import multiple users' (which is also highlighted with a red box), 'Delete a user', 'Reset a password', 'Refresh', 'Setup Azure multi-factor auth', and 'Directory synchronization'.

## Import multiple users

X

Create and upload the file

Set user options

View your results

### Create and upload the file

In this step, download one of the CSV files below, save the file, and use Excel or another app to add your users' information. Then you can come back here, upload the file and verify that you've got it filled out correctly.

[Learn more about importing multiple users](#)

[Download a CSV file with headers only](#)

[Download a CSV file with headers and sample user information](#)

Browse to upload

**Browse**

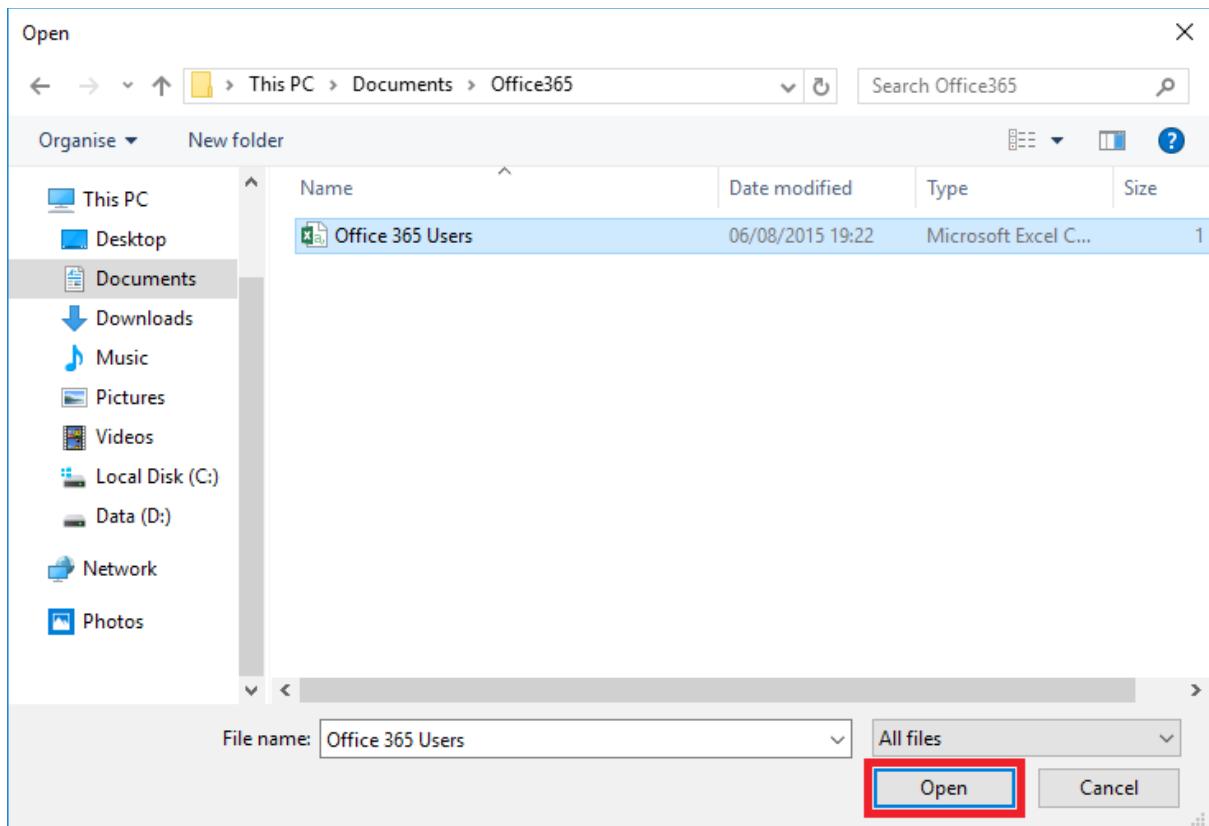
Verify

Next

**Cancel**

Office 365 Users.csv - Notepad

```
User Name,First Name,Last Name,Display Name,Job Title,Department,Office Numbe
ian@office365lab.co.uk,Ian,Waters,Ian Waters,,,,,,,,,,,
michael@office365lab.co.uk,Michael,Freeman,Michael Freeman,,,,,,,,,,,
andy@office365lab.co.uk,Andy,Waters,Andy Waters,,,,,,,,,,,
nic@office365lab.co.uk,Nic,Horrocks,Nic Horrocks,,,,,,,,,,,
tom@office365lab.co.uk,Tom,Owers,Tom Owers,,,,,,,,,,,
fay@office365lab.co.uk,Fay,Williams,Fay Williams,,,,,,,,,,,
rebecca@office365lab.co.uk,Rebecca,Creade,Rebecca Creade,,,,,,,,,,,
```



## Import multiple users



Create and upload the file



Set user options



View your results

### Create and upload the file

In this step, download one of the CSV files below, save the file, and use Excel or another app to add your users' information. Then you can come back here, upload the file and verify that you've got it filled out correctly.

[Learn more about importing multiple users](#)

↓ Download a CSV file with headers only

↓ Download a CSV file with headers and sample user information

Office 365 Users.csv

Browse

Verify

✓ Your file looks good. Click or tap Next.

Next

Cancel

## Import multiple users



Create and upload the file



Set user options



View your results

### Set user options

Choose how you want users to be imported by setting the sign-in status and the product license that will be assigned to the users.

#### Sign-in status

- Sign-in allowed
- Sign-in blocked

Product licenses

Assign a product license



#### Location

United Kingdom



Office 365 Enterprise E3

7 of 7 licenses available



[Back](#)

[Next](#)

[Cancel](#)

## Import multiple users



Create and upload the file



Set user options



View your results

### View your results

Here are your results reports. You can either download and save them, or email them to yourself and others.

7 users created

[Download results](#)

Email the results files to these people

Recipients \*

cloudadmin@Office365LabA.onmicrosoft.com



If you choose to send these files by email, the passwords will be sent in plain text.

[Send and close](#)

Office 365 Admin center

Home > Active users

AW Andy Waters  
andy@office365lab.co.uk

Add a user More Filters A

Display name ↗

	User name	Action
Andy Waters	andy@office365lab.co.uk	Edit
CloudAdmin	Product licenses: Office 365 Enterprise E3	Edit
Fay Williams	Group memberships (0): No groups for the user. Click edit to change group membership.	Edit
Ian Waters	Sign-in status: Sign-in allowed	Edit
Michael Freeman	Office installs: View and manage which devices this person has Office apps installed on.	Edit
Nic Horrocks	Roles: User (no admin access)	Edit
Rebecca Creasey	Mailbox permissions: We are preparing a mailbox for this user.	Edit
Tom Owers	Email forwarding: We are preparing a mailbox for this user.	Edit
	Email apps: We are preparing a mailbox for this user.	Edit
	Display name: Andy Waters	Edit
	Office phone:	

IMAP User Accounts.csv - Notepad

File Edit Format View Help

EmailAddress	UserName	Password
michael@office365lab.co.uk	michael	j@k1K33ws
ian@office365lab.co.uk	ian	Kdks23d@#
andy@office365lab.co.uk	andy	YUu#2yu3
tom@office365lab.co.uk	tom	Akdki3#3j
nic@office365lab.co.uk	nic	AJ@LWe32
fay@office365lab.co.uk	fay	LLkdsk.#39
rebecca@office365lab.co.uk	rebecca	Lkd.o3jjd

Office 365 Admin center

Home > Active users

Add a user More Filters All users Search Export

	Display name	User name	Status
<input type="checkbox"/>	Andy Waters	andy@office365lab.co.uk	Office 365 Enterprise E3
<input type="checkbox"/>	CloudAdmin	cloudadmin@Office365LabA.onmicrosoft.com	Office 365 Enterprise E3
<input type="checkbox"/>	Fay Williams	fay@office365lab.co.uk	Office 365 Enterprise E3
<input type="checkbox"/>	Ian Waters	ian@office365lab.co.uk	Office 365 Enterprise E3
<input type="checkbox"/>	Michael Freeman	michael@office365lab.co.uk	Office 365 Enterprise E3
<input type="checkbox"/>	Nic Horrocks	nic@office365lab.co.uk	Office 365 Enterprise E3
<input type="checkbox"/>	Rebecca Creasey	rebecca@office365lab.co.uk	Office 365 Enterprise E3
<input type="checkbox"/>	Tom Owers	tom@office365lab.co.uk	Office 365 Enterprise E3

Home Users Groups Resources Billing Support Settings Reports Health Admin centers Exchange Skype for Business

Office 365 Admin

## Exchange admin center

dashboard

Welcome

recipients

permissions

compliance management

organization

protection

mail flow

recipients

mailboxes

groups

resources

contacts

shared

**migration**



Office 365

Admin

## Exchange admin center

[dashboard](#)[mailboxes](#) [groups](#) [resources](#) [contacts](#) [shared](#) [migration](#)

### recipients

[permissions](#)[compliance management](#)[organization](#)[protection](#)Click to view the status for all current migration batches. [Status for all batches](#)

NAME	SYNCED	FINAL...	FAILED
There are no items to show in this view.			

## migration endpoints

Migration endpoints are management objects that describe the remote server and the connections that can be associated with one or more batches. [Learn more](#)



NAME	Type	Associated administrator
0 selected of 0 total		

[Close](#)

## new migration endpoint

Select the migration endpoint type

The type of migration endpoint to create depends on the migration type you use to migrate mailboxes. Select Exchange Remote for migrating mailboxes to and from Exchange Online in a hybrid deployment. Select Outlook Anywhere for migrating mailboxes to Exchange Online using a cutover or staged Exchange migration. Select IMAP for IMAP migrations. [Learn more](#)

- Exchange Remote
- Outlook Anywhere
- IMAP

[Next](#)

[Cancel](#)

## new migration endpoint

IMAP migration configuration

Enter the connection settings for the server you want to migrate email from. These settings will be used for other IMAP migration batches. [Learn more](#)

\*IMAP server:

mail.office365lab.co.uk

This is the FQDN of the server that hosts the mailboxes that you're migrating.

Authentication:

Basic

Encryption:

SSL

\*Port:

993

[Back](#)

[Next](#)

[Cancel](#)

## new migration endpoint

Enter general information

Enter the value for the general information for the migration endpoint that'll be applied to the associated migrations. [Learn more](#)

\*Migration endpoint name:

IMAP Server Migration

Maximum concurrent migrations:

10

Maximum concurrent incremental syncs:

10

Back

new

Cancel

## migration endpoints

Migration endpoints are management objects that describe the remote server and the connections that can be associated with one or more batches. [Learn more](#)

The screenshot shows a table with the following columns: NAME, Type, and Associated administrator. One row is selected, highlighted in dark grey, representing an 'IMAP Server Migration' endpoint. The 'Type' column shows 'IMAP'. A message at the bottom indicates '1 selected of 1 total'.

NAME	Type	Associated administrator
IMAP Server Migration	IMAP	

IMAP Server Migration

IMAP server: mail.office365lab.co.uk  
Port: 993  
Maximum concurrent migrations: 10

[Close](#)

The screenshot shows the Exchange admin center interface. The top navigation bar includes 'Office 365' and 'Admin'. The left sidebar under 'recipients' lists: dashboard, permissions, compliance management, organization, protection, mail flow, and mobile. The main content area shows a table for migration batches. A red box highlights the 'Migrate to Exchange Online' button in the toolbar above the table. The table has columns: TOTAL, SYNCED, FINALI..., and FAILED. A note below the table says 'ems to show in this view.'

Office 365 Admin

Exchange admin center

dashboard    mailboxes    groups    resources    contacts    shared    [migration](#)

**recipients**

permissions  
compliance management  
organization  
protection  
mail flow  
mobile

Click to view the status for all current migration batches. [Status for all batches](#)

**Migrate to Exchange Online**

TOTAL	SYNCED	FINALI...	FAILED

ems to show in this view.

## new migration batch

### Select a migration type

The migration type to use depends on your existing email system, how many mailboxes you want to migrate, and whether you plan to maintain some mailboxes in your on-premises organization or migrate them all to the cloud. You'll also want to consider how long the migration will take and whether user identity will be managed in your on-premises organization or in Office 365.

[Learn more](#)

- Remote move migration (supported by Exchange Server 2010 and later versions)
- Staged migration (supported by Exchange Server 2003 and Exchange Server 2007 only)
- Cutover migration (supported by Exchange Server 2003 and later versions)
- IMAP migration (supported by Exchange and other email systems)

Select this to copy the contents of user mailboxes from an IMAP messaging system to Exchange Online. The Exchange Online mailboxes must be provisioned before you can migrate email data using an IMAP migration.

[Learn more](#)

[Next](#)

[Cancel](#)

## new migration batch

### Select the users

Use a CSV file to specify the mailboxes you'd like to migrate.

[Learn more](#)

Specify the users with a CSV file

- Allow unknown columns in the CSV file
- IMAP User Accounts.csv
- [change](#)

7 mailboxes to migrate

[Back](#)

[Next](#)

[Cancel](#)

## new migration batch

### IMAP migration configuration

Enter the connection settings for the server you want to migrate email from. These settings will be used for other IMAP migration batches. [Learn more](#)

\*IMAP server:

Authentication:

Encryption:

\*Port:

## new migration batch

Move configuration

These configuration settings will be applied to the new batch. [Learn more](#)

\*New migration batch name:

IMAP User Accounts

Exclude folders:

Exclude Folder	+
Deleted Items	

Back

Next

Cancel

## new migration batch

Start the batch

A new migration batch will be created after you click new.

[Learn more](#)

\*After the batch is complete, a report will be sent to the following recipients. You must select at least one recipient to receive this report.

CloudAdmin

X

[Browse...](#)

Please select the preferred option to start the batch:

- Manually start the batch later (by selecting it in the migration dashboard and then clicking Start)
- Automatically start the batch

Back

[new](#)

Cancel



Office 365

Admin



## Exchange admin center

dashboard

mailboxes groups resources contacts shared migration

## recipients

permissions

compliance management

organization

protection

mail flow

mobile

public folders

Click to view the status for all current migration batches. [Status for all batches](#)

NAME	STATUS	TOTAL	SYNCED	FINAL...	FAILED	
IMAP User Accounts	Syncing	7	0	0	0	

## IMAP User Accounts

Type: IMAP  
Direction: Onboarding  
Status: Syncing

## Mailbox status

Synced mailboxes: 0 of 7  
Finalized mailboxes: 0 of 7  
Failed mailboxes: 0

## IMAP User Accounts



IDENTITY	▲ STATUS	ITEMS SYNCED	ITEMS SKIPPED
andy@office365lab.co.uk	Synced	2	0
fay@office365lab.co.uk	Synced	2	0
ian@office365lab.co.uk	Synced	7	0
michael@office365lab.co.uk	Synced	2	0
nic@office365lab.co.uk	Synced	3	0
rebecca@office365lab.co.uk	Synced	7	0
tom@office365lab.co.uk	Synced	3	0

1 selected of 7 total

The screenshot shows the Microsoft Outlook web interface. The top navigation bar includes icons for Home, Office 365, and Outlook, along with notification and settings icons. The main content area has a left sidebar with 'Folders' (Inbox selected), 'Groups' (with a 'New' button), and links for Sent Items, Drafts, and More. The inbox list shows two messages: one from 'Rebecca Creasey' about an 'Office Plan' meeting and another from 'Rebecca Creasey' about 'Contracts'. The message from 'Rebecca Creasey' about the 'Office Plan' is selected, showing its details: subject 'Office Plan', date 'Tue 04/08/2015 19:49', and body text 'Hi Everyone, We are meeting in the coffee s...'. The message list also shows a preview of the second message from 'Rebecca Creasey' about contracts. The right pane displays the selected message's full content, including the recipient list ('To: Andy Waters, Fay Williams, Ian Waters, Michael Freeman, Nic Horrocks, Rebecca Creasey, Tom Owers'), the body text 'Hi Everyone,' followed by a larger block of text about the office meeting, and the signature 'Rebecca Creasey'.

Office 365 | Outlook

New

INBOX Conversations by Date

All Unread To me Flagged

Tuesday

**Rebecca Creasey**

Office Plan Tue 19:49

Hi Everyone, We are meeting in the coffee s...

**Rebecca Creasey**

Contracts Tue 19:48

Hi Everyone, Please sign your contracts and...

**Office Plan**

Rebecca Creasey

Tue 04/08/2015 19:49

To:  Andy Waters;  Fay Williams;  Ian Waters;  Michael Freeman;  Nic Horrocks;  Rebecca Creasey;  Tom Owers;

Hi Everyone,

We are meeting in the coffee shop at 3pm later today to discuss or plans for the office.

Thanks

Rebecca Creasey

The screenshot shows the Microsoft Office 365 Outlook web interface. The top navigation bar includes the Office 365 logo, the word "Office 365", and the "Outlook" tab. On the left, there's a sidebar with sections for "Folders" (Inbox, Sent Items, Drafts, More), "Groups" (with a "New" button and a descriptive text about groups), and a search bar. The main content area is the "INBOX", sorted by "Conversations by Date". It shows several emails from "Ian Waters" and "Rebecca Creasey". The first email from Ian is about arranging access to a building and has two attachments. The second email from Ian is about migration completion. The third email from Rebecca is about an office plan meeting.

From	Subject	Date
Ian Waters	Arranging access to building	Fri 12:27
Ian Waters	Migration Completed	Fri 8:06
Rebecca Creasey	Office Plan	Tue 19:49

new migration endpoint

Select the migration endpoint type

The type of migration endpoint to create depends on the migration type you use to migrate mailboxes. Select Exchange Remote for migrating mailboxes to and from Exchange Online in a hybrid deployment. Select Outlook Anywhere for migrating mailboxes to Exchange Online using a cutover or staged Exchange migration. Select IMAP for IMAP migrations.

[Learn more](#)

- Exchange Remote
- Outlook Anywhere
- IMAP

[Next](#)

[Cancel](#)

new migration endpoint  
Enter on-premises account credentials

Enter the email address of one of the users whose on-premises mailbox will be migrated using this endpoint. Also enter the name and password for an on-premises user account that has administrative privileges to perform the migration. This information will be used to detect the migration endpoint and test the connectivity to the user mailbox. [Learn more](#)

Email address:

Account with privileges  
(domain\user name):

Password of account with privileges:

## new migration endpoint

### Confirm the migration endpoint

The connection settings for this migration batch have been automatically selected based on the migration endpoints created in your organization. [Learn more](#)

 We couldn't detect your server settings. Please enter them. The migration service failed to detect the migration endpoint using the Autodiscover service. Consider using the Exchange Remote Connectivity Analyzer (<https://testexchangeconnectivity.com>) to diagnose the connectivity issues.

\*Exchange server:

mail.office365lab.co.uk

\*RPC proxy server:

mail.office365lab.co.uk

Authentication:

NTLM ▾

Mailbox Permission:

Domain Admin ▾

Skip verification

Back

Next

Cancel

## new migration endpoint

Enter general information

Enter the value for the general information for the migration endpoint that'll be applied to the associated migrations. [Learn more](#)

\*Migration endpoint name:

On-Prem Exchange

Maximum concurrent migrations:

10

Maximum concurrent incremental syncs:

10

x

Back

new

Cancel

## new migration batch

### Select a migration type

The migration type to use depends on your existing email system, how many mailboxes you want to migrate, and whether you plan to maintain some mailboxes in your on-premises organization or migrate them all to the cloud. You'll also want to consider how long the migration will take and whether user identity will be managed in your on-premises organization or in Office 365.

[Learn more](#)

- Remote move migration (supported by Exchange Server 2010 and later versions)
- Staged migration (supported by Exchange Server 2003 and Exchange Server 2007 only)
- Cutover migration (supported by Exchange Server 2003 and later versions)
- IMAP migration (supported by Exchange and other email systems)

Select this option to migrate all your on-premises mailboxes to Exchange Online over a few days. All the mailboxes will be migrated in a single batch and user identity will be managed in Office 365 after the cutover migration. A maximum of 2,000 mailboxes can be migrated using this option. If you want to migrate more than 2,000 mailboxes, use the staged or remote migration options.

[Learn more](#)

[Next](#)

[Cancel](#)

## On-Prem to Office 365 Migration



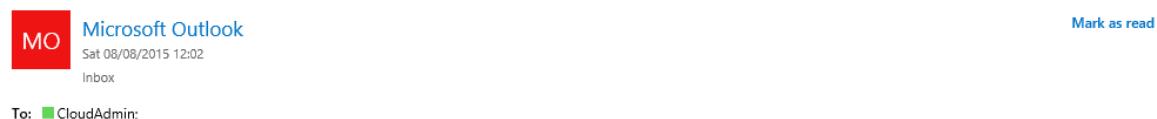
IDENTITY	▲ STATUS	ITEMS SYNCED	ITEMS SKIPPED	
Administrator@office365lab.co.uk	Provisioning	0	0	Administrator@office365lab.co.uk
Andy@office365lab.co.uk	Provisioning	0	0	Status: Provisioning
Fay@office365lab.co.uk	Provisioning	0	0	<a href="#">Skipped item details</a>
Ian@office365lab.co.uk	Provisioning	0	0	Data migrated: Migration rate: Error: Report: <a href="#">Download the report for this user</a>
info@office365lab.co.uk	Provisioning	0	0	Last successful sync date:
jack@porteraccountants.com	Provisioning	0	0	<a href="#">More Details...</a>
Michael@office365lab.co.uk	Provisioning	0	0	
Nic@office365lab.co.uk	Provisioning	0	0	
orders@office365lab.co.uk	Provisioning	0	0	
peter@smithdesigns.com	Provisioning	0	0	
Rebecca@office365lab.co.uk	Provisioning	0	0	
Tom@office365lab.co.uk	Provisioning	0	0	

1 selected of 12 total

[Close](#)

Migration batch On-Prem to Office 365 Migration has finished initial sync

Reply Reply all Forward ...



[Click here to download the success report. You may be required to sign in.](#)

*ⓘ You have to assign a license to each new mailbox in Office 365 before it's available to the user. [Learn more about licensing requirements](#)*

The screenshot shows the 'Active users' page in the Office 365 Admin center. The left sidebar is expanded, showing 'Users' selected. The main area displays a list of active users with columns for 'Display name', 'User name', and 'Status'. A 'Bulk actions' sidebar on the right shows 8 users selected and provides options like 'Edit product licenses' (which is highlighted with a red box).

Display name	User name	Status
Andy Waters	andy@office365lab.co.uk	Office 365 Enterprise E3
CloudAdmin	cloudadmin@Office365LabA.onmicrosoft.com	Office 365 Enterprise E3
Fay Williams	fay@office365lab.co.uk	Office 365 Enterprise E3
Ian Waters	ian@office365lab.co.uk	Office 365 Enterprise E3
Michael Freeman	michael@office365lab.co.uk	Office 365 Enterprise E3
Nic Horrocks	nic@office365lab.co.uk	Unlicensed
Rebecca Creasey	rebecca@office365lab.co.uk	Unlicensed
Tom Owers	tom@office365lab.co.uk	Unlicensed

## Replace existing products

8 users selected

Select product licenses you want to replace for selected users

Location

[No change]



Office 365 Enterprise E3



Microsoft Planner



Sway



Mobile Device Management for Office 365  
(These licenses do not need to be individually assigned)



Yammer Enterprise



Azure Rights Management



Office 365 ProPlus



Skype for Business Online (Plan 2)



Office Online



SharePoint Online (Plan 2)



Exchange Online (Plan 2)



This product configuration will replace 8 people's existing products.



Remove all product licenses from the selected users. They may have limited or no access to Office 365 until you assign product licenses again.

Back

Replace

Cancel

Office 365 Admin center

Home > Active users

Add a user More Filters A

Display name ▾

	Display name	Action
<input checked="" type="checkbox"/>	Andy Waters	
<input type="checkbox"/>	CloudAdmin	
<input checked="" type="checkbox"/>	Fay Williams	
<input checked="" type="checkbox"/>	Ian Waters	
<input checked="" type="checkbox"/>	Michael Freeman	
<input checked="" type="checkbox"/>	Nic Horrocks	
<input checked="" type="checkbox"/>	Rebecca Creasey	
<input checked="" type="checkbox"/>	Tom Owers	

Reset passwords  
7 users selected

Password Auto-generated

Make this user change their password when they first sign in

**Reset** **Cancel**

Home Users Active users Contacts Deleted users Data migration Groups Resources

The screenshot shows the 'Reset passwords' dialog in the Office 365 Admin center. It lists seven users: Andy Waters, CloudAdmin, Fay Williams, Ian Waters, Michael Freeman, Nic Horrocks, and Rebecca Creasey. Each user has a checkbox next to their name, and all are checked. There is also a global checkbox at the top left of the list. To the right of the list, there are two columns: 'Password' and 'Auto-generated'. Below these columns is a checkbox labeled 'Make this user change their password when they first sign in', which is checked. At the bottom right of the dialog are two buttons: 'Reset' (highlighted with a red box) and 'Cancel'.

# Chapter 7: Preparing for a Hybrid Deployment and Migration

The screenshot shows the Office 365 Admin center interface. On the left, there is a navigation sidebar with various links: Home, Users, Groups, Resources, Billing, Support, Settings, Domains (which is highlighted with a red box), Organization profile, and Partner relationships. The main content area is titled "Home > Domains". At the top right of this area, there is a button labeled "+ Add domain" which is also highlighted with a red box. Below this, a table lists domains: "Office365LabA.onmicrosoft.com (Default)" with a status of "Setup complete".

The screenshot shows the "New Domain" wizard. The title bar says "Home > Domains" and "New Domain". The main title is "Add a domain". Below it, there is a progress bar with four steps: "Add a domain" (blue dot), "Verify domain" (grey dot), "Set up your online services" (grey dot), and "Update DNS settings" (grey dot). A text input field contains the domain name "office365lab.co.uk". At the bottom, there are two buttons: "Next" and "Save and close".

The screenshot shows the Microsoft 365 domain verification process. At the top, there's a green circular icon with a white letter 'O' and the text 'office365lab.co.uk'. Below this, a navigation bar has four items: 'Add a domain' (with a checkmark), 'Verify domain' (with a blue dot), 'Set up your online services' (with a grey dot), and 'Update DNS settings' (with a grey dot). The main section is titled 'Verify domain'.

## Verify domain

To keep your domain secure, we need you to prove that you own it. Adding the record below will prove that you own the domain, but it won't affect your existing email or other services.

Follow these [step-by-step instructions](#) to add the TXT records with the values below at your registrar, your DNS host. [🔗 \(Not your registrar?\)](#)

Verify by: [TXT record](#) [MX Record](#)

**TXT name:** @

**TXT value:** MS=ms84494767

**TTL:** 3600

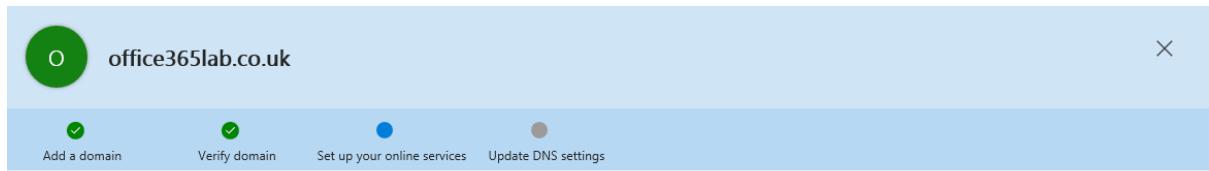
[Verify](#)

[Back](#)

[Save and close](#)

TXT Records (1) <a href="#">?</a>		<a href="#">Add TXT Record</a>
Host Name	Value	
	MS=ms20342594	<a href="#">Edit</a> <a href="#">Remove</a>

**⚠️** We didn't find the record you added for office365lab.co.uk. If you just added this record please allow 5 to 10 minutes for the change to be replicated through the system, sometime it can take significantly longer depending on your registrar.



## Set up your online services

To set up your online services, you'll need to add one or more DNS records to your host.

**Set up my online services for me. (Recommended)**

Next, you'll update your name server DNS records to give Office 365 permission to set up the rest of your online services. This option is recommended if your domain doesn't have an existing website.

**I'll manage my own DNS records.**

We will provide a list of DNS records that you will need to add to your domain at your registrar.

Next

Back

Save and close

office365lab.co.uk

Add a domain Verify domain Set up your online services **Update DNS settings**

## Update DNS settings

Add DNS records for office365lab.co.uk at your registrar your DNS host. [🔗 \(Not your registrar?\)](#)

^ MX Records [step-by-step instructions](#)

	Priority	Host name	Points to address or value	TTL
Expected	0	@	office365lab-co-uk.mail.protection.outlook.com	3600

^ CNAME Records [step-by-step instructions](#)

	Host name	Points to address or value	TTL
Expected	autodiscover	autodiscover.outlook.com	3600
Expected	sip	sipdir.online.lync.com	3600
Expected	lyncdiscover	webdir.online.lync.com	3600
Expected	msoid	clientconfig.microsoftonline-p.net	3600
Expected	enterpriseregistration	enterpriseregistration.windows.net	3600
Expected	enterpriseenrollment	enterpriseenrollment.manage.microsoft.com	3600

^ SRV Records [step-by-step instructions](#)

	Service	Protocol	Port	Weight	Priority	TTL	Name	Target
Expected	_sip	_tls	443	1	100	3600	@	sipdir.online.lync.com
Expected	_sipfederationtls	_tcp	5061	1	100	3600	@	sipfed.online.lync.com

^ TXT Records [step-by-step instructions](#)

	TXT name	TXT value	TTL
Expected	@	v=spf1 include:spf.protection.outlook.com -all	3600

Skip this step - I have custom DNS records, so I'll add the records I need later. I understand that some Office 365 services may be unavailable until I manually add the records with my registrar.

**⚠️ Important:** After you successfully complete this step, all email will be redirected to the new Office 365 email addresses.

[Verify](#)

[Back](#)

[Exit](#)

office365lab.co.uk

Add a domain Verify domain Set up your online services **Update DNS settings**

## Update DNS settings

Congratulations! Your domain and email addresses are all set up.

This domain has been added! Any skipped DNS records will be shown as errors for this domain. Remember that some Office 365 services may be unavailable for users of this domain when DNS records are incorrect or missing.

[Finish](#)

Domain name	Status
 Office365LabA.onmicrosoft.com (Default)	Setup complete
 office365lab.co.uk	Setup complete



## Office 365 health, readiness, and connectivity checks

We'll look at how you're set up now and check for settings that might cause problems. Our results will identify possible issues and suggest changes you can make to have the best experience with Office 365.

Select how we should run our checks and then click Next to get started.

- Quick (basic checks that complete in just a few minutes)
- Advanced (detailed checks that can take up to an hour to run, including checks for enterprise scenarios such as directory synchronization)

Next

Cancel

**Find Custom Search**

File Edit View

Find: Custom Search In: office365lab.local Browse...

Custom Search Advanced

Enter LDAP query:

```
proxyAddresses=smtp:*@office365lab.co.uk
```

Find Now Stop Clear All

Search results:

Name	Type	Description
Tom Owers	User	
Nic Horrocks	User	
Marketing	Group	
Ian Waters	User	
Human Resources	Group	
Finance	Group	
Fay Williams	User	
Andy Waters	User	

< >

8 item(s) found

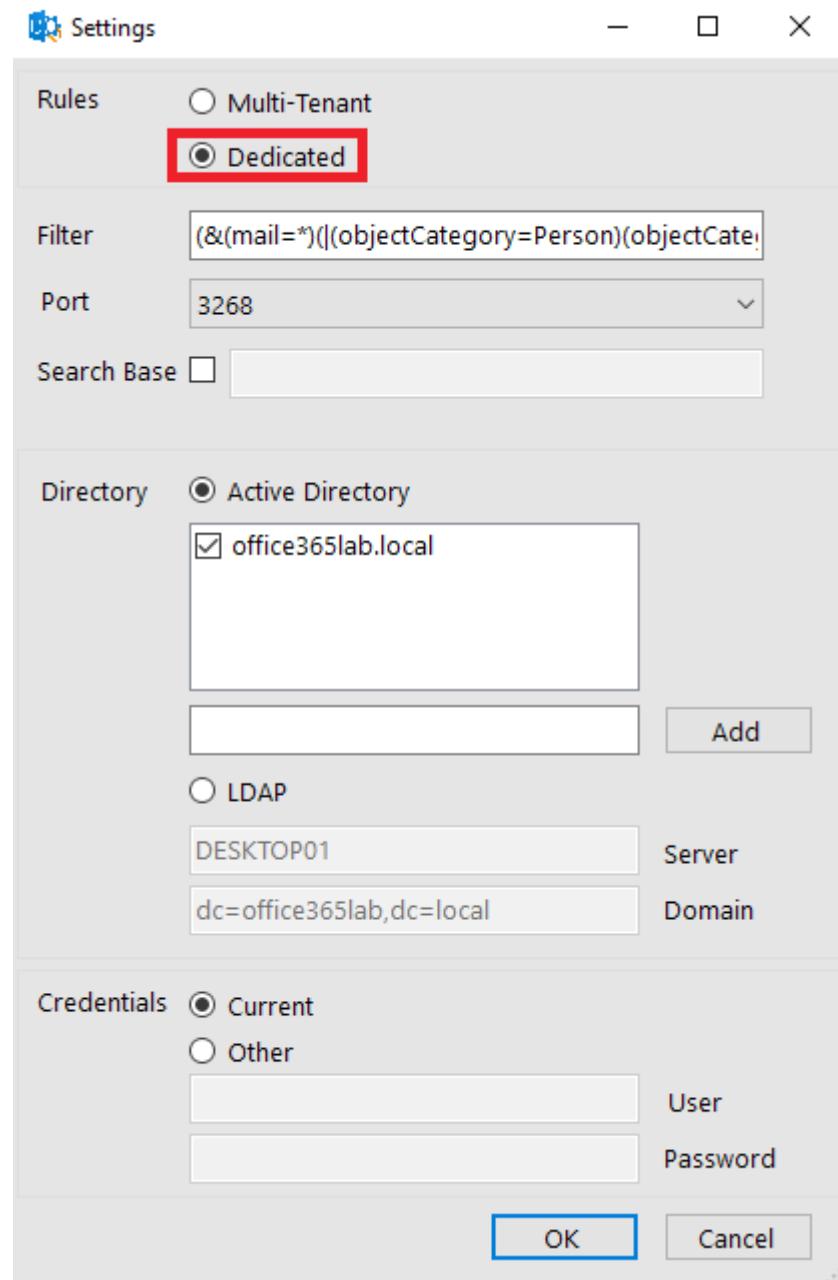
This screenshot shows the 'Find Custom Search' application interface. At the top, there's a menu bar with File, Edit, and View. Below that is a search bar with 'Find: Custom Search' and 'In: office365lab.local'. There are also 'Browse...' and 'Advanced' buttons. The main area has tabs for 'Custom Search' (selected) and 'Advanced'. A text input field contains the LDAP query 'proxyAddresses=smtp:\*@office365lab.co.uk'. To the right are buttons for 'Find Now', 'Stop', and 'Clear All', along with a magnifying glass icon. Below this is a section titled 'Search results:' containing a table with columns Name, Type, and Description. The table lists eight entries: Tom Owers (User), Nic Horrocks (User), Marketing (Group), Ian Waters (User), Human Resources (Group), Finance (Group), Fay Williams (User), and Andy Waters (User). At the bottom, it says '8 item(s) found'.

IdFix version 1.09

Office 365 Query Cancel Accept Apply Export Import Undo

DISTINGUISHEDNAME	OBJECTCLASS	ATTRIBUTE	ERROR	VALUE	UPDATE	ACTION
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This screenshot shows the IdFix application interface. At the top, it says 'IdFix version 1.09' and 'Office 365'. Below that is a toolbar with buttons for Query, Cancel, Accept, Apply, Export, Import, Undo, and two icons (a gear and a smiley face). The main area features a table with columns: DISTINGUISHEDNAME, OBJECTCLASS, ATTRIBUTE, ERROR, VALUE, UPDATE, and ACTION. The first row of the table is currently empty.



IdFix version 1.09

Office 365

Query Cancel Accept **Apply** Export Import Undo

DISTINGUISHEDNAME	OBJECTCLASS	ATTRIBUTE	ERROR	VALUE	UPDATE	ACTION
CN=Finance,OU=Groups,O...	group	displayName	blank		Finance	EDIT
CN=Human Resources,OU...	group	displayName	blank		Human Resources	EDIT
CN=Ian Waters,OU=Users,...	user	mailNickname	blank		IanWaters	EDIT
CN=Ian Waters,OU=Users,...	user	targetAddress	blank		SMTP:ian.waters@office365lab.co.uk	EDIT
CN=Marketing,OU=Groups,...	group	displayName	blank		Marketing	EDIT
CN=Marketing,OU=Groups,...	group	mail	domainpart	marketing@office365lab#co.uk	marketing@office365lab.co.uk	EDIT

Query Count: 4 Error Count: 6

Office 365 Admin center

Home > Services & add-ins

+ Add an Office Add-in View All

Name ↴

- Azure multi-factor authentication Manage your settings for Azure multi-factor authentication
- Calendar Let people share their calendars with external users
- Community Let your users participate in the Office 365 community website
- Cortana Turn Cortana access on or off for your entire organization
- Directory Synchronization** Sync users to the cloud using Active Directory
- Integrated Apps Manage your Integrated Apps settings

Home Users Groups Resources Billing Support **Settings** Services & add-ins Security & privacy

## ↑↓ Directory Synchronization

### Active Directory preparation

Active Directory synchronization allows your company's administrators to continuously sync your existing on-premises user and group accounts with Azure Active Directory.

This option is pretty technical and isn't for everyone. Before setting up Active Directory synchronization, we'll run a few checks to better understand your environment and business needs.

[Go to the DirSync readiness wizard ↗](#)

[Close](#)

Office 365 Setup

## Let's check your directory

We'll scan your directory to discover how many objects you have to sync and which domains you're using now.

Step 1

Evaluate solution



Step 2

Verify domains



[Start scan](#)

Step 3

Set up Azure AD Connect



[◀ Back](#)

## Evaluating directory synchronization setup

Running diagnostics requires installing an app on your machine. This app assists in identifying any issues in your environment.

(Cancel will take you back to the previous page without diagnosis)

[Click here to learn what this feature does](#)

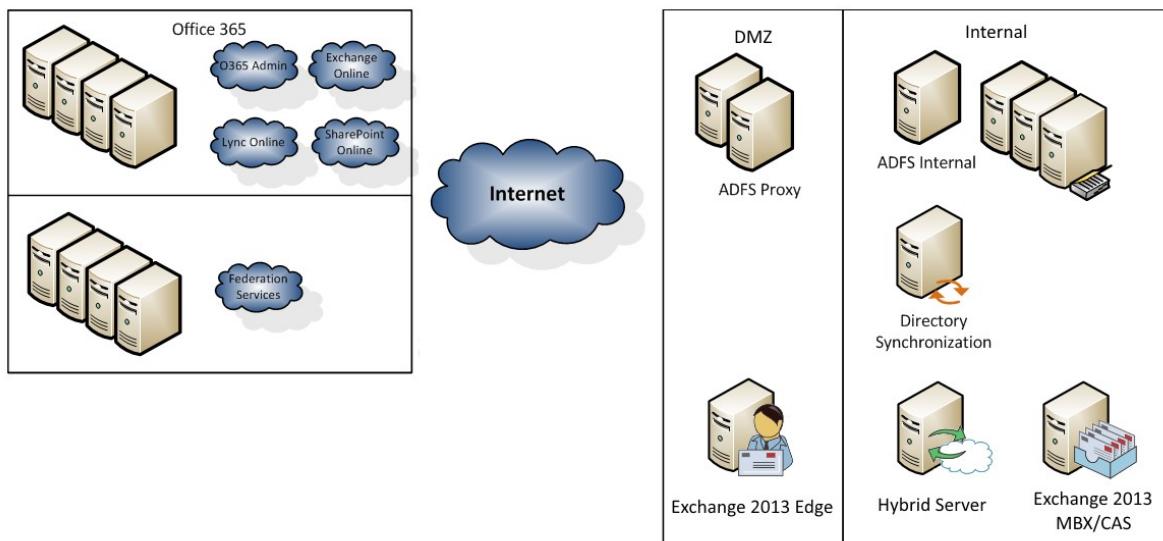
[Run checks](#)

[Cancel](#)

## Evaluation scan completed successfully, return to directory synchronization setup wizard

[All results](#) Issues

There are no items to show in this view.



## Bandwidth Calculator

Enter two values, push Calc on the missing third value!

Data Size		Time		Speed	
500 GB	<input type="text" value="95444 s"/>	<input type="text" value="26.5 h"/>	<input type="text" value="45 Mbps"/>		
<input type="button" value="Calc"/>	<input type="button" value="Calc"/>	<input type="button" value="Calc"/>	<input type="button" value="Calc"/>		
536,870,912,000 B bytes (default)	100,079,991,719.3 ns nanoseconds	100,079,991,719.3 ns nanoseconds	45,000,000 bps bits per second (default)		
524,288,000 KB kilobytes	97,734,366.9 ms milliseconds	97,734,366.9 ms milliseconds	45,000 Kbps kilo bits per second		
512,000 MB megabytes	95,443.7 s seconds (default)	95,443.7 s seconds (default)	45 Mbps mega bits per second		
500 GB gigabytes	1,590.7 m minutes	1,590.7 m minutes	5,625,000 Bps bytes per second		
0.5 TB terabytes	26.5 h hours	26.5 h hours	5,493.2 KBps kilobytes per second		
4,294,967,296,000 b bits	1.1 d days	1.1 d days	5.4 MBps megabytes per second		
4,194,304,000 Kb kilobits	0.2 w weeks	0.2 w weeks	27.8 T1 T1s		
4,096,000 Mb megabits			4.3 e10 10Mbps ethernet		
4,000 Gb gigabits			0.4 e100 100Mbps ethernet		
3.9 Tb terabits					

## Bandwidth Calculator

Enter two values, push Calc on the missing third value!

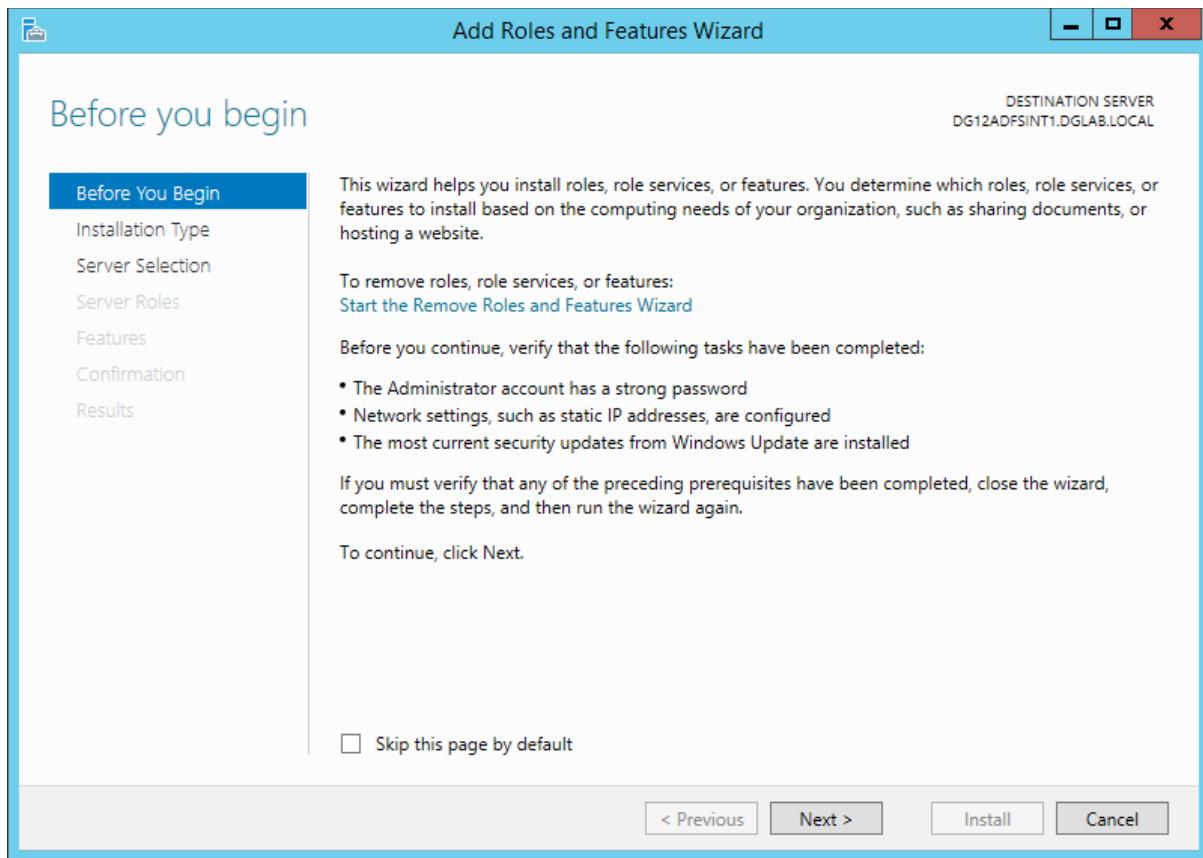
Data Size		Time		Speed	
500 GB	<input type="text" value="143166 s"/>	<input type="text" value="39.8 h"/>	<input type="text" value="30 Mbps"/>		
<input type="button" value="Calc"/>	<input type="button" value="Calc"/>	<input type="button" value="Calc"/>	<input type="button" value="Calc"/>		
536,870,912,000 B bytes (default)	150,119,987,579 ns nanoseconds	150,119,987,579 ns nanoseconds	30,000,000 bps bits per second (default)		
524,288,000 KB kilobytes	146,601,550.4 ms milliseconds	146,601,550.4 ms milliseconds	30,000 Kbps kilo bits per second		
512,000 MB megabytes	143,165.6 s seconds (default)	143,165.6 s seconds (default)	30 Mbps mega bits per second		
500 GB gigabytes	2,386.1 m minutes	2,386.1 m minutes	3,750,000 Bps bytes per second		
0.5 TB terabytes	39.8 h hours	39.8 h hours	3,662.1 KBps kilobytes per second		
4,294,967,296,000 b bits	1.7 d days	1.7 d days	3.6 MBps megabytes per second		
4,194,304,000 Kb kilobits	0.2 w weeks	0.2 w weeks	18.5 T1 T1s		
4,096,000 Mb megabits			2.9 e10 10Mbps ethernet		
4,000 Gb gigabits			0.3 e100 100Mbps ethernet		
3.9 Tb terabits					

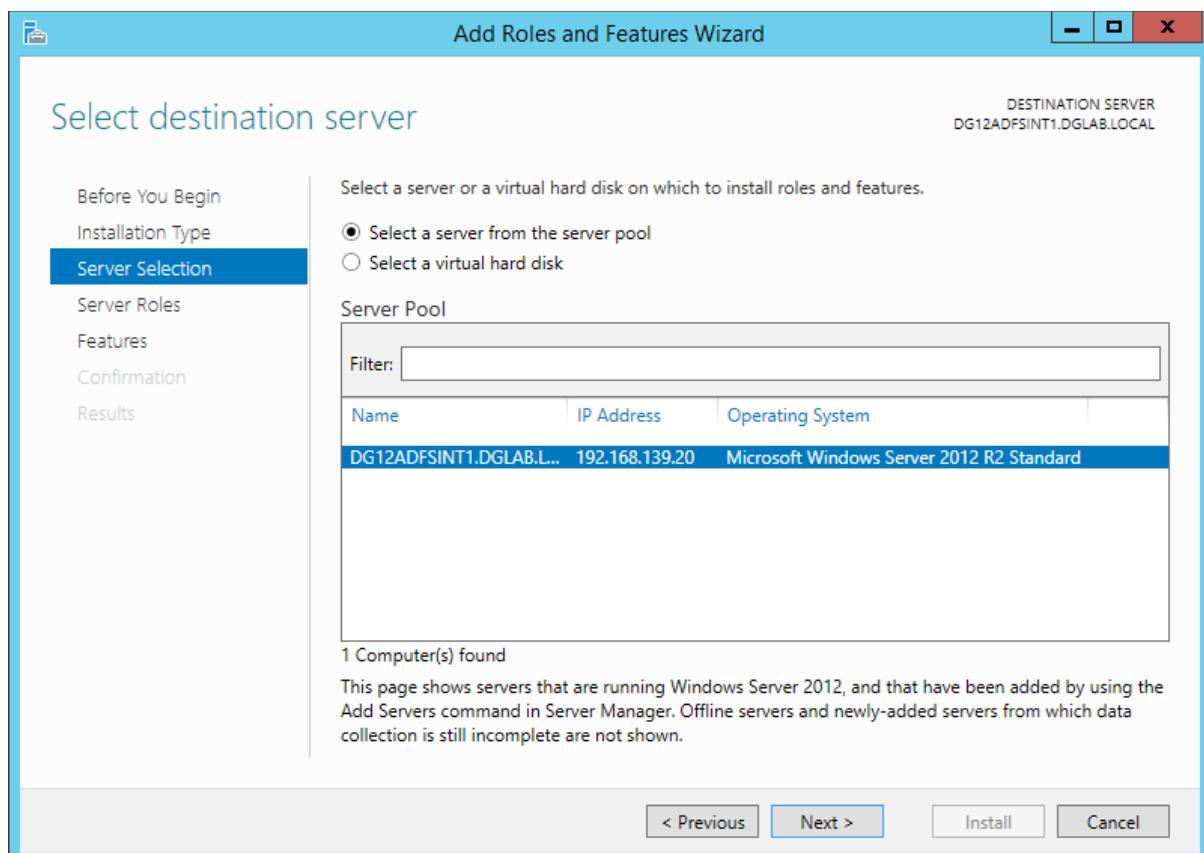
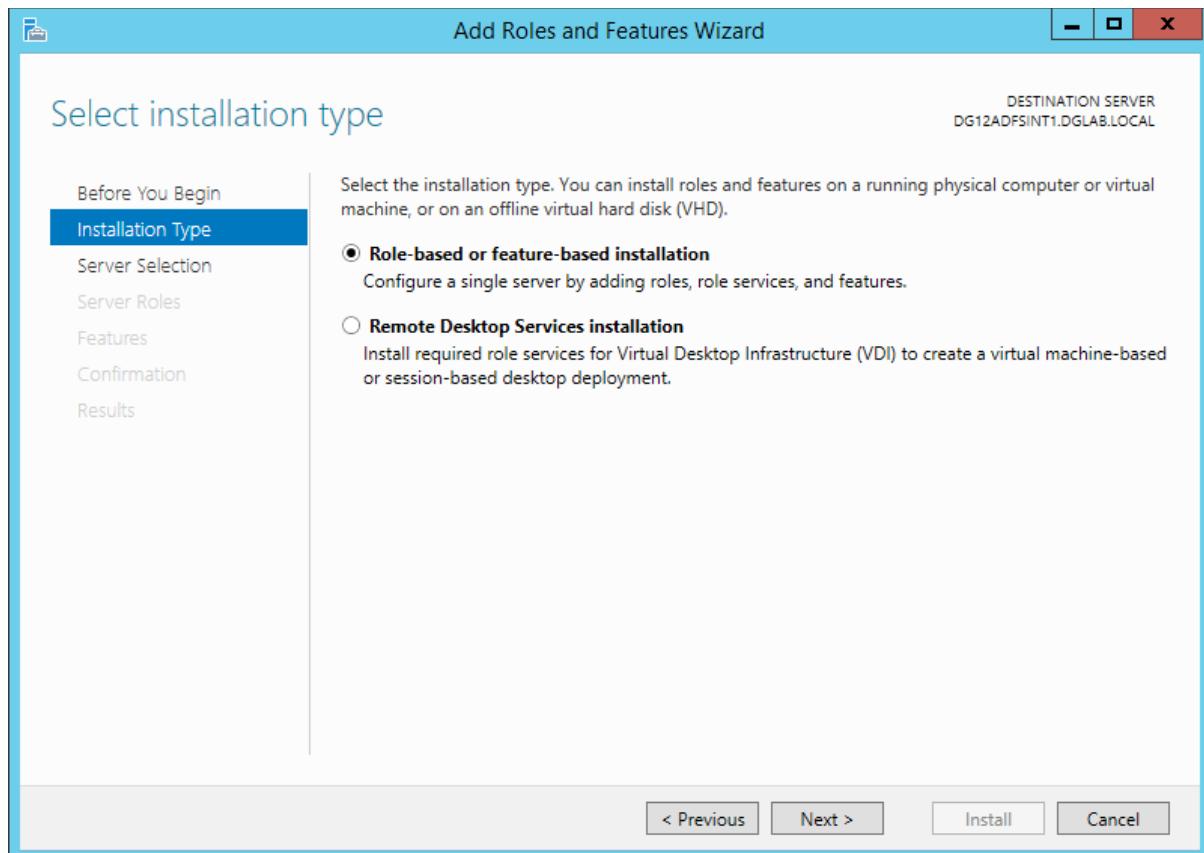
## Bandwidth Calculator

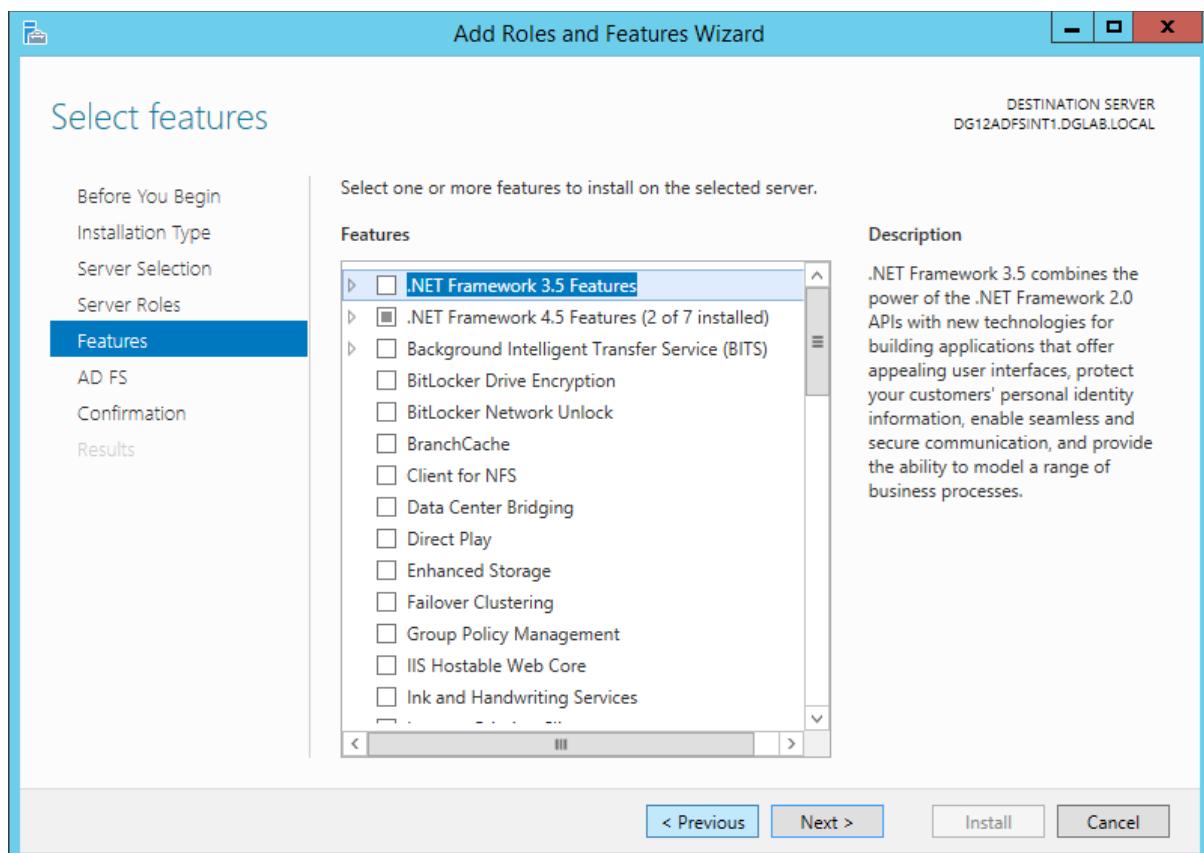
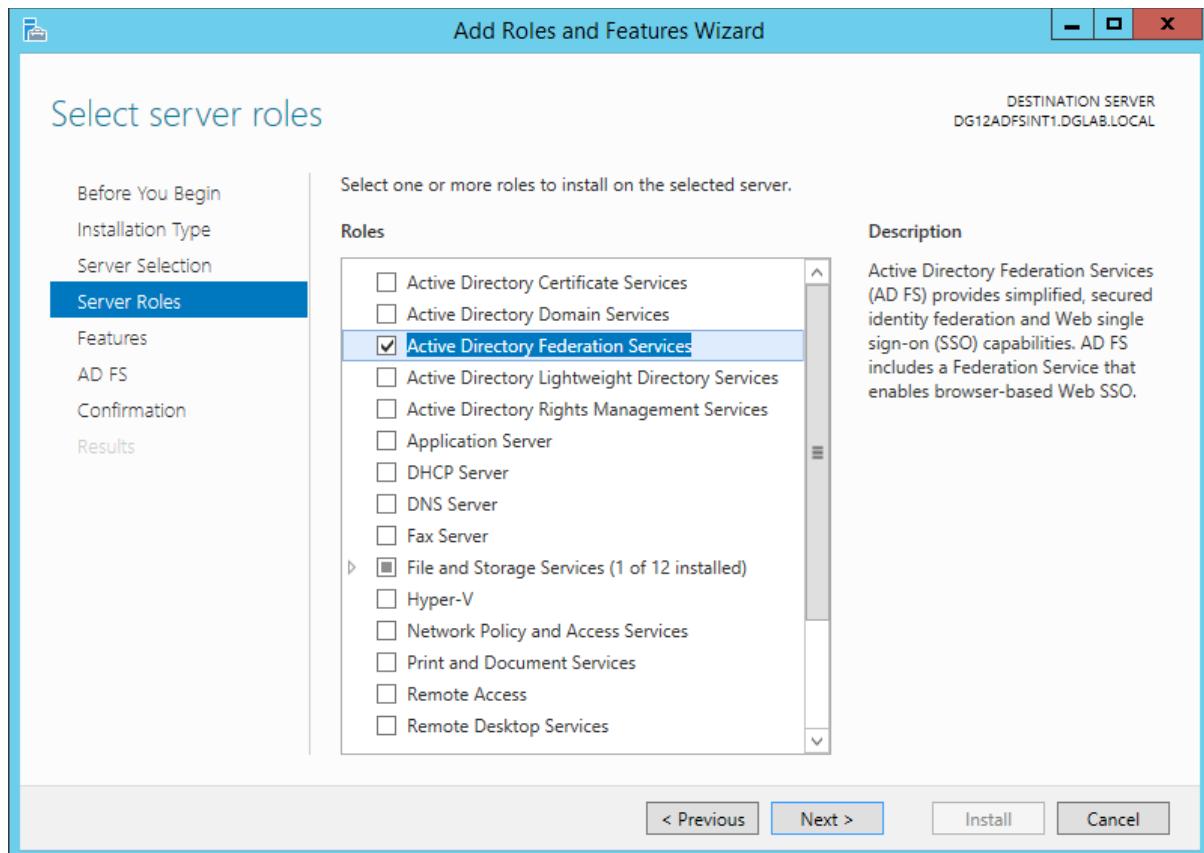
Enter two values, push Calc on the missing third value!

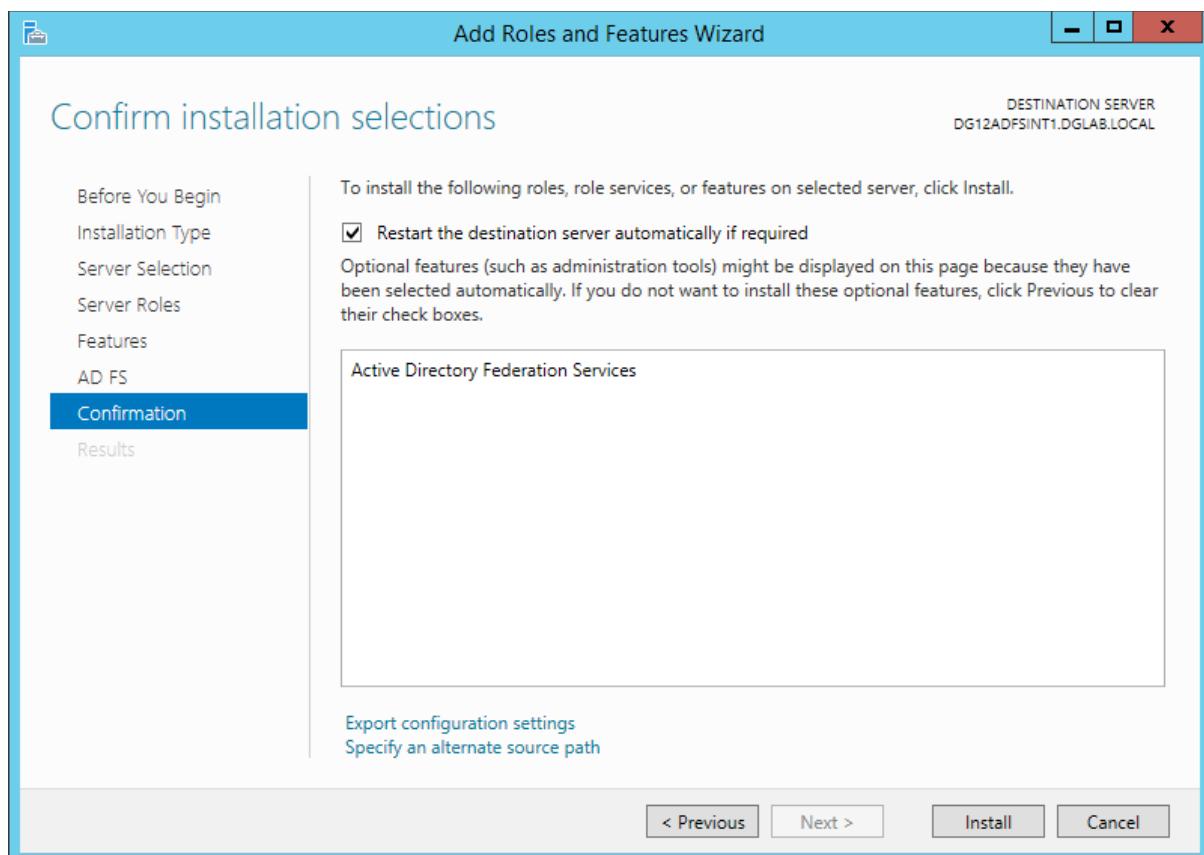
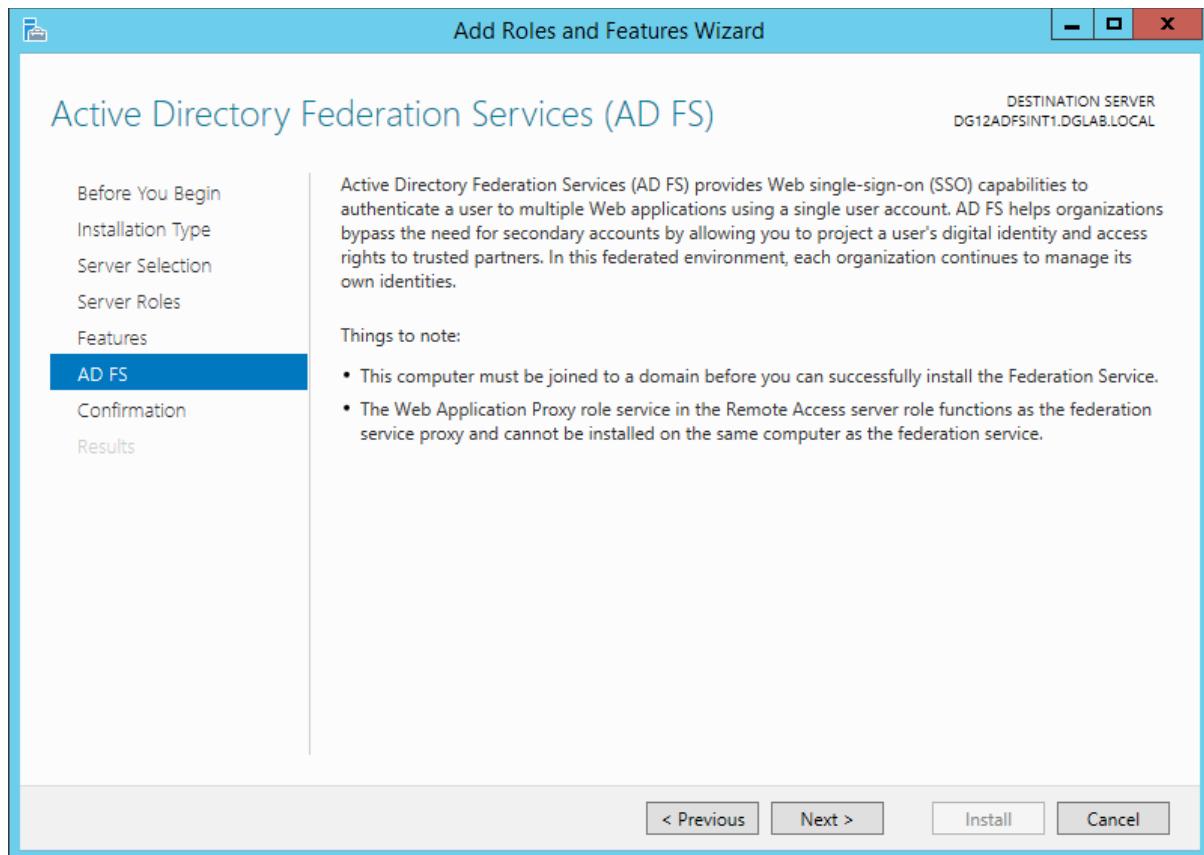
Data Size		Time		Speed	
324000000000	<input type="text" value="24 h"/>	<input type="text" value="1 d"/>	<input type="text" value="30 Mbps"/>		
<input type="button" value="Calc"/>	<input type="button" value="Calc"/>	<input type="button" value="Calc"/>	<input type="button" value="Calc"/>		
324,000,000,000 B bytes (default)	90,596,966,400 ns nanoseconds	90,596,966,400 ns nanoseconds	30,000,000 bps bits per second (default)		
316,406,250 KB kilobytes	88,473,600 ms milliseconds	88,473,600 ms milliseconds	30,000 Kbps kilo bits per second		
308,990.5 MB megabytes	86,400 s seconds (default)	86,400 s seconds (default)	30 Mbps mega bits per second		
301.7 GB gigabytes	1,440 m minutes	1,440 m minutes	3,750,000 Bps bytes per second		
0.3 TB terabytes	24 h hours	24 h hours	3,662.1 KBps kilobytes per second		
2,592,000,000,000 b bits	1 d days	1 d days	3.6 MBps megabytes per second		
2,531,250,000 Kb kilobits	0.1 w weeks	0.1 w weeks	18.5 T1 T1s		
2,471,923.8 Mb megabits			2.9 e10 10Mbps ethernet		
2,414 Gb gigabits			0.3 e100 100Mbps ethernet		
2.4 Tb terabits					

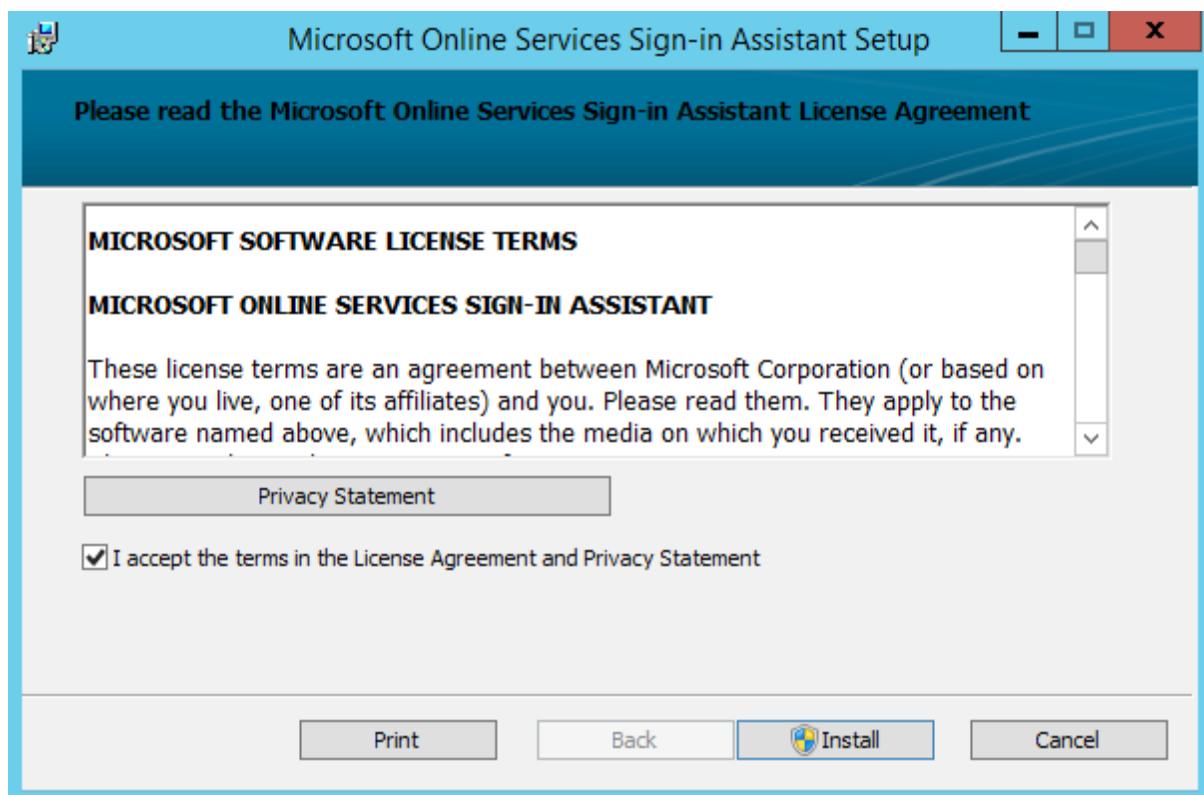
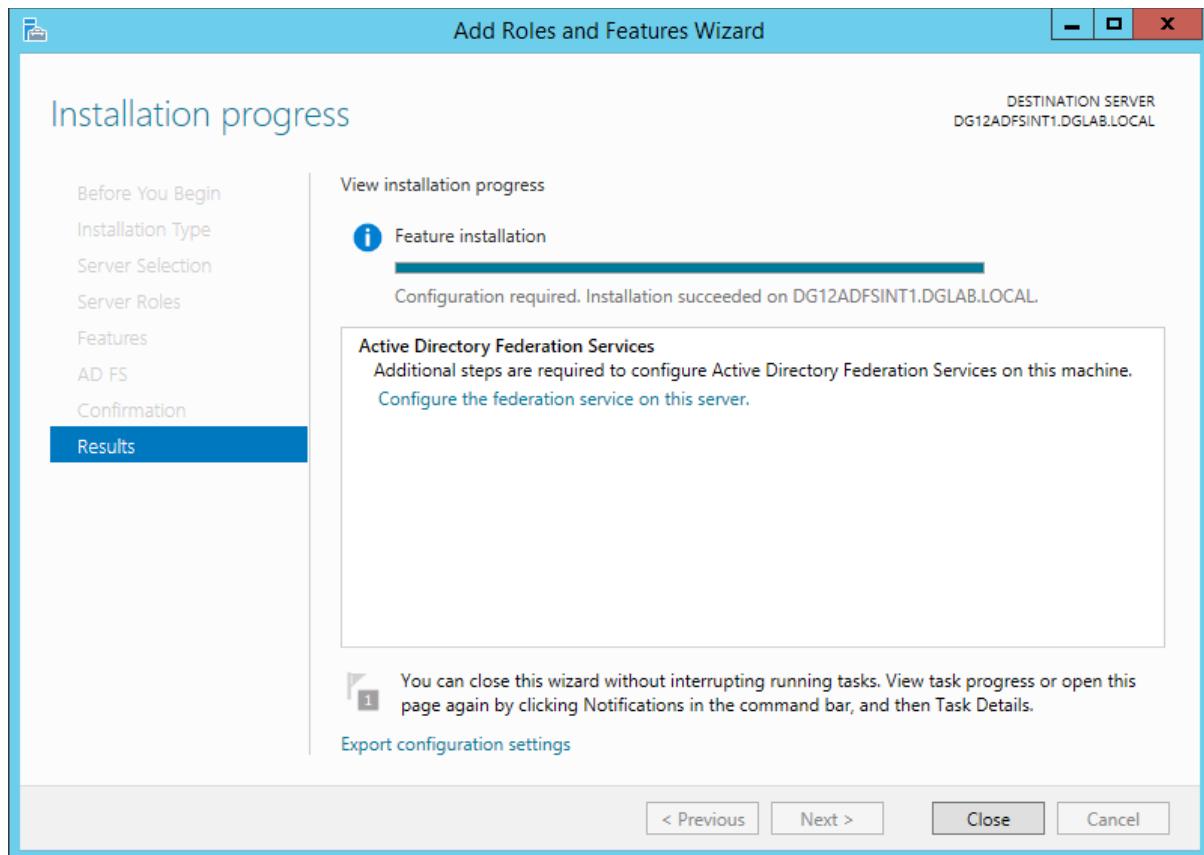
## Chapter 8: Deploying a Hybrid Infrastructure – AD FS

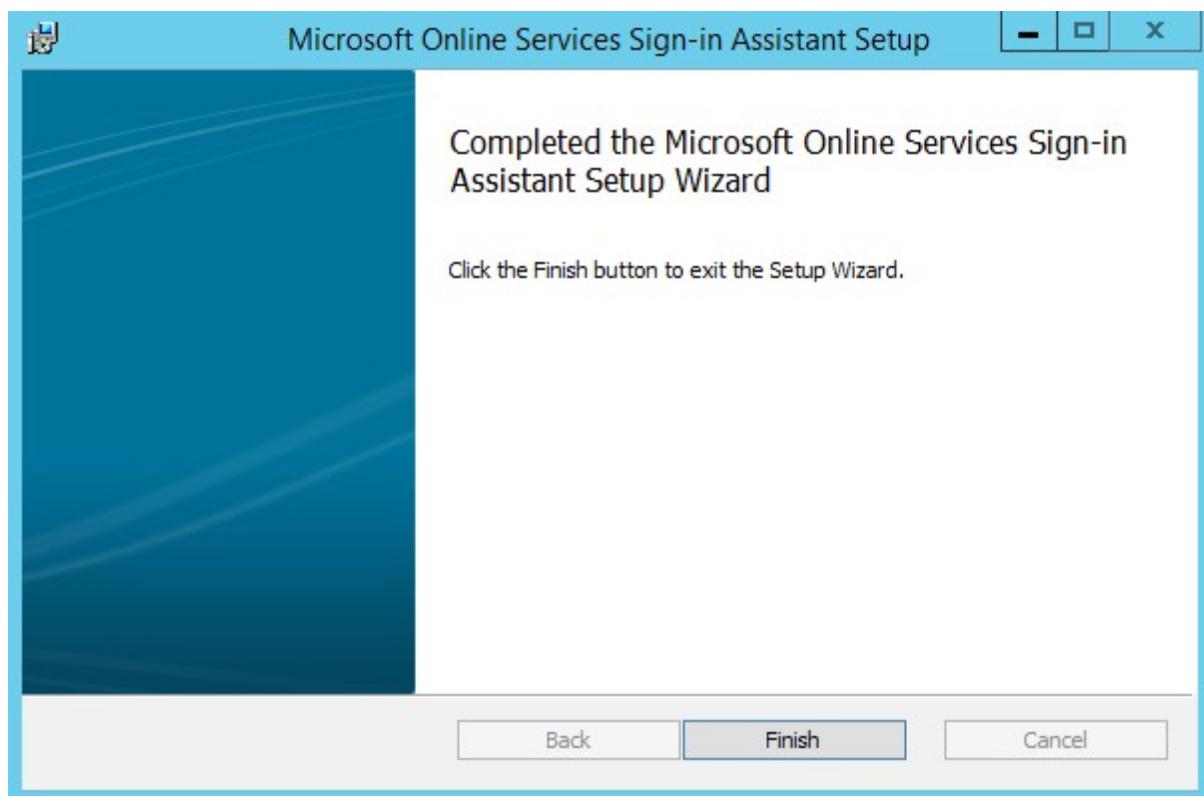


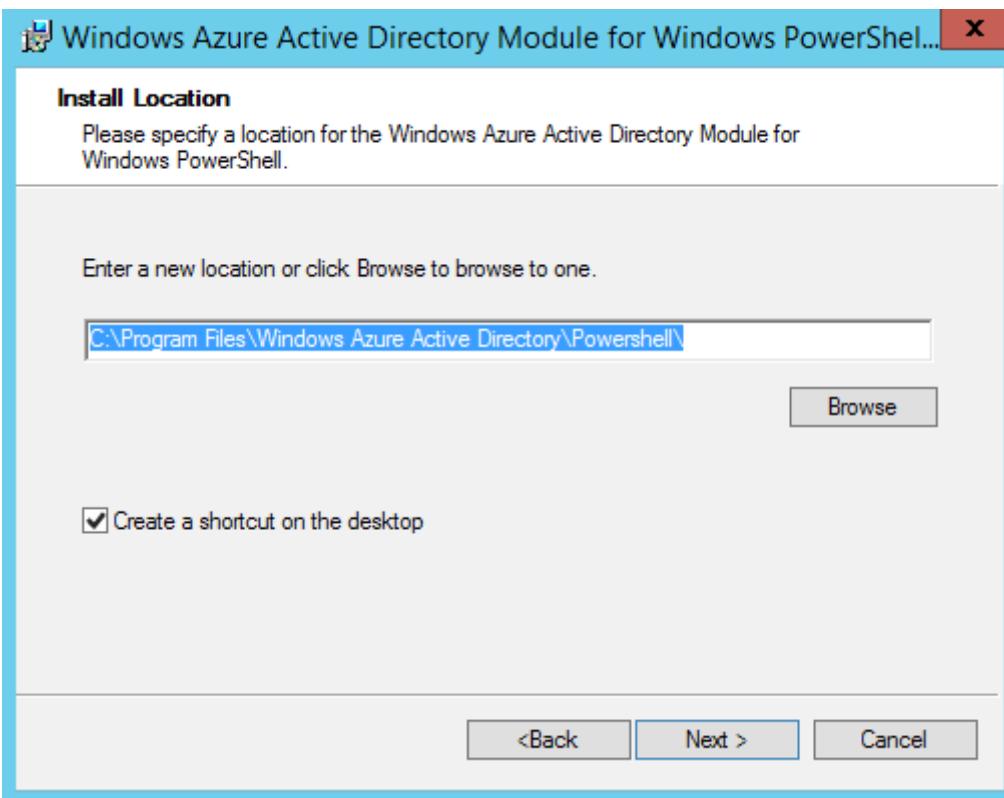
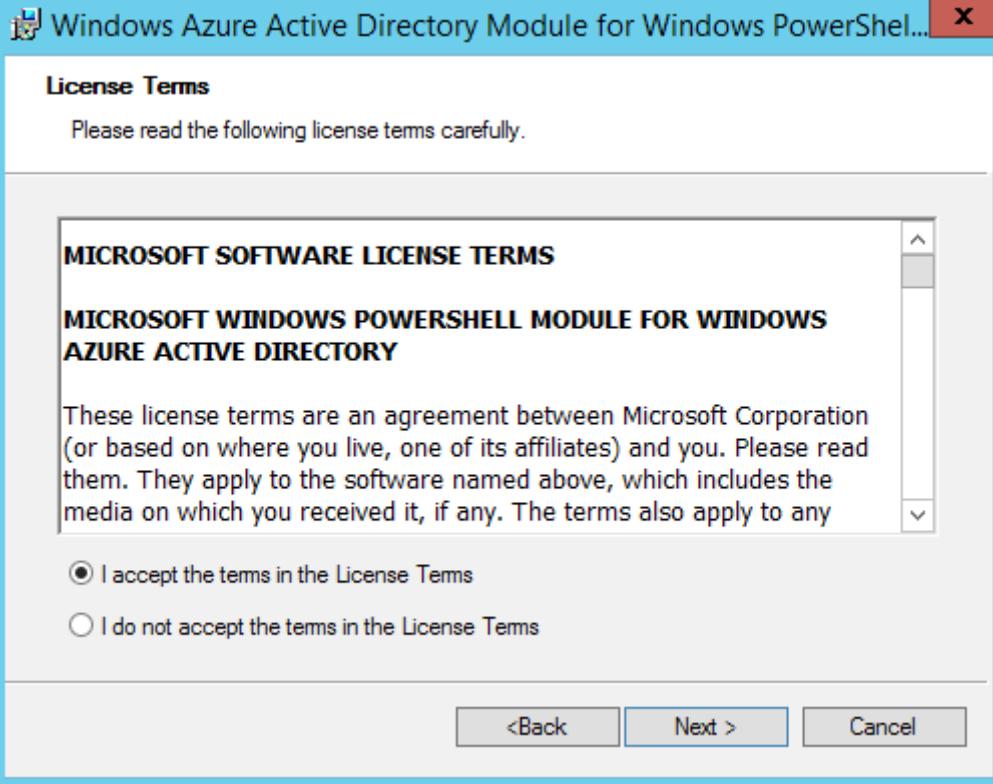


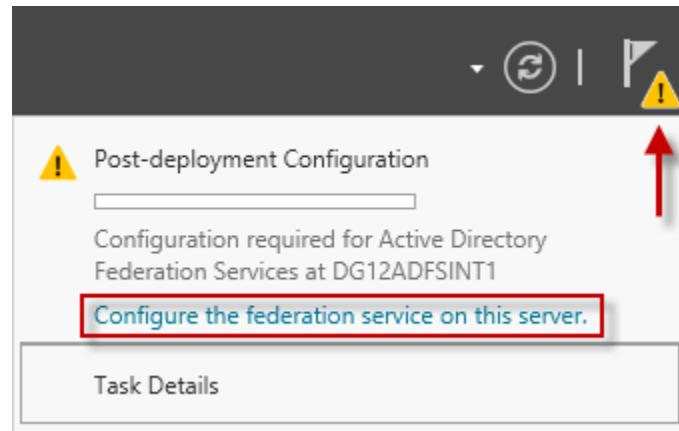
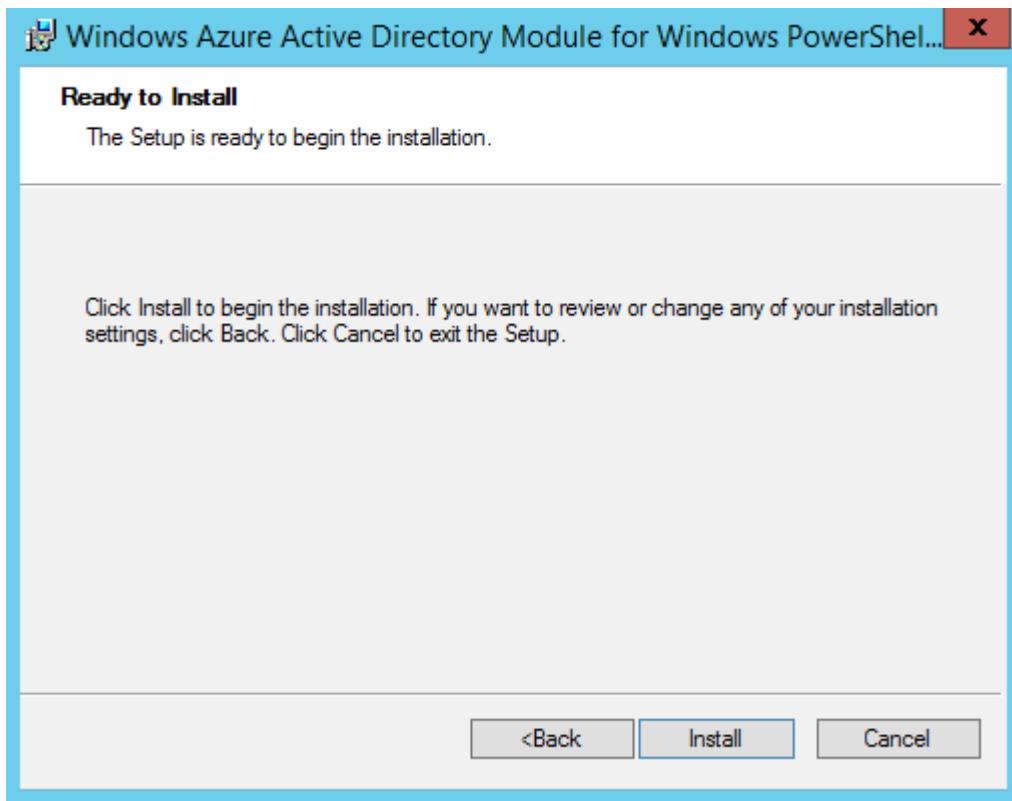


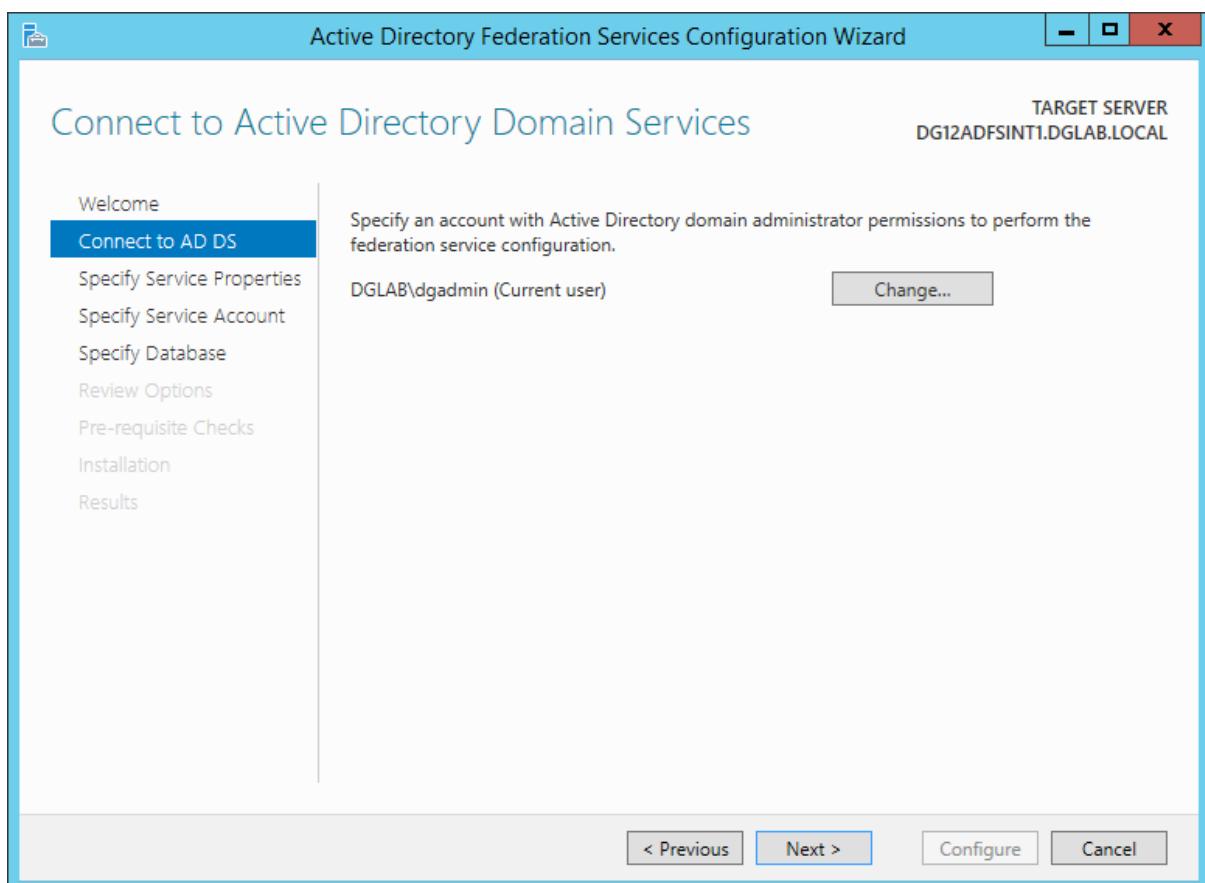
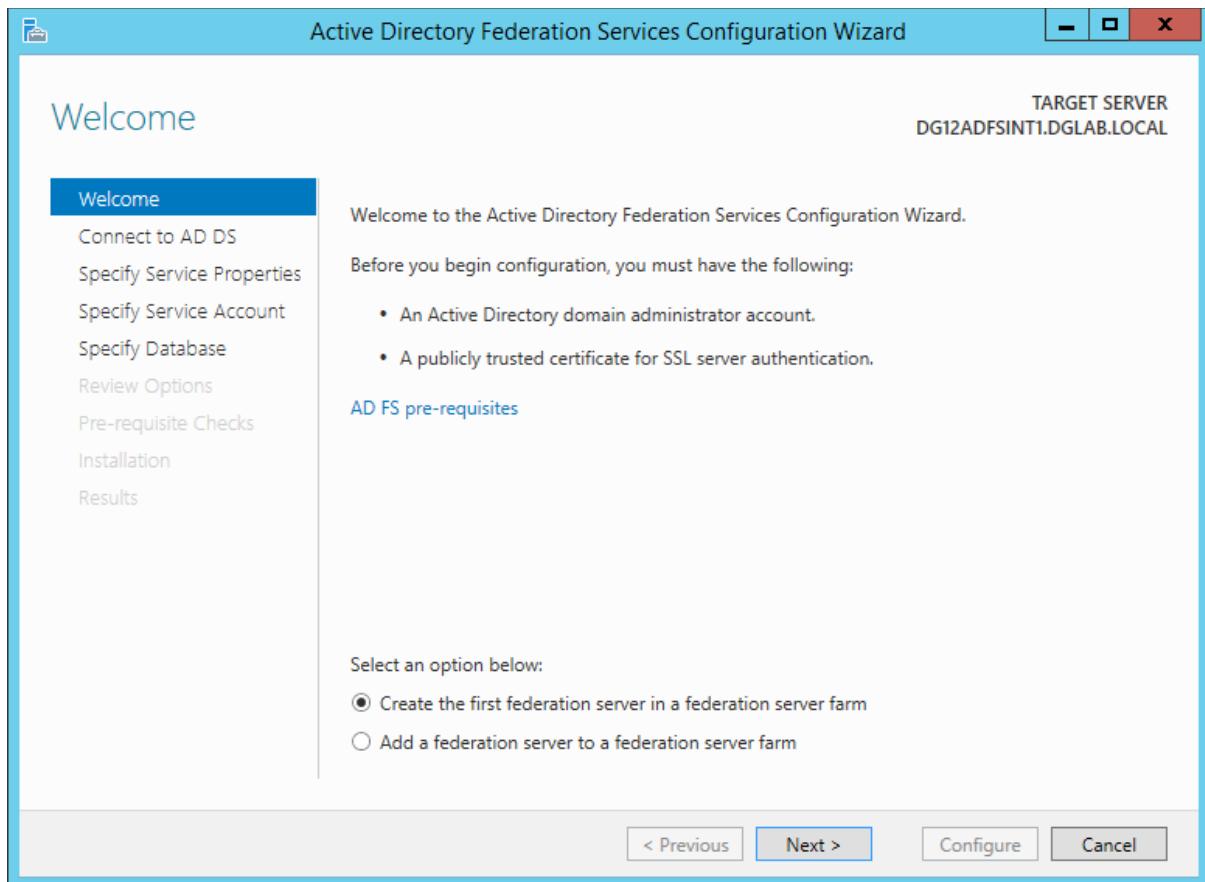


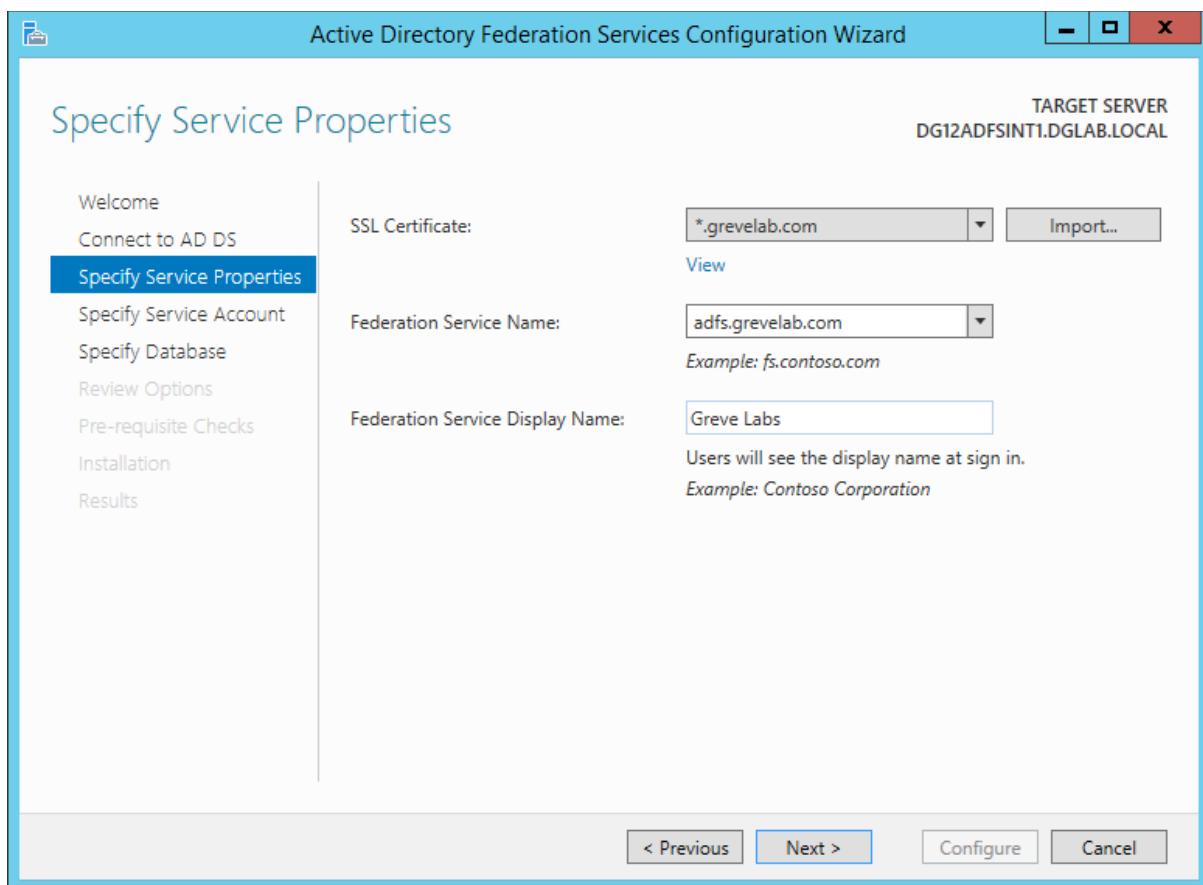


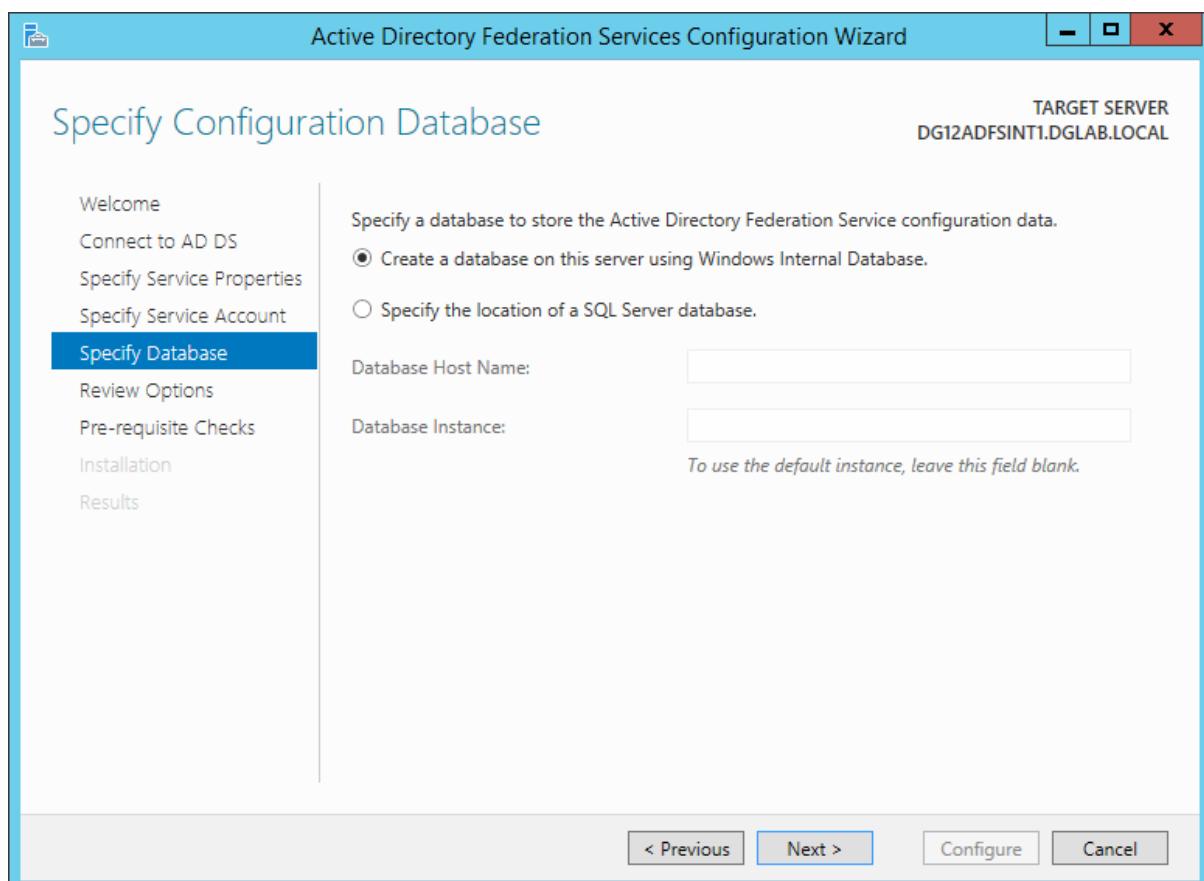
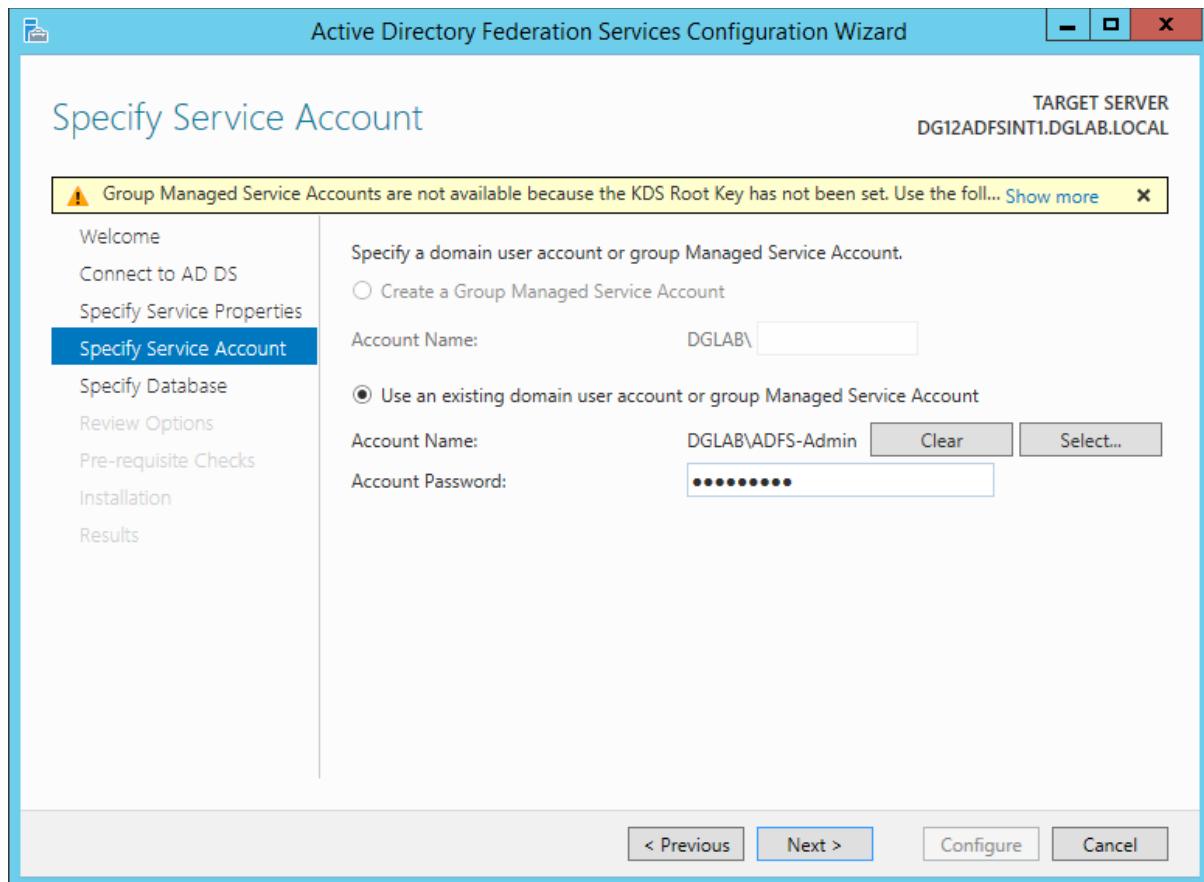


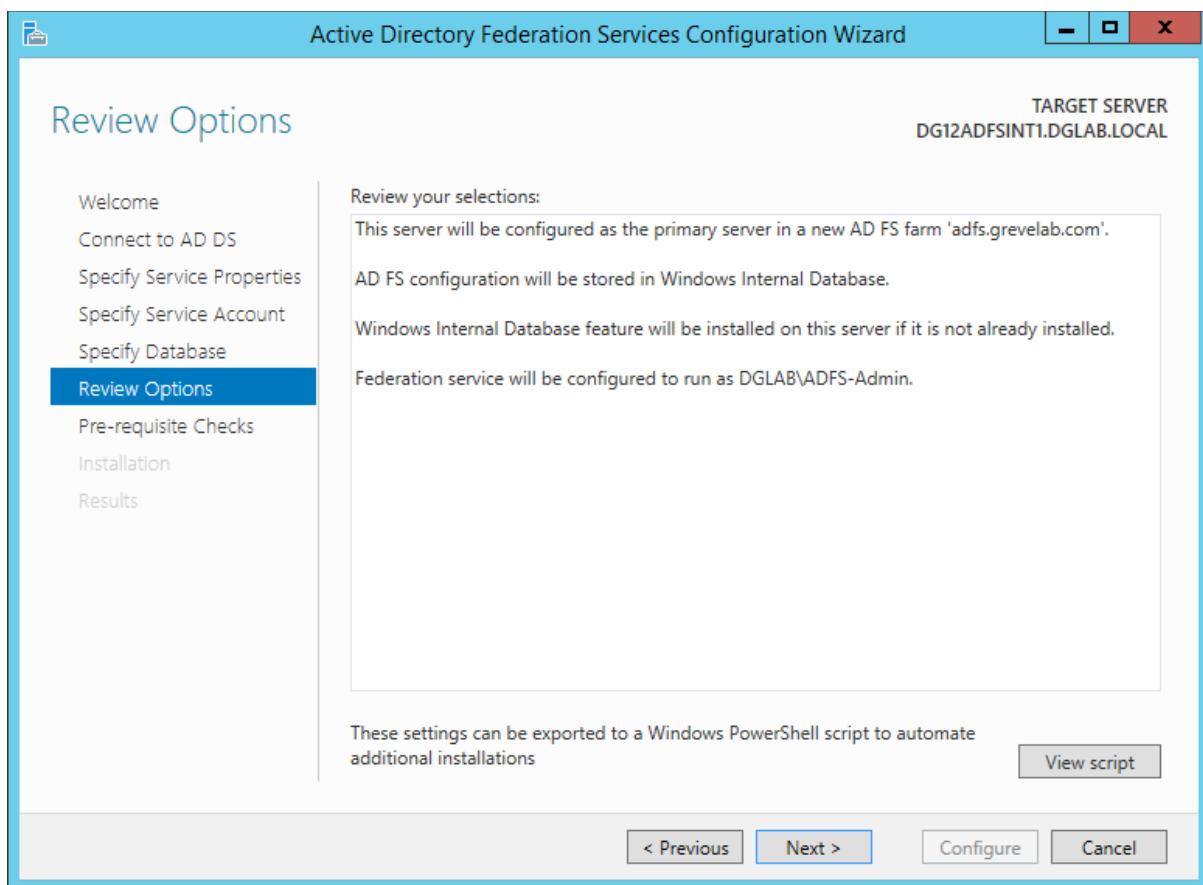


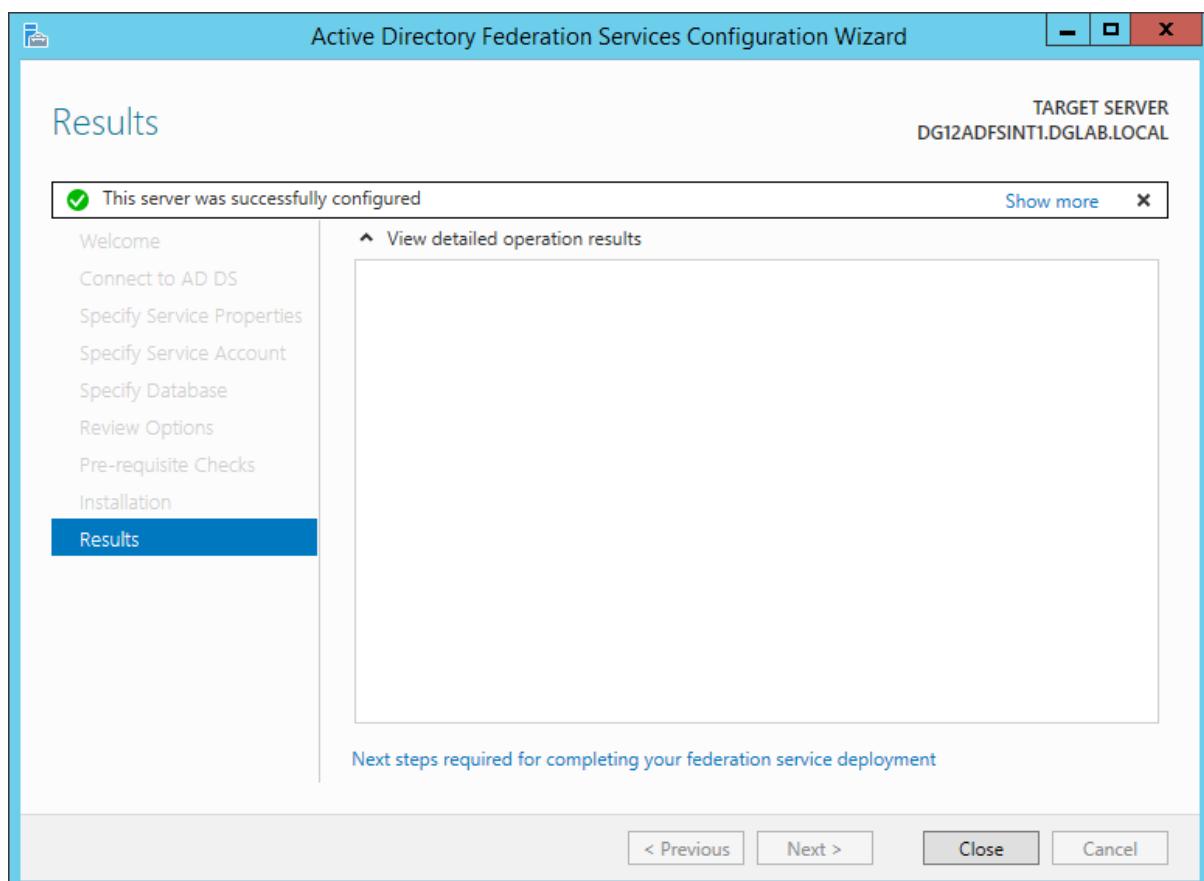
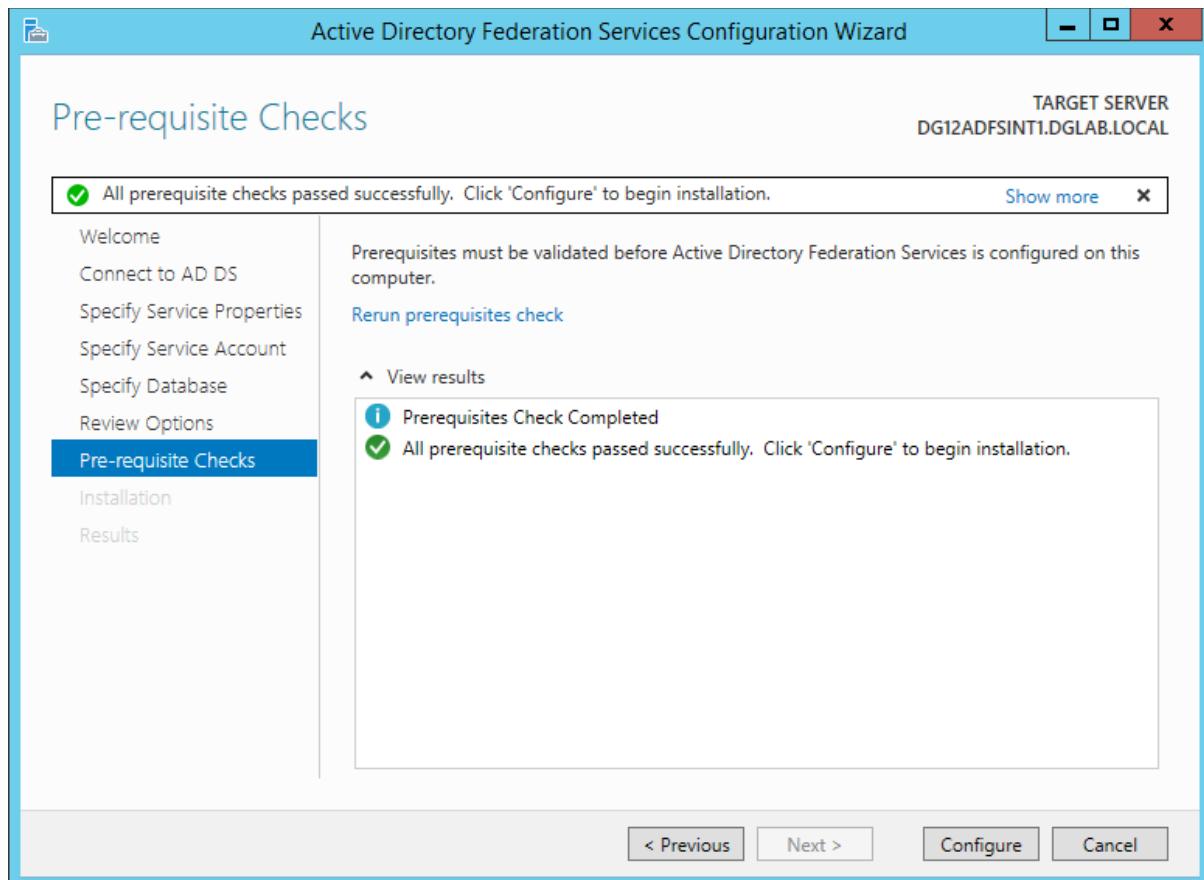






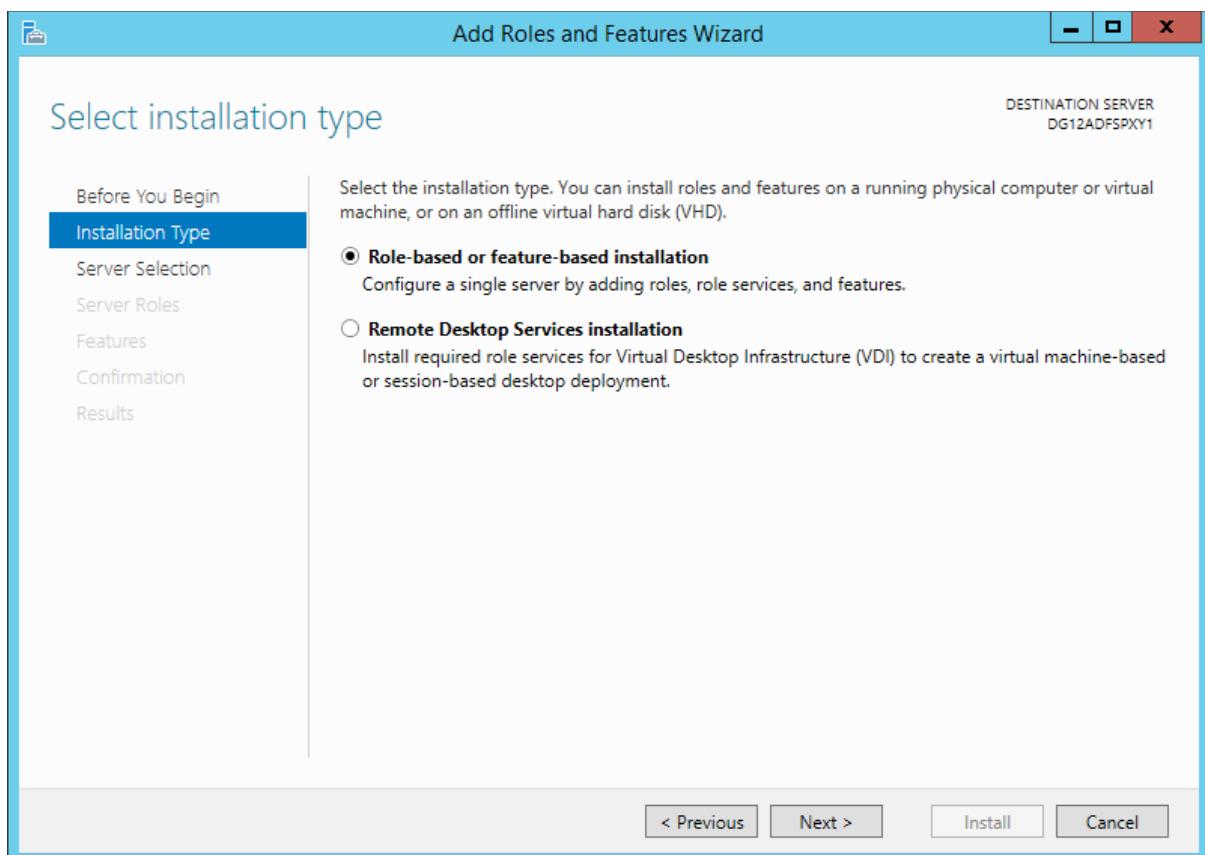
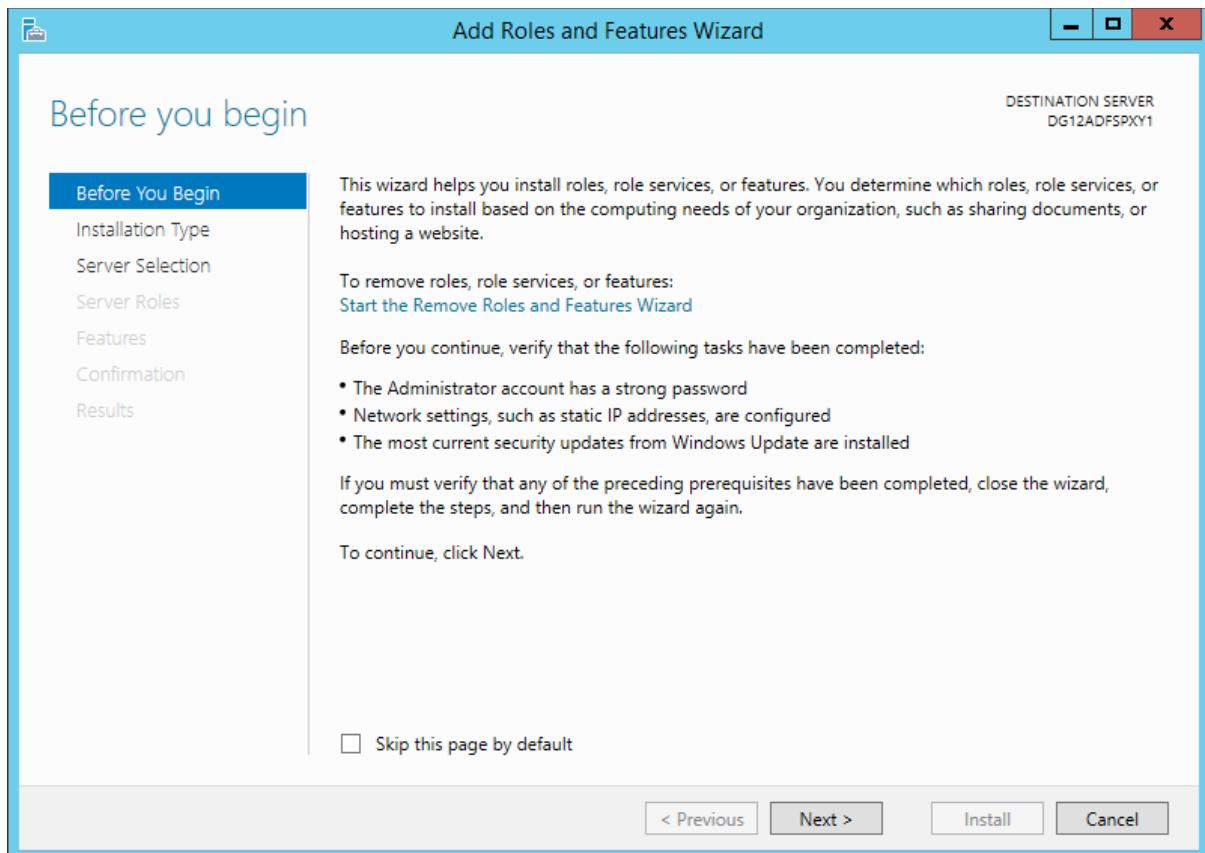


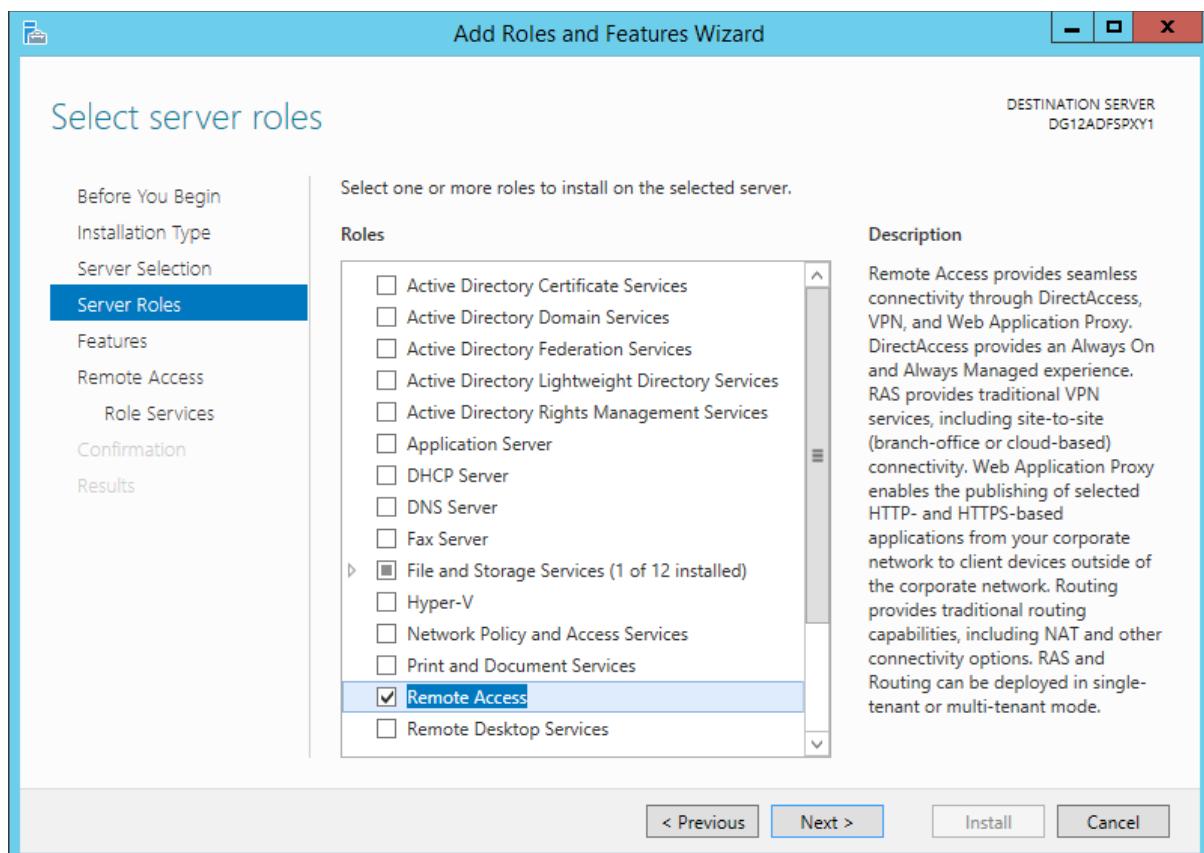
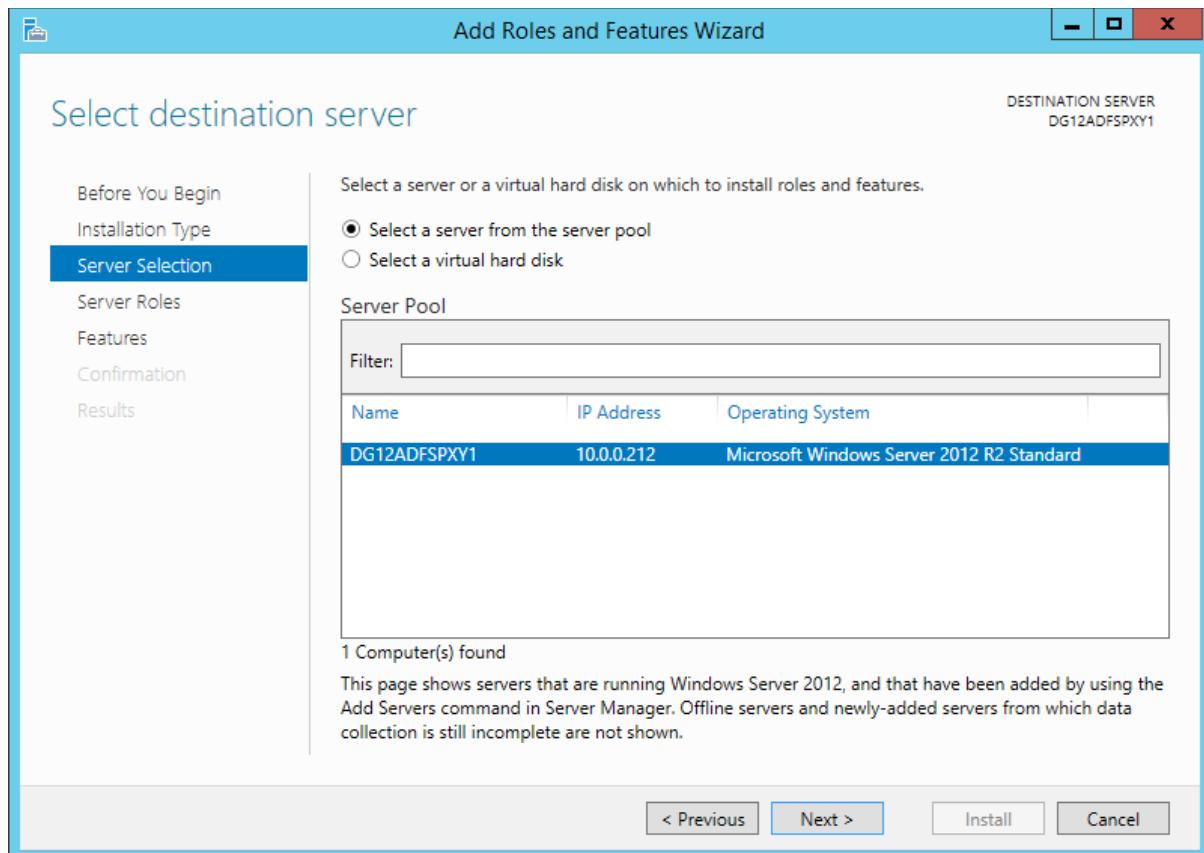


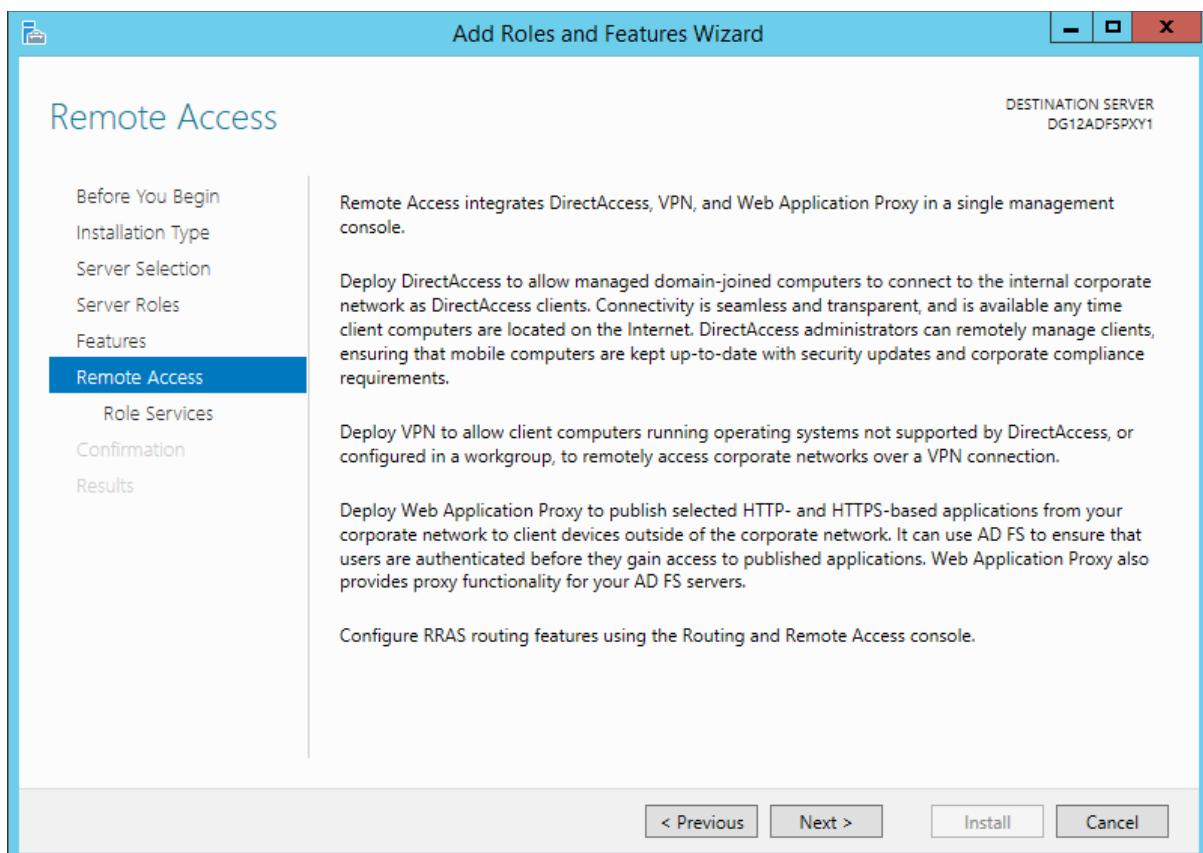
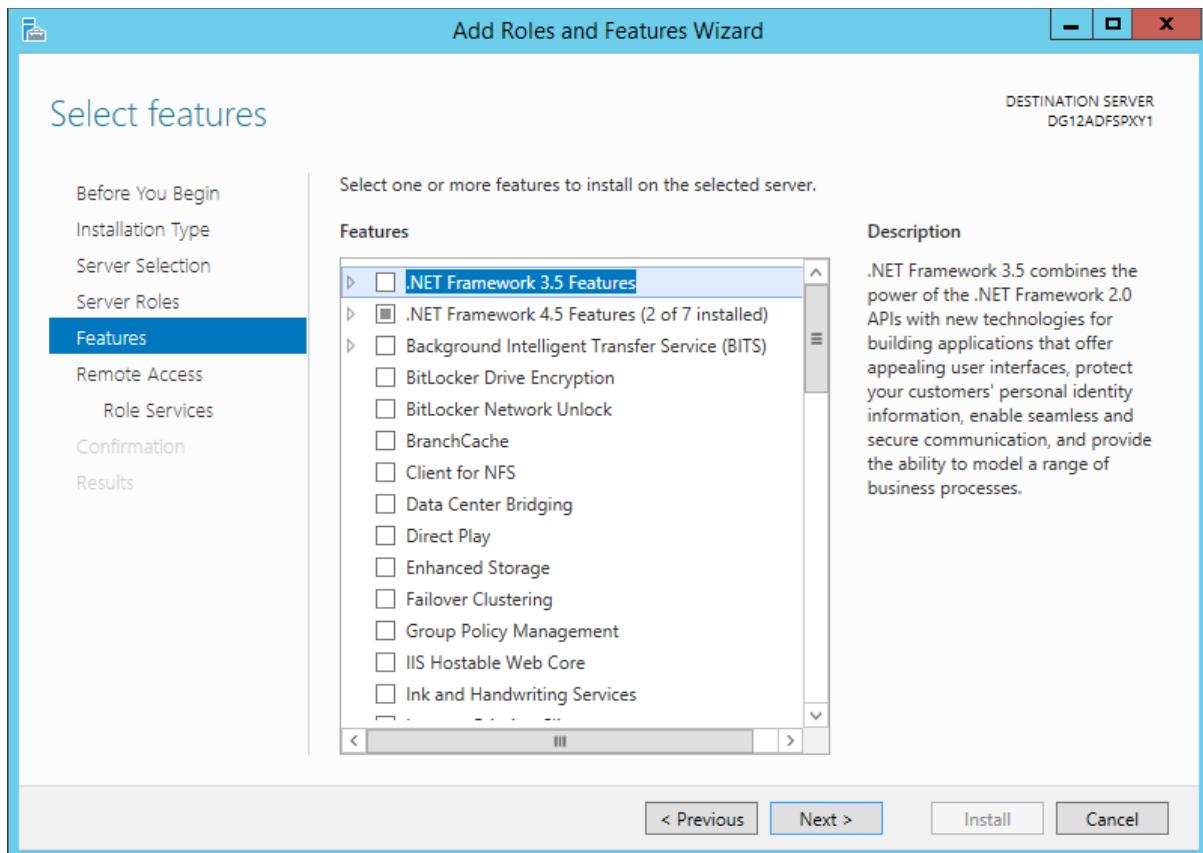


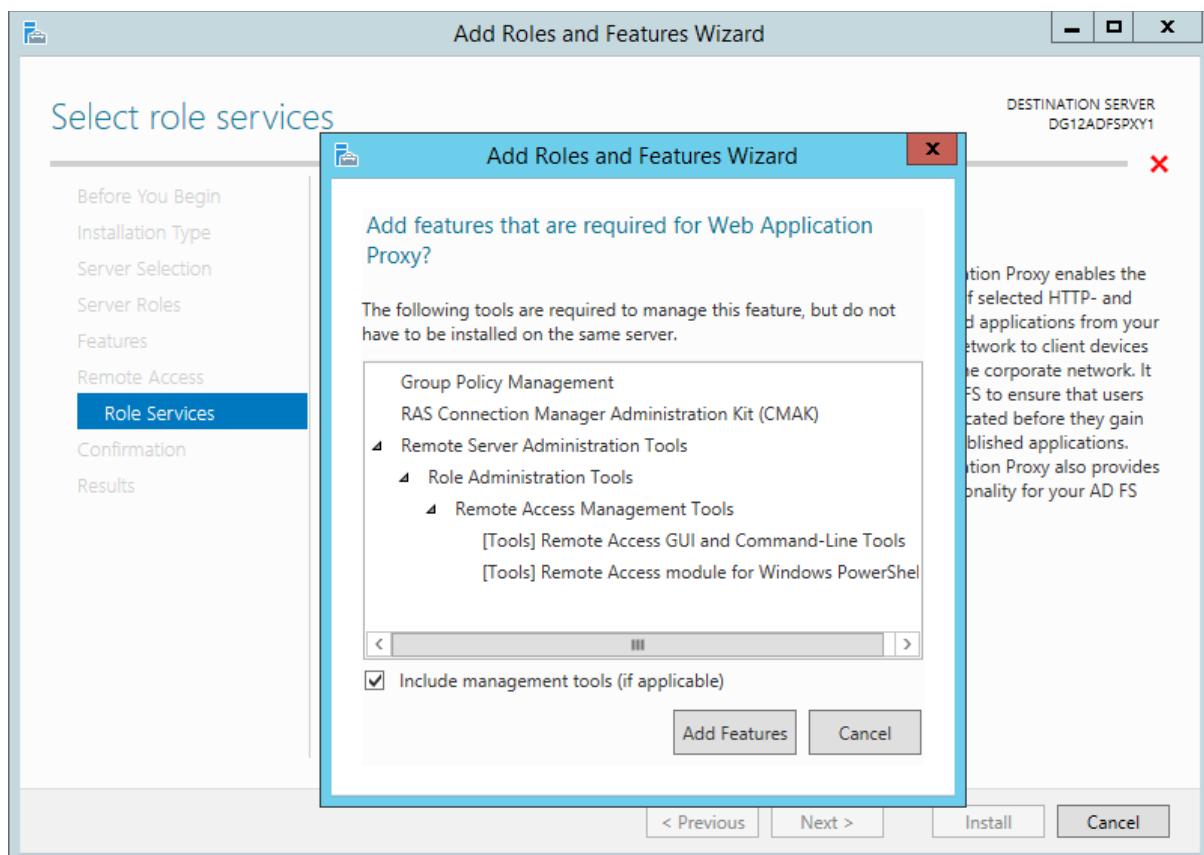
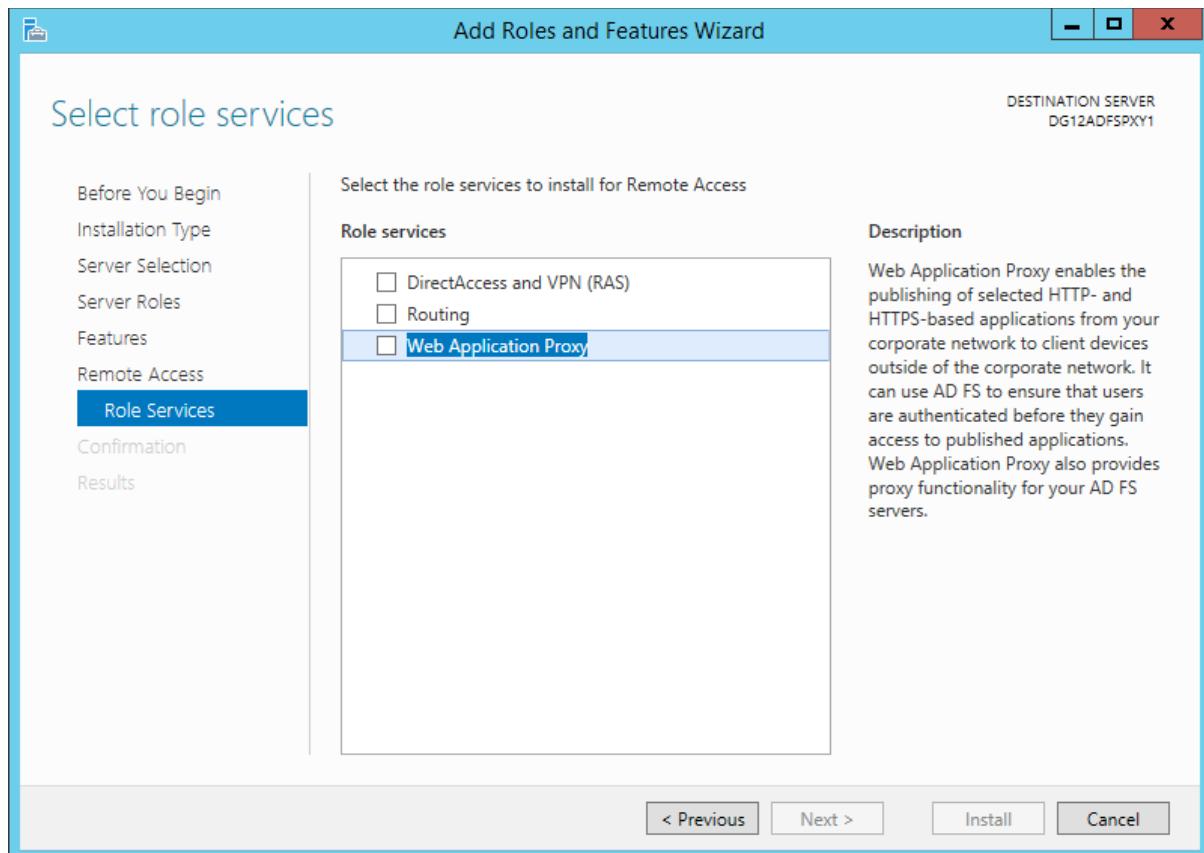
```
Administrator: Windows Azure Active Directory Module for Windows PowerShell - □ X
PS C:\Windows\system32> set-ExecutionPolicy unrestricted
Execution Policy Change
The execution policy helps protect you from scripts that you do not trust.
Changing the execution policy might expose you to the security risks described
in the about_Execution_Policies help topic at
http://go.microsoft.com/fwlink/?LinkID=135170. Do you want to change the
execution policy?
[Y] Yes [N] No [S] Suspend [?] Help <default is "Y">: y
PS C:\Windows\system32> $cred=get-credential
cmdlet Get-Credential at command pipeline position 1
Supply values for the following parameters:
Credential
PS C:\Windows\system32> Connect-MsolService -Credential $cred
PS C:\Windows\system32> Set-MsolADFSContext -computer DG12ADFSINT1
PS C:\Windows\system32> Convert-MsolDomainToFederated -DomainName grevelab.com -SupportMultipleDomains
PS C:\Windows\system32> Convert-MsolDomainToFederated -DomainName grevelab.com -SupportMultipleDomain
Successfully updated 'grevelab.com' domain.
PS C:\Windows\system32> Update-MSOLFederatedDomain -domainname grevelab.com -SupportMultipleDomain
Successfully updated 'grevelab.com' domain.
PS C:\Windows\system32>
```

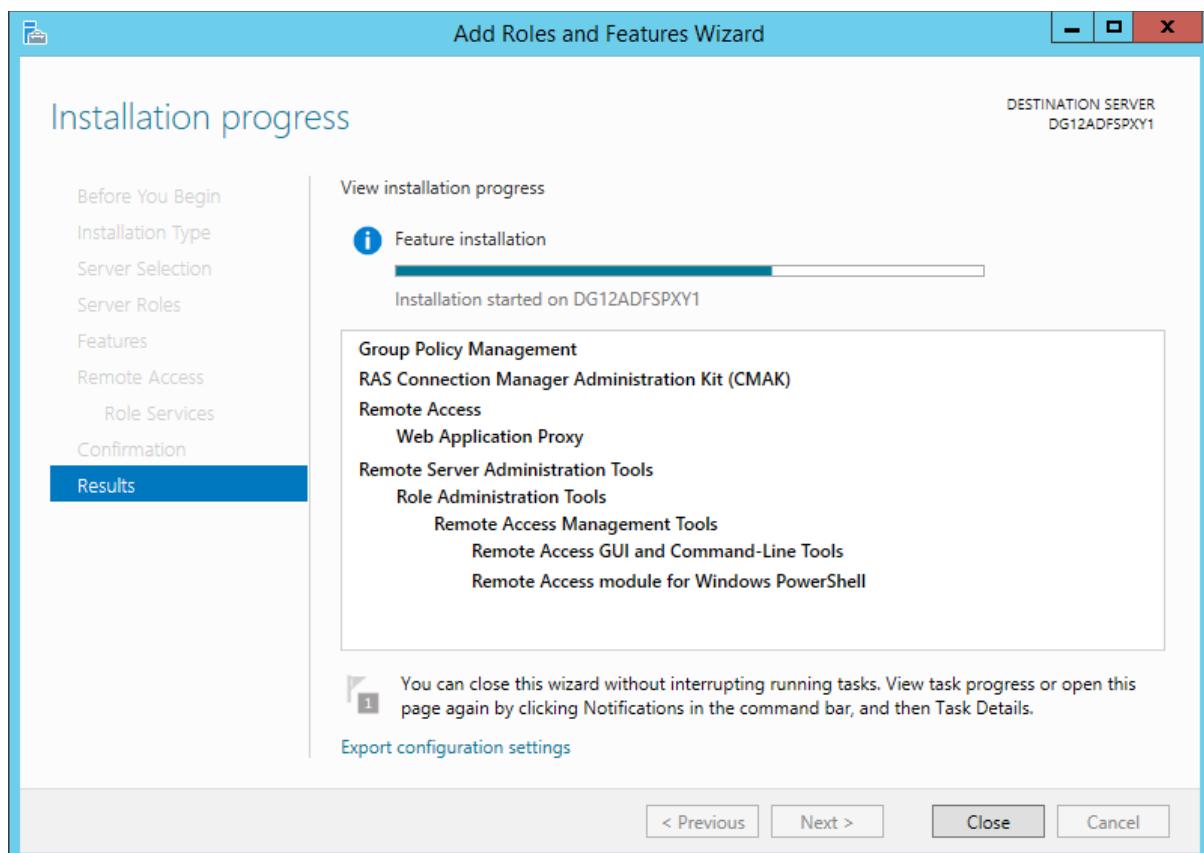
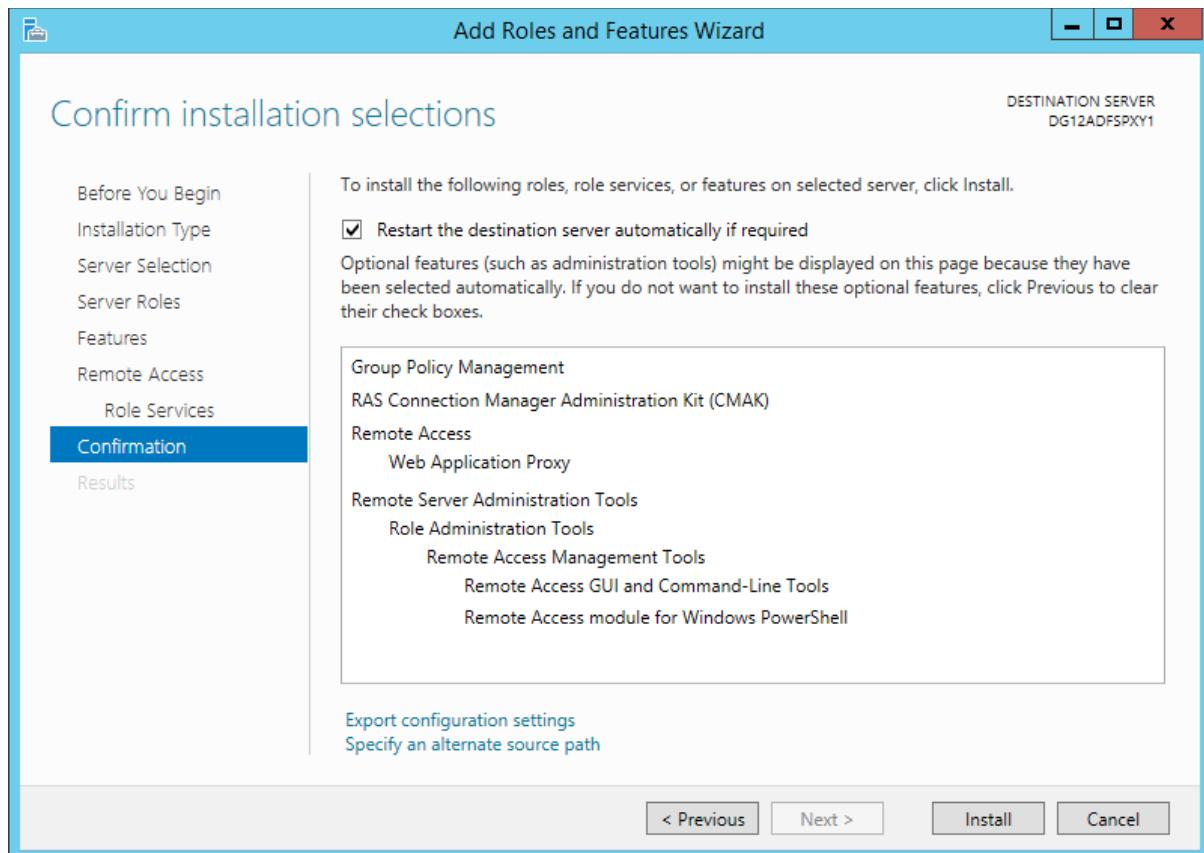
```
Administrator: Windows Azure Active Directory Module for Windows PowerShell - □ X
PS C:\Users\administrator.GREVELAB\Desktop> get-msoldomain
Name          Status      Authentication
---          -----
grevelab.com   Verified   Federated
grevelab.onmicrosoft.com   Verified   Managed
grevelab.mail.onmicrosoft.com   Verified   Managed
PS C:\Users\administrator.GREVELAB\Desktop>
```

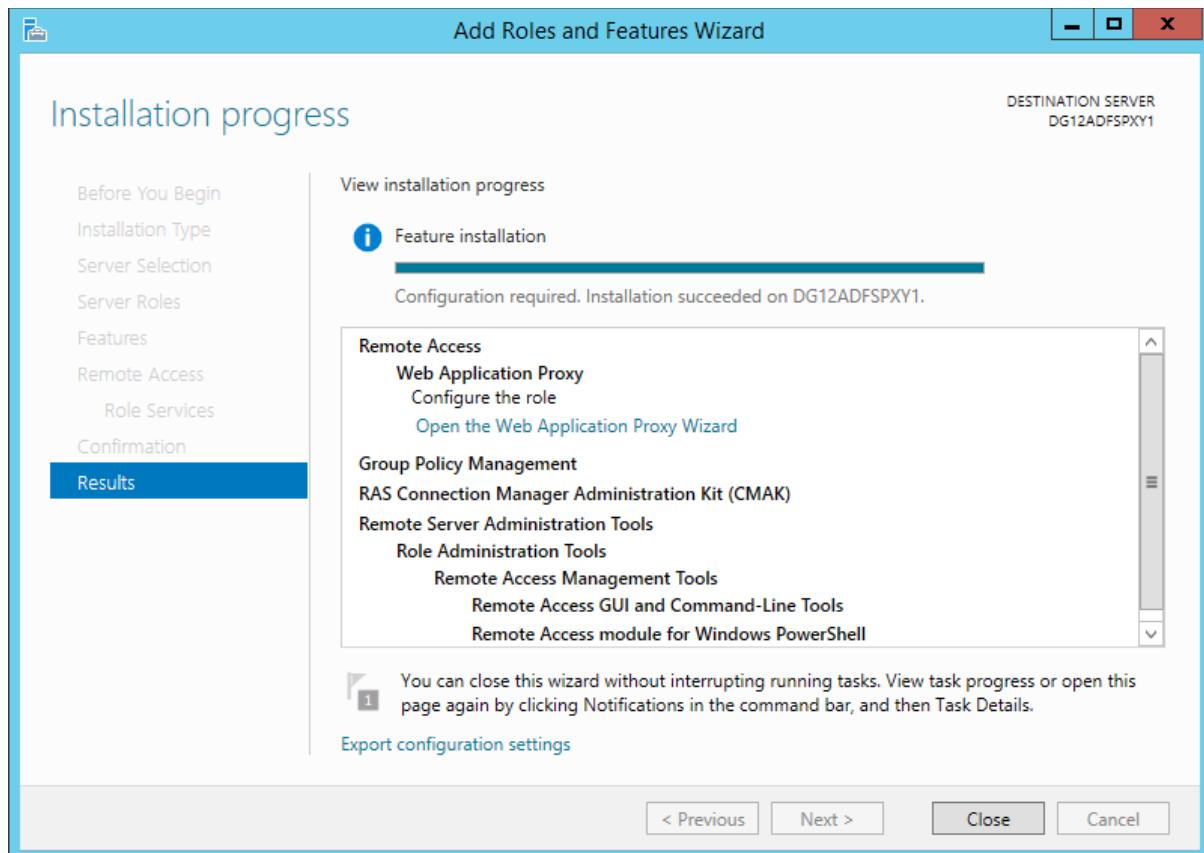






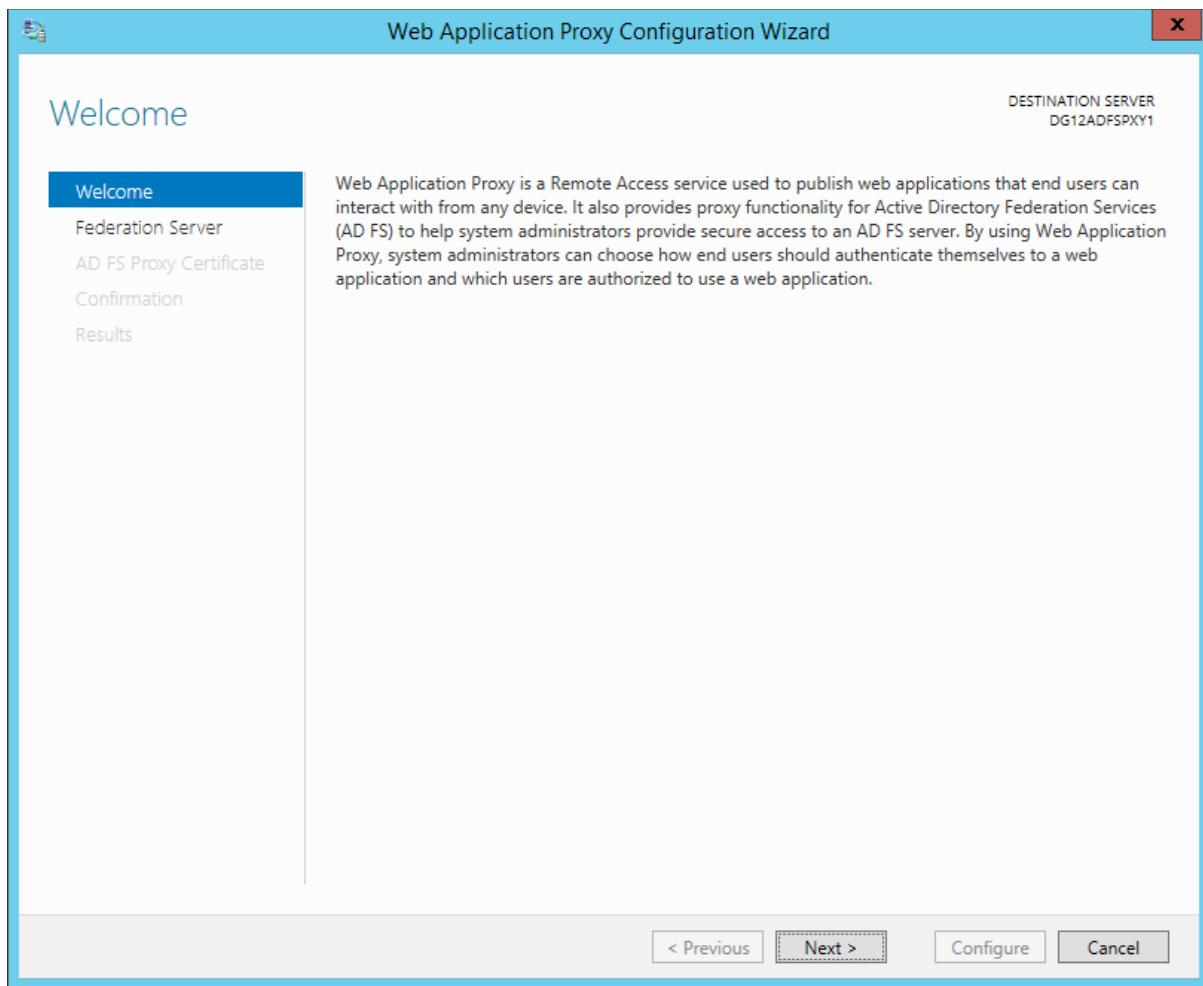
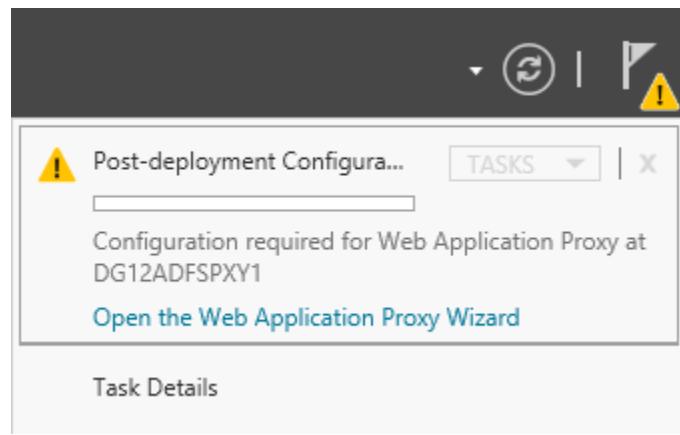


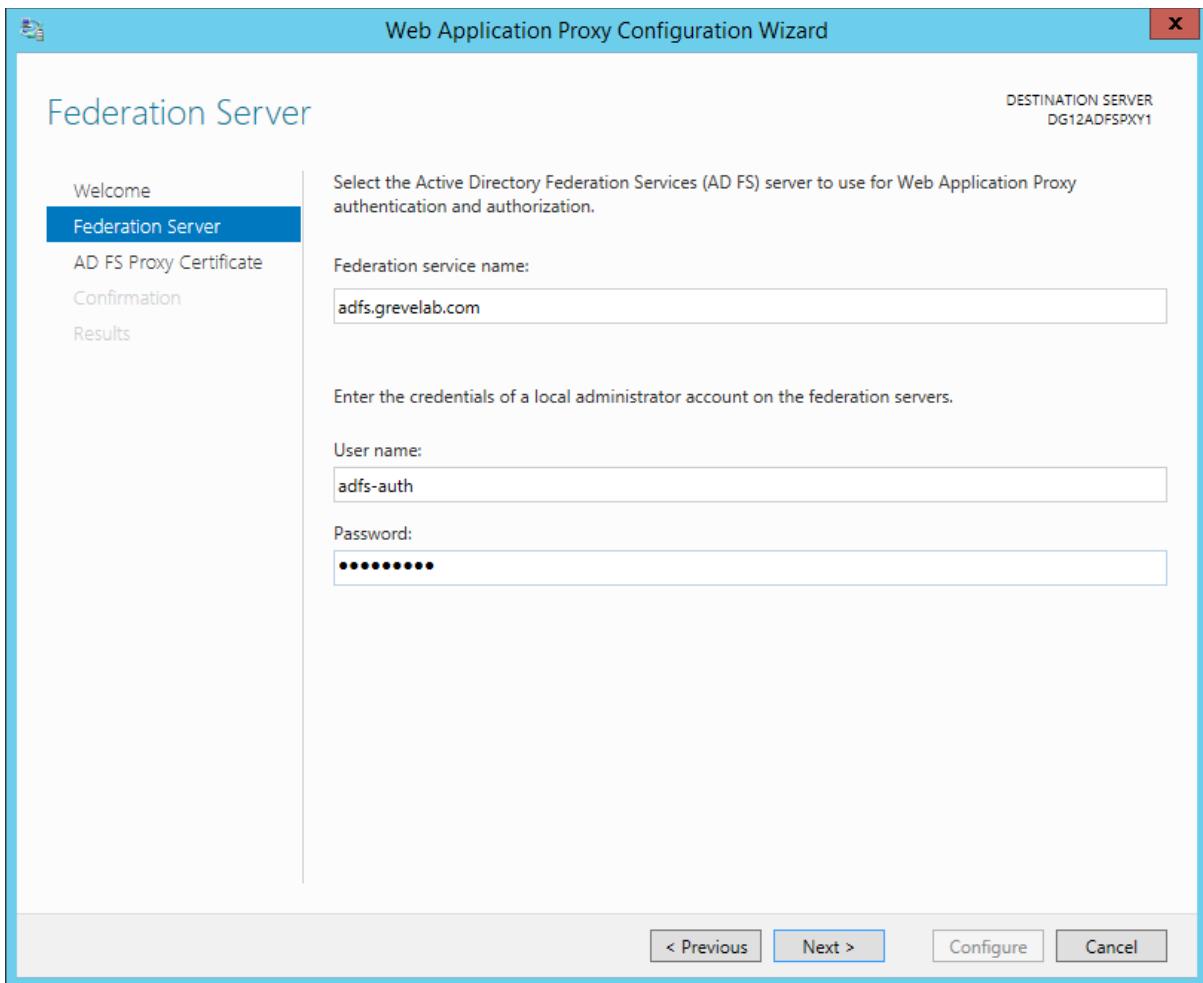


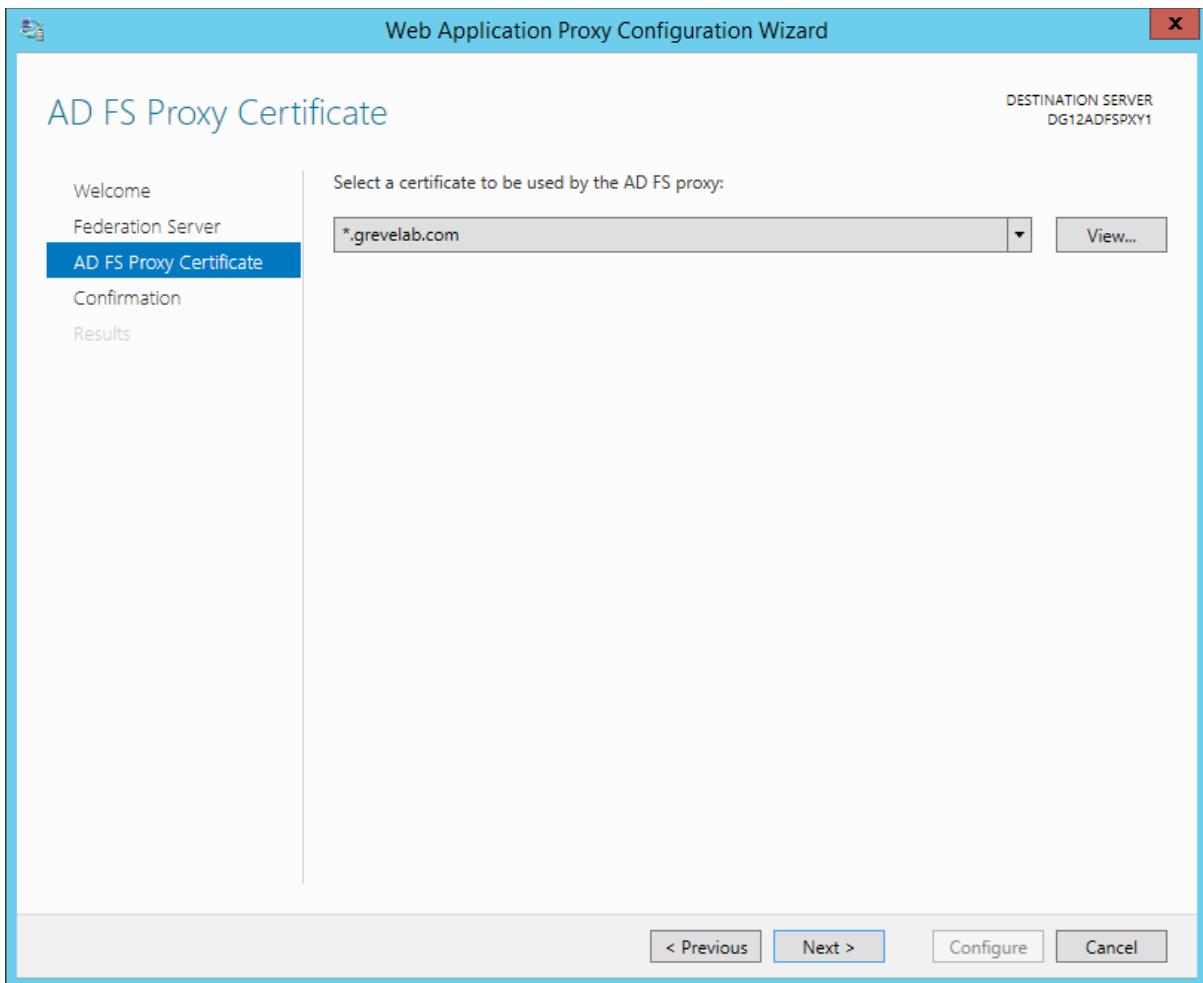


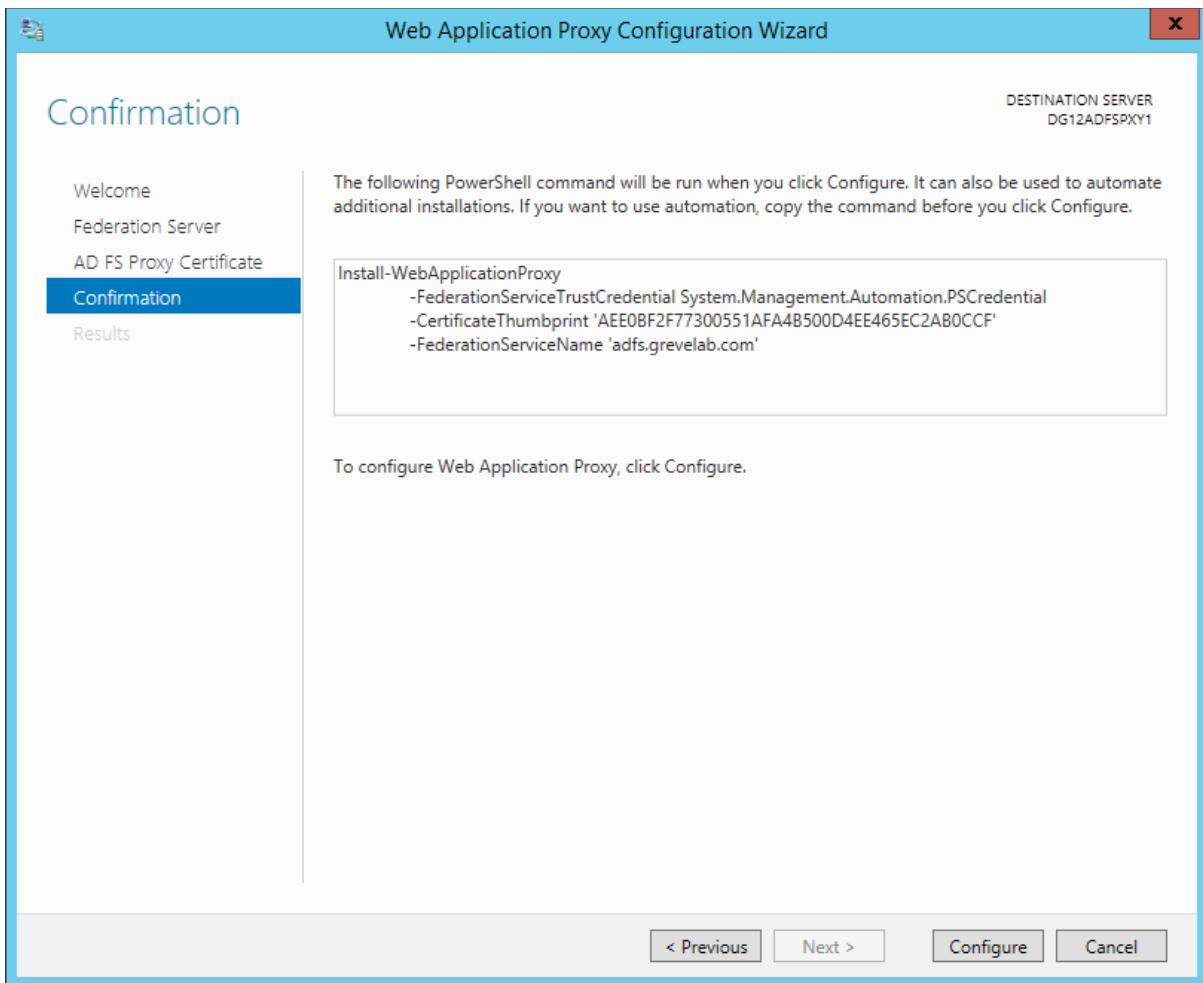
The screenshot shows a 'hosts - Notepad' window. The title bar reads 'hosts - Notepad'. The menu bar includes 'File', 'Edit', 'Format', 'View', and 'Help'. The content of the file is as follows:

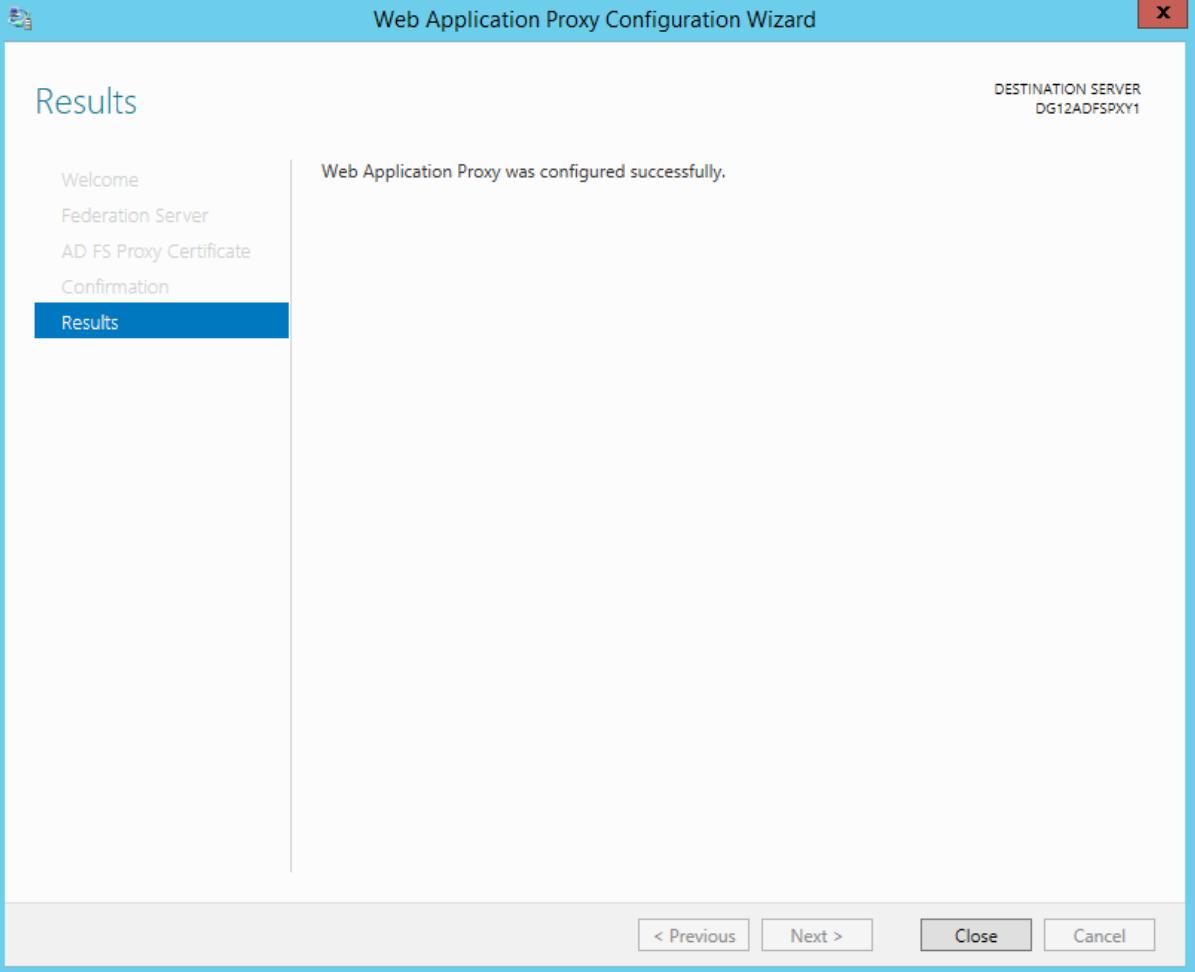
```
# Copyright (c) 1993-2009 Microsoft Corp.
#
# This is a sample HOSTS file used by Microsoft TCP/IP for Windows.
#
# This file contains the mappings of IP addresses to host names. Each
# entry should be kept on an individual line. The IP address should
# be placed in the first column followed by the corresponding host name.
# The IP address and the host name should be separated by at least one
# space.
#
# Additionally, comments (such as these) may be inserted on individual
# lines or following the machine name denoted by a '#' symbol.
#
# For example:
#
#      102.54.94.97    rhino.acme.com        # source server
#      38.25.63.10    x.acme.com            # x client host
#
# localhost name resolution is handled within DNS itself.
#      127.0.0.1        localhost
#      ::1              localhost
192.168.139.20 adfs.grevelab.com
```

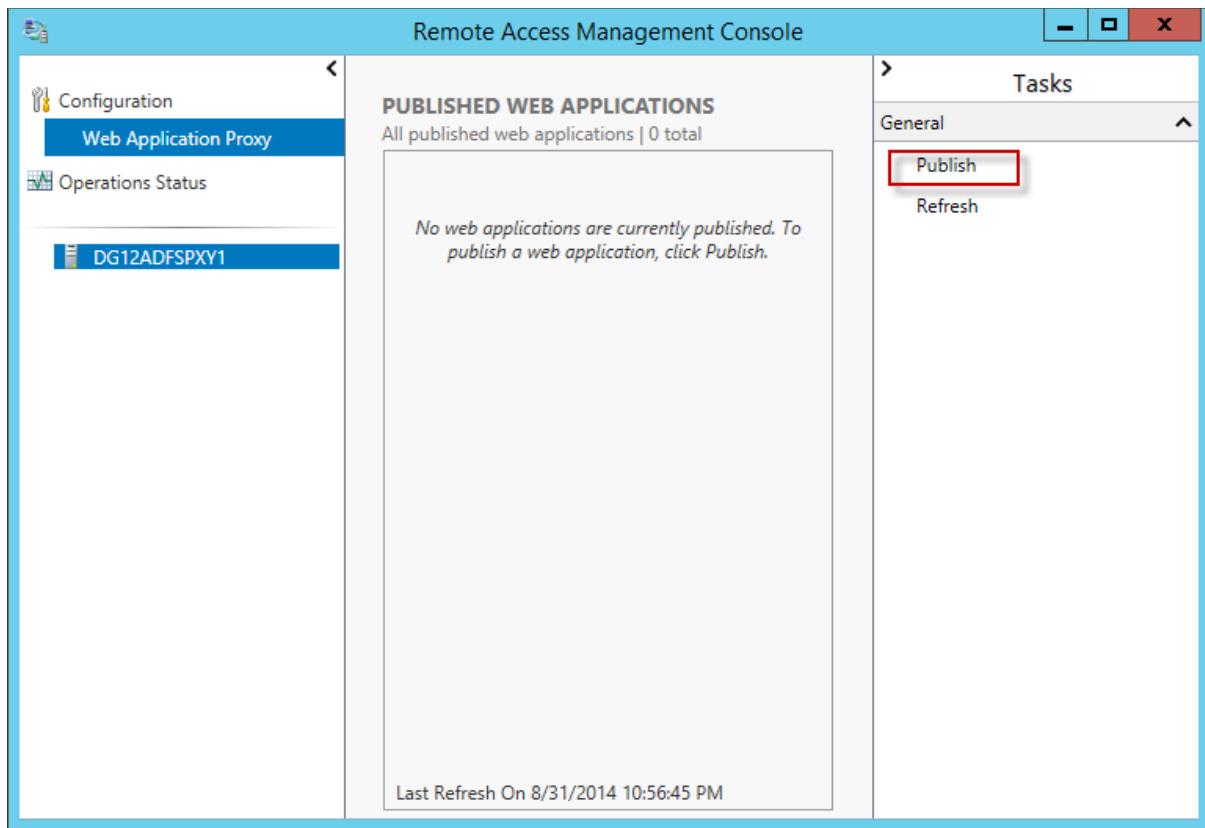


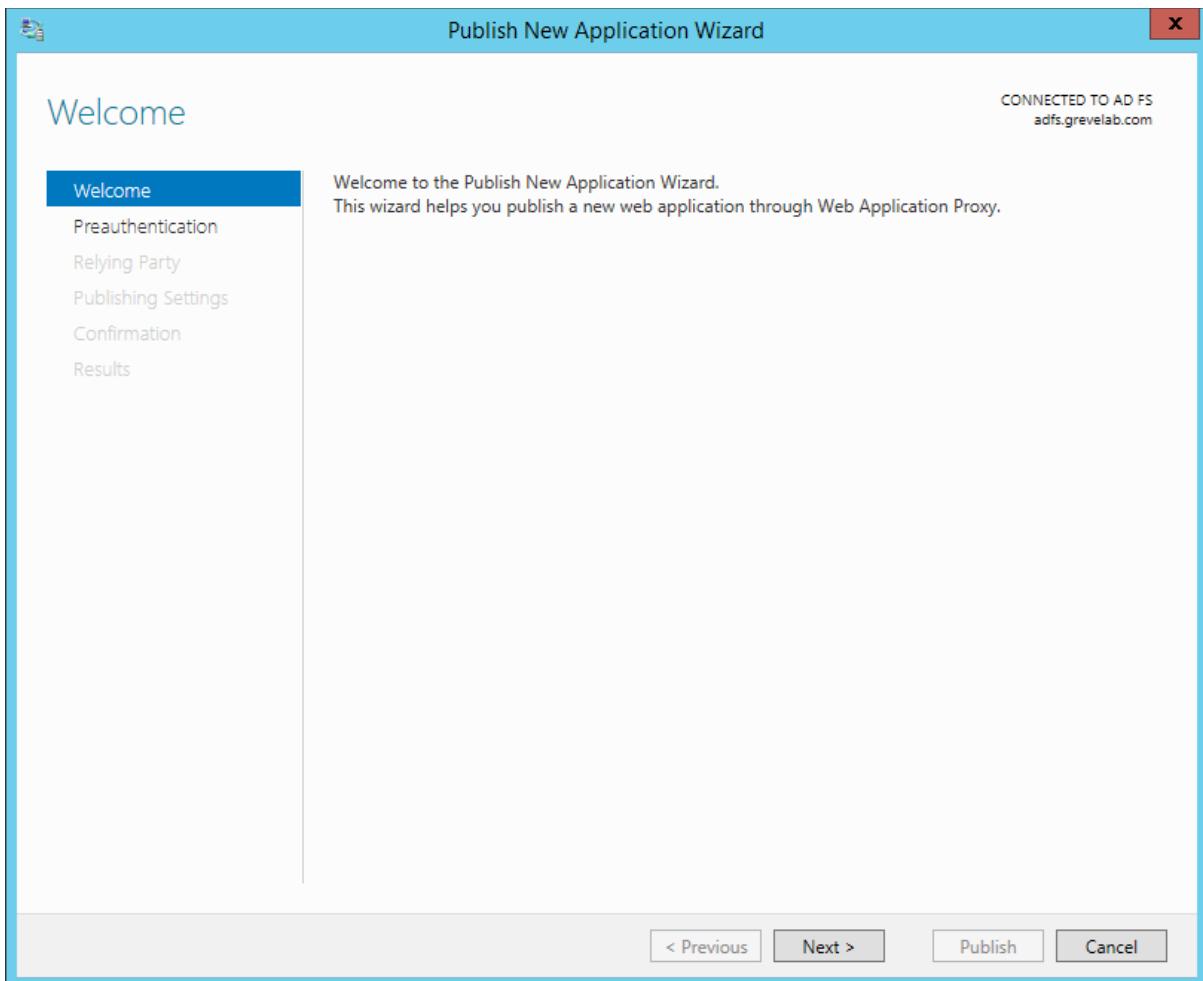


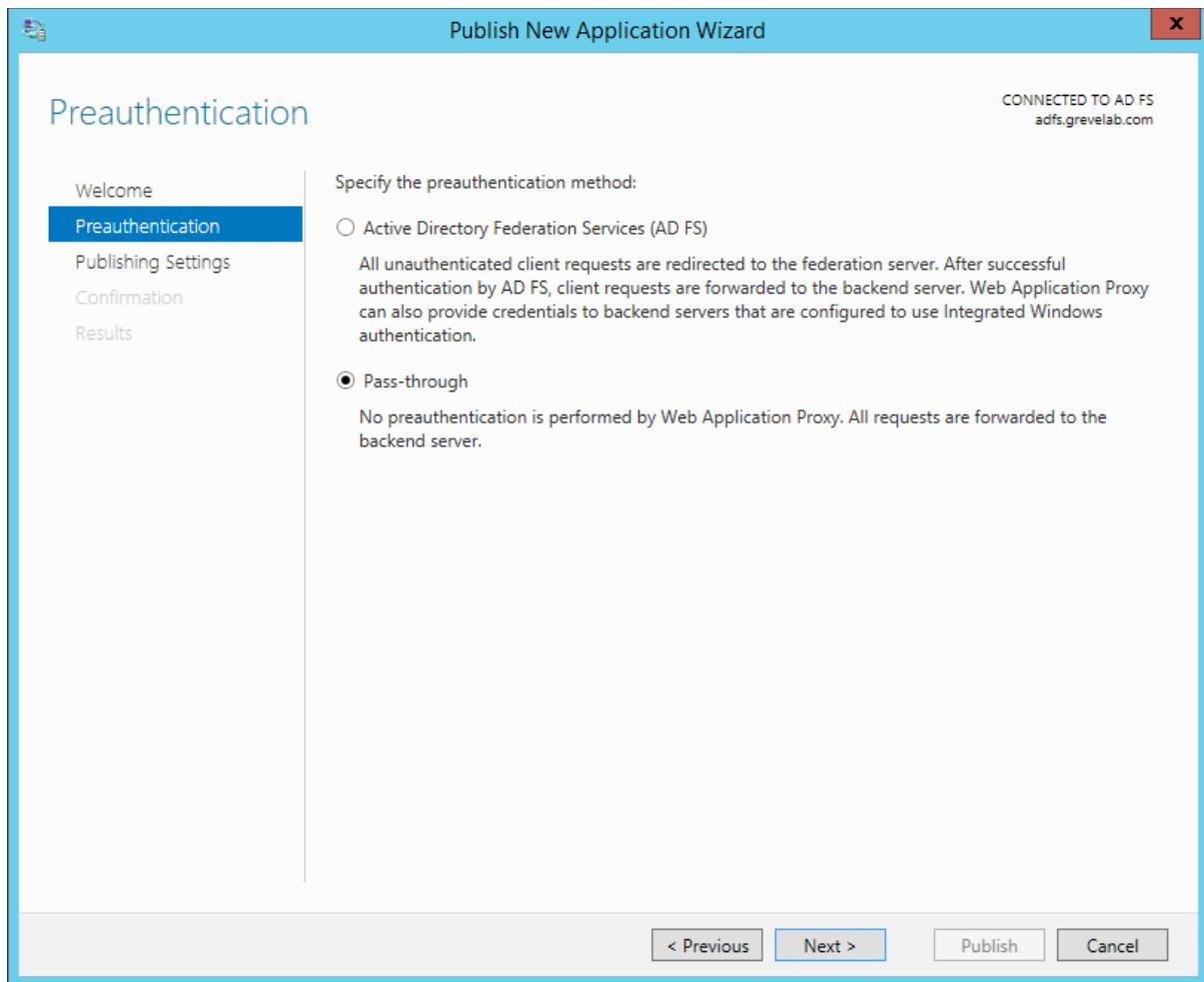












 Publish New Application Wizard X

## Publishing Settings

CONNECTED TO AD FS  
adfs.grevelab.com

Welcome  
Preauthentication  
**Publishing Settings**  
Confirmation  
Results

Specify the publishing settings for this web application.

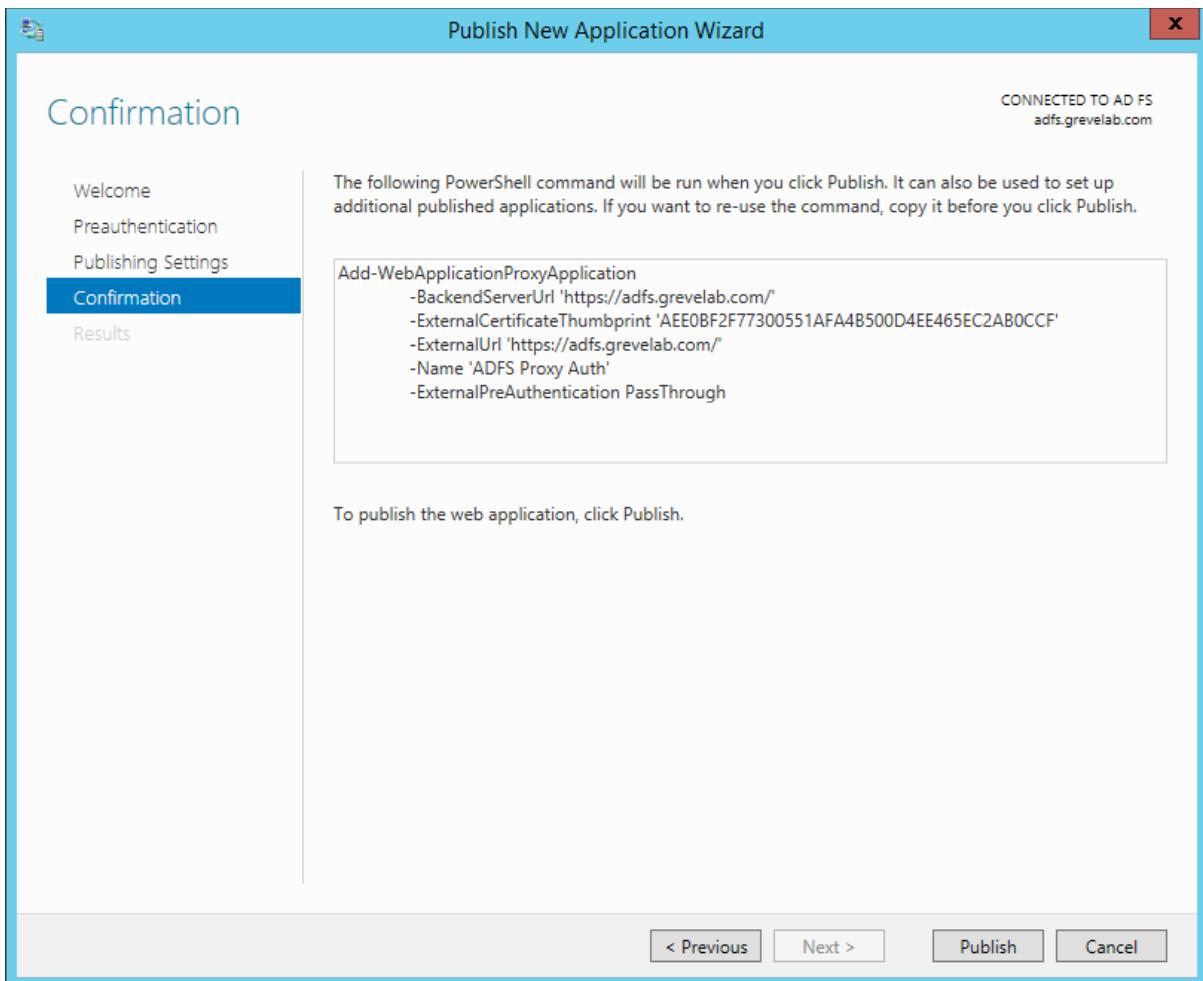
Name:   
This name will appear in the list of published web applications.

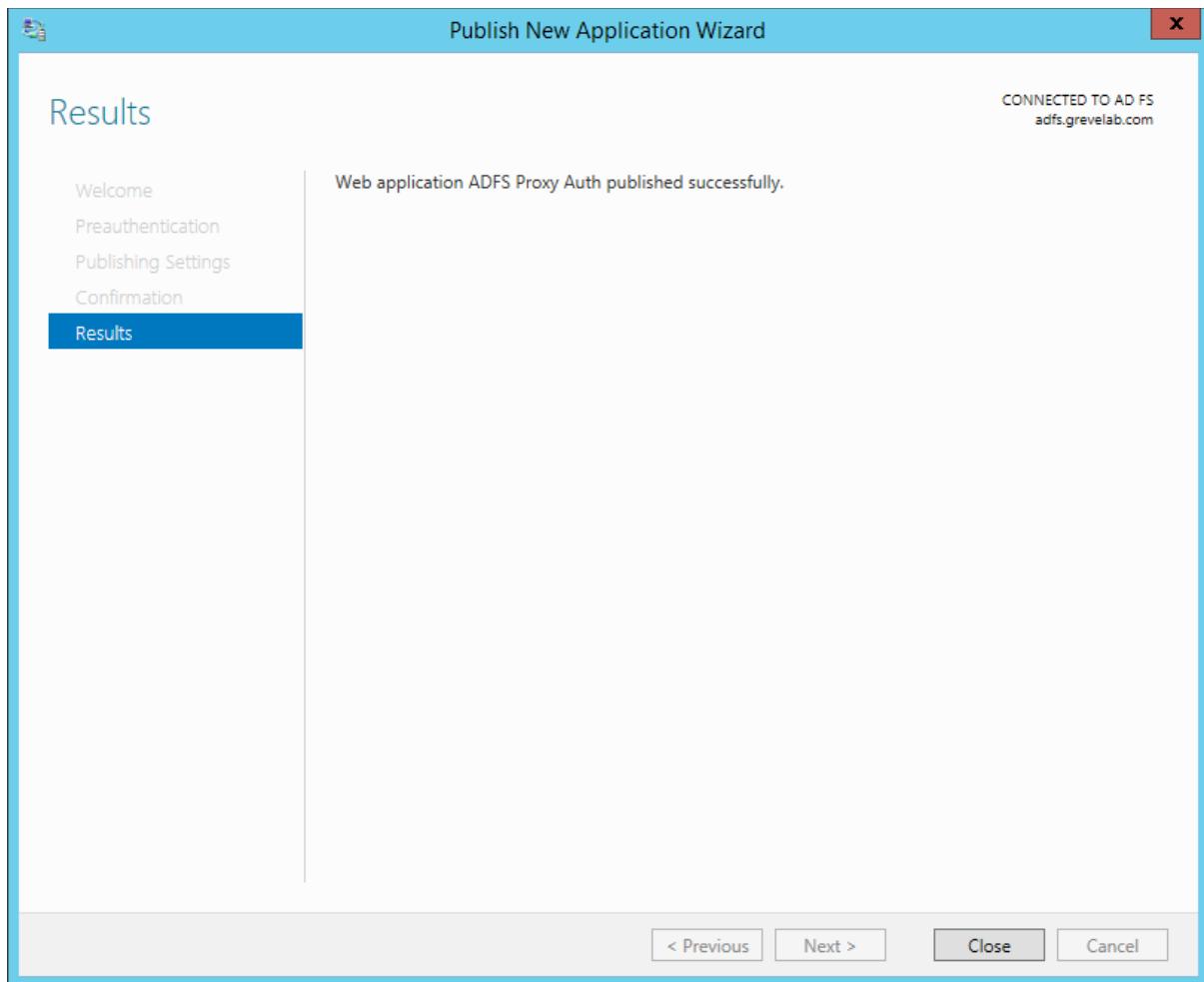
External URL:

External certificate:  View...

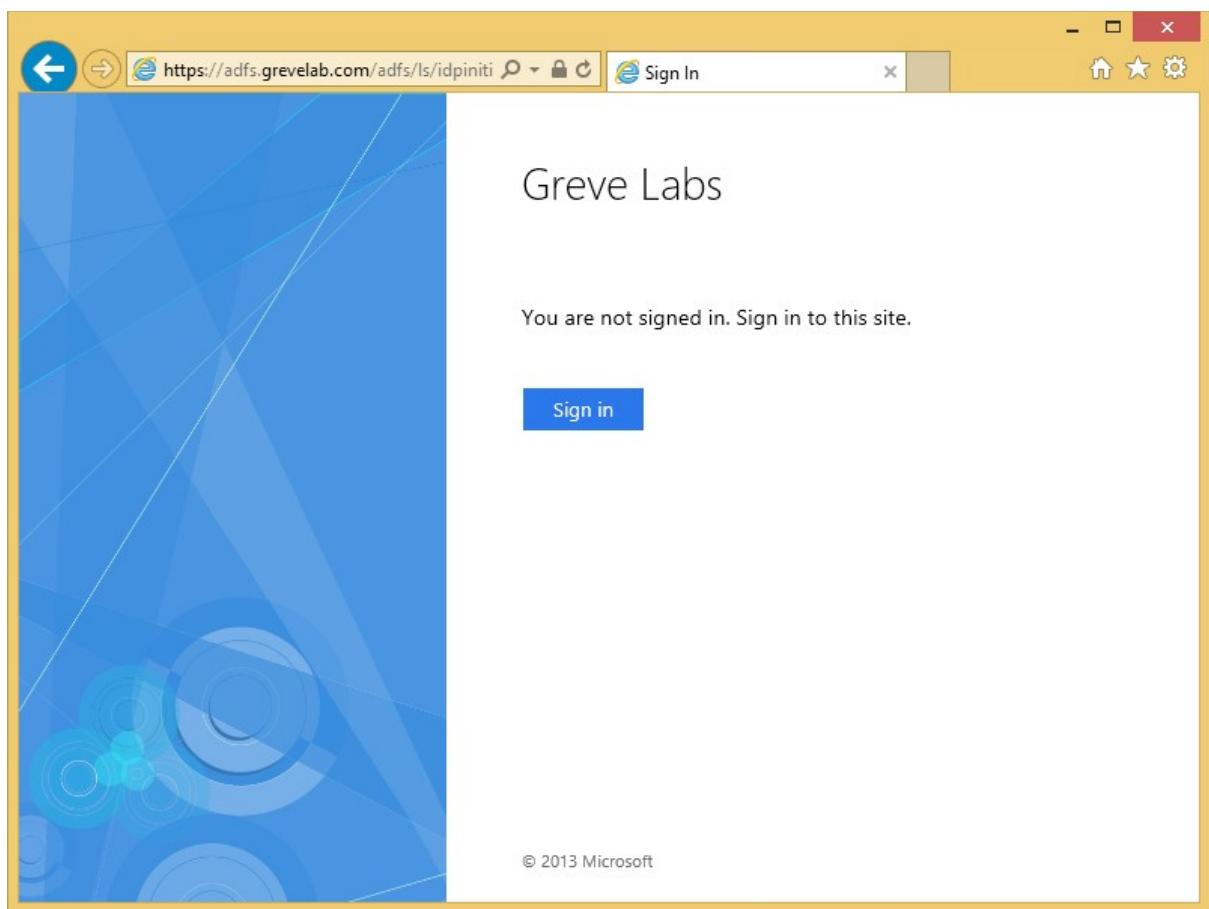
Backend server URL:

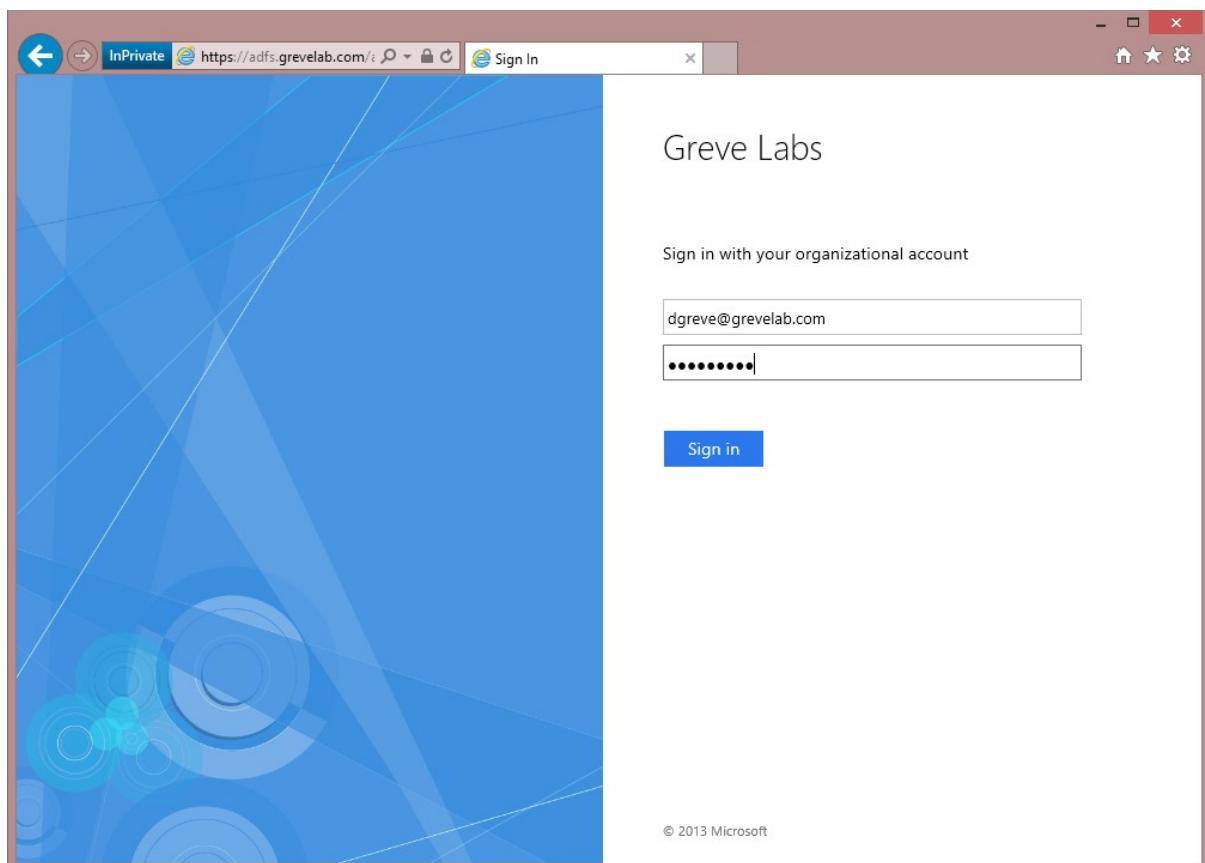
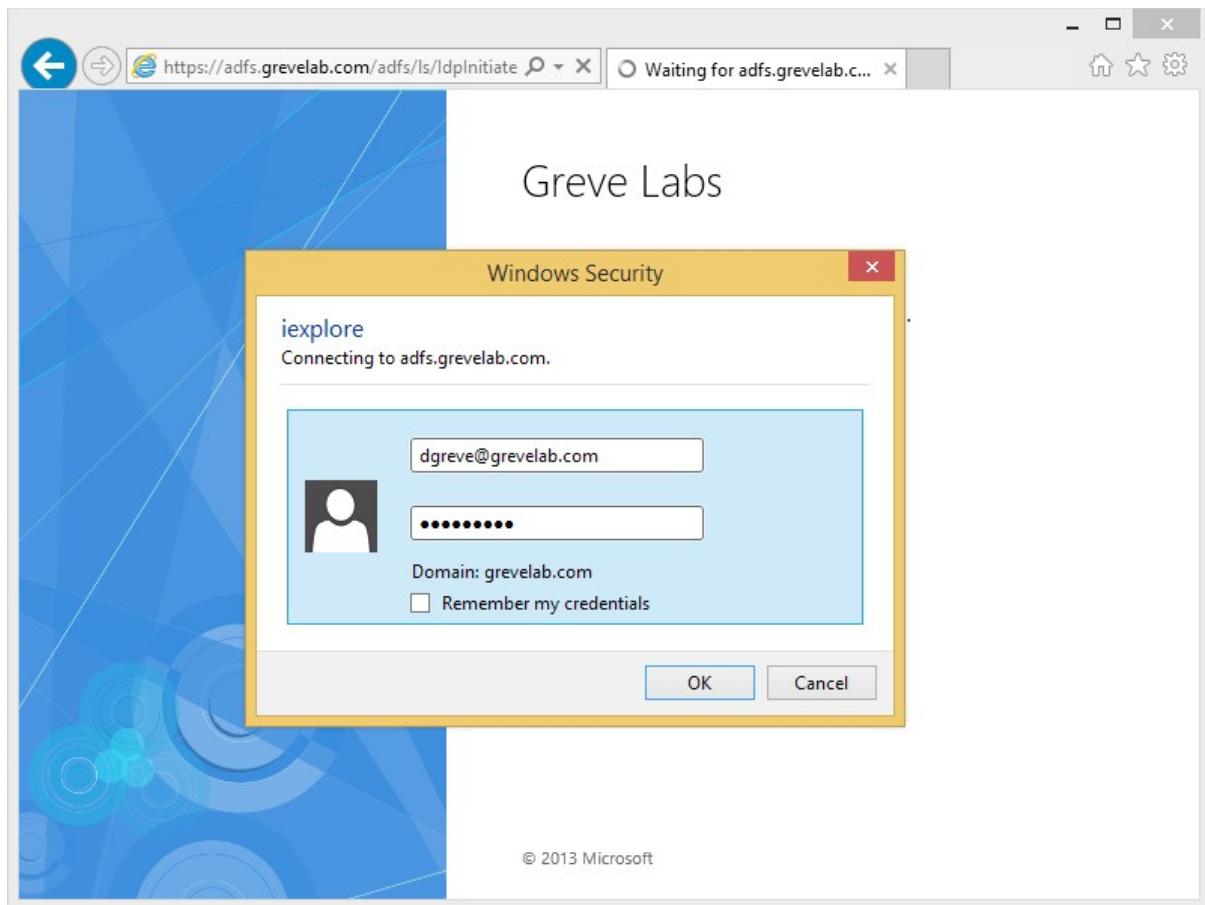
< Previous Next > Publish Cancel





The screenshot shows the 'Remote Access Management Console'. The title bar reads 'Remote Access Management Console'. The left sidebar has a tree view with 'Configuration' expanded, showing 'Web Application Proxy' which is selected and highlighted in blue. Other items include 'Operations Status' and 'DG12ADFSPXY1'. The main content area is titled 'PUBLISHED WEB APPLICATIONS' and shows 'All published web applications | 1 total'. It lists one item: 'ADFS Proxy Auth' with the 'External URL' as 'https://adfs.grevelab.com/'. A 'Filter' input field is present above the list. On the right, a 'Tasks' pane is open, showing 'General' and 'ADFS Proxy Auth' sections. Under 'General', there are 'Publish' and 'Refresh' buttons. Under 'ADFS Proxy Auth', there are 'Remove' and 'Publish based on this applic...' buttons. At the bottom of the main content area, it says 'Last Refresh On 8/31/2014 11:10:31 PM'.





# Chapter 9: Deploying a Hybrid Infrastructure – Directory Synchronization

The screenshot shows the Microsoft Admin center interface. On the left, there's a navigation sidebar with links like Home, Users, Groups, Resources, Billing, Support, Settings (which is highlighted with a red box), and Services & add-ins (which is also highlighted with a red box). The main content area is titled "Home > Services & add-ins". It includes a search bar with "Add an Office Add-in" and "View All" dropdown. Below the search bar, there's a "Name" filter dropdown. The main content lists several services: Community, Cortana, Directory Synchronization (which is highlighted with a red box), Integrated Apps, and Mail.

## ↑↓ Directory Synchronization

### Active Directory preparation

Active Directory synchronization allows your company's administrators to continuously sync your existing on-premises user and group accounts with Azure Active Directory.

This option is pretty technical and isn't for everyone. Before setting up Active Directory synchronization, we'll run a few checks to better understand your environment and business needs.

[Go to the DirSync readiness wizard](#)

[Close](#)

## Office 365 Setup

# Let's check your directory

We'll scan your directory to discover how many objects you have to sync and which domains you're using now.

### Step 1

Evaluate solution



### Step 2

Verify domains



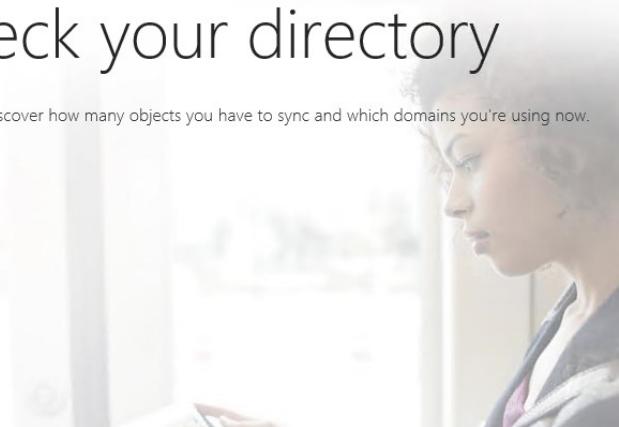
[Start scan](#)

### Step 3

Set up Azure AD Connect



[Back](#)



## Evaluating directory synchronization setup

Running diagnostics requires installing an app on your machine. This app assists in identifying any issues in your environment.

(Cancel will take you back to the previous page without diagnosis)

[Click here to learn what this feature does](#)

[Run checks](#)

[Cancel](#)



**Evaluation scan completed successfully, return to directory synchronization setup wizard**

All results [Issues](#)

There are no items to show in this view.

## Office 365 Setup

# Let's check your directory

We'll scan your directory to discover how many objects you have to sync and which domains you're using now.

### Step 1

Evaluate solution



Scan complete. Click Next to see your results.

### Step 2

Verify domains



### Step 3

Set up Azure AD Connect



**Next →**

## Office 365 Setup

# Here's what we found

The last scan saved time is: Tue Jul 05 2016 12:10:47

Active Directory object type	Count
Total Active Directory objects	282
Mailbox	0
Groups	3
Contacts	0
Users	8

### Step 1

Evaluate solution



**Next →**

Scan results are saved. If you want to scan again, please [restart](#)

◀ Back

Feedback

## Office 365 Setup

# Get your domains ready

Directory synchronization sets up an ongoing relationship between your local environment and Office 365. You manage both cloud and on-premises users and groups in your local directory and changes continuously synchronize to Azure Active Directory.

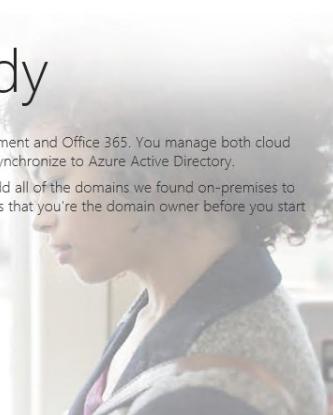
Step 1  
Evaluate solution

Step 2  
Verify domains

Step 3  
Set up Azure AD Connect

Next →

◀ Back



## Office 365 Setup

# Verify ownership of your domains

We found the following domains in your on-premises environment and added them to Office 365, and some of these domains still need to be verified.

Go to [Domains](#) and select Start setup for each domain. Complete only Step 1 – Verify domain in the Add domain wizard. When you're done, return here to continue.

Domain	Added	Verified	Notes
office365lab.local			This domain is non-routable. We don't support this type of domain. <a href="#">Learn more</a>
office365lab.co.uk	✓	✓	

Next →

Feedback

## Office 365 Setup

# Clean up your environment

We want to make sure there's smooth sailing ahead, so let's check for any errors in your local environment and clean them up before we try to sync. Here's how:

- Download and run IDFix to look for problems in your directory
- Fix any errors that are found before you move on to the next step
- Run IDFix again to make sure your changes fixed the problem. An empty table means you're good to go

Step 1  
Evaluate solution

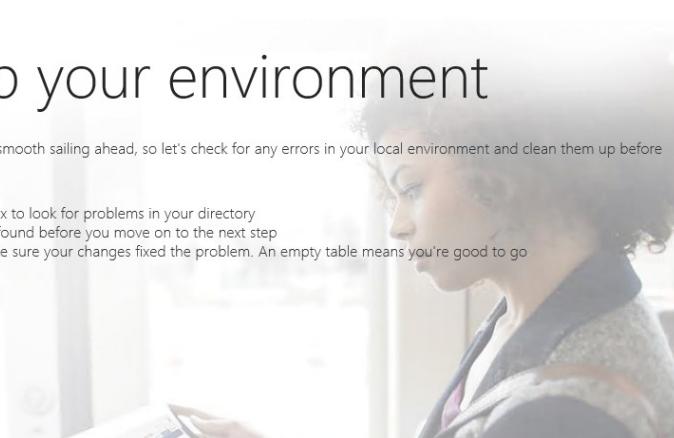
Step 2  
Verify domains

Step 3  
Set up Azure AD Connect

[Learn more about IDFix](#)

Next →

◀ Back



# Run Azure Active Directory Connect

You're all set to download and run the Azure Active Directory (AD) Connect guided experience to connect your local directory to the cloud. Here's some things you need to know before you start:

Step 1  
Evaluate solution

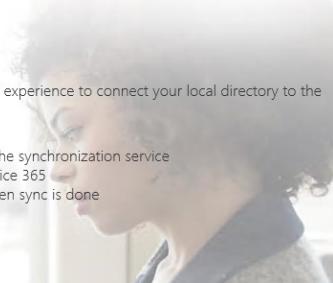


- Azure AD Connect has to be installed on the Windows Server that will run the synchronization service
- You have to be an enterprise admin on-premises and a global admin in Office 365
- It's a good idea to have a test account that you can use to verify sign-in when sync is done

Step 2  
Verify domains



[Download](#) Learn more about Azure AD Connect



Microsoft Azure Active Directory Connect

Welcome

Express Settings

## Welcome to Azure AD Connect

**Run this installation tool on the server where the synchronization service component will be installed.**

Azure Active Directory Connect integrates your on-premises and online directories.

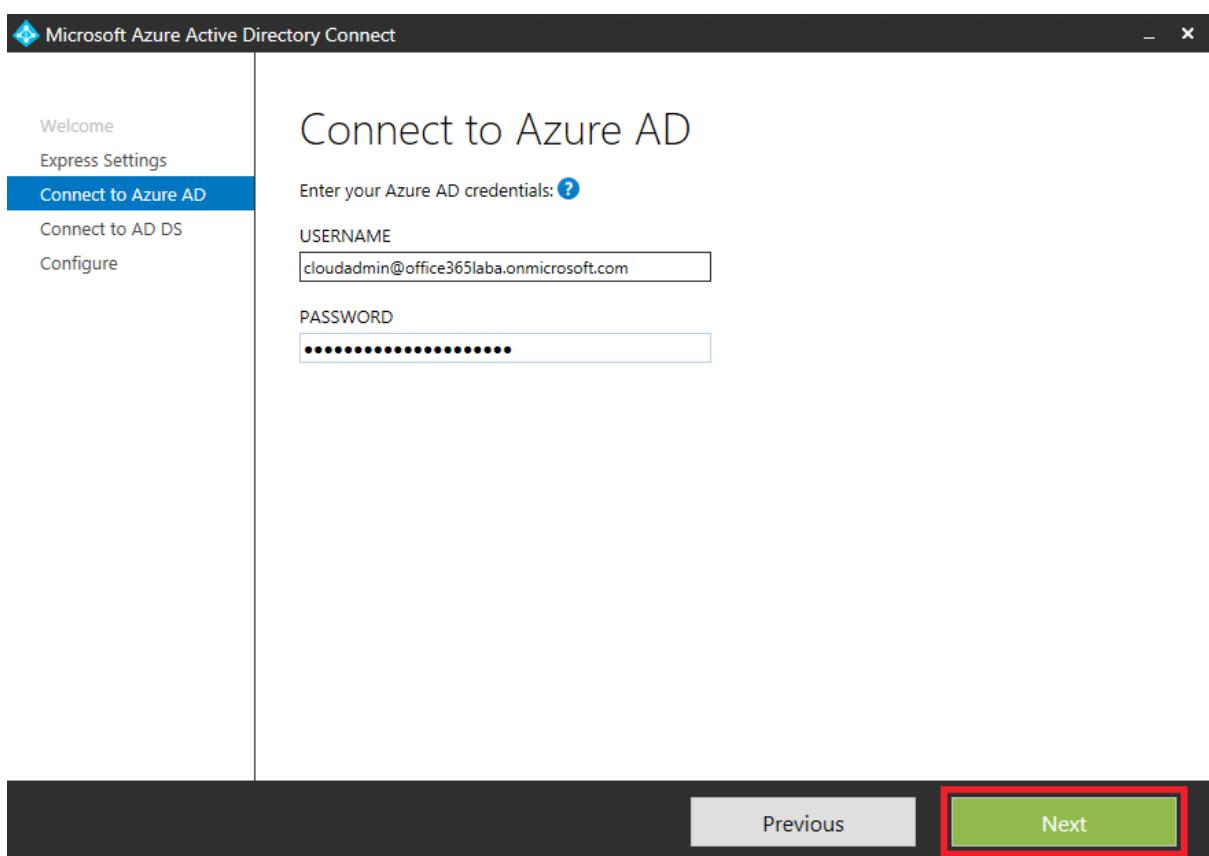
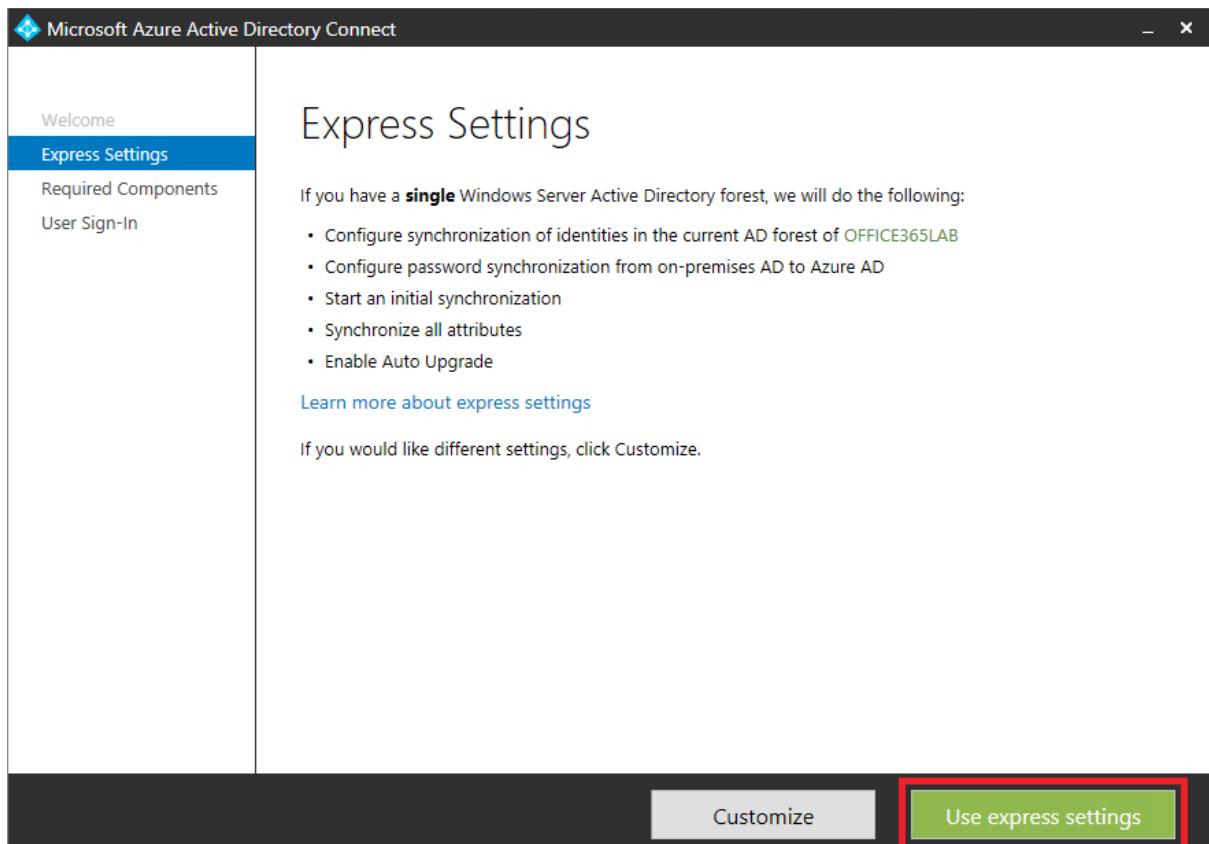
This installation tool will:

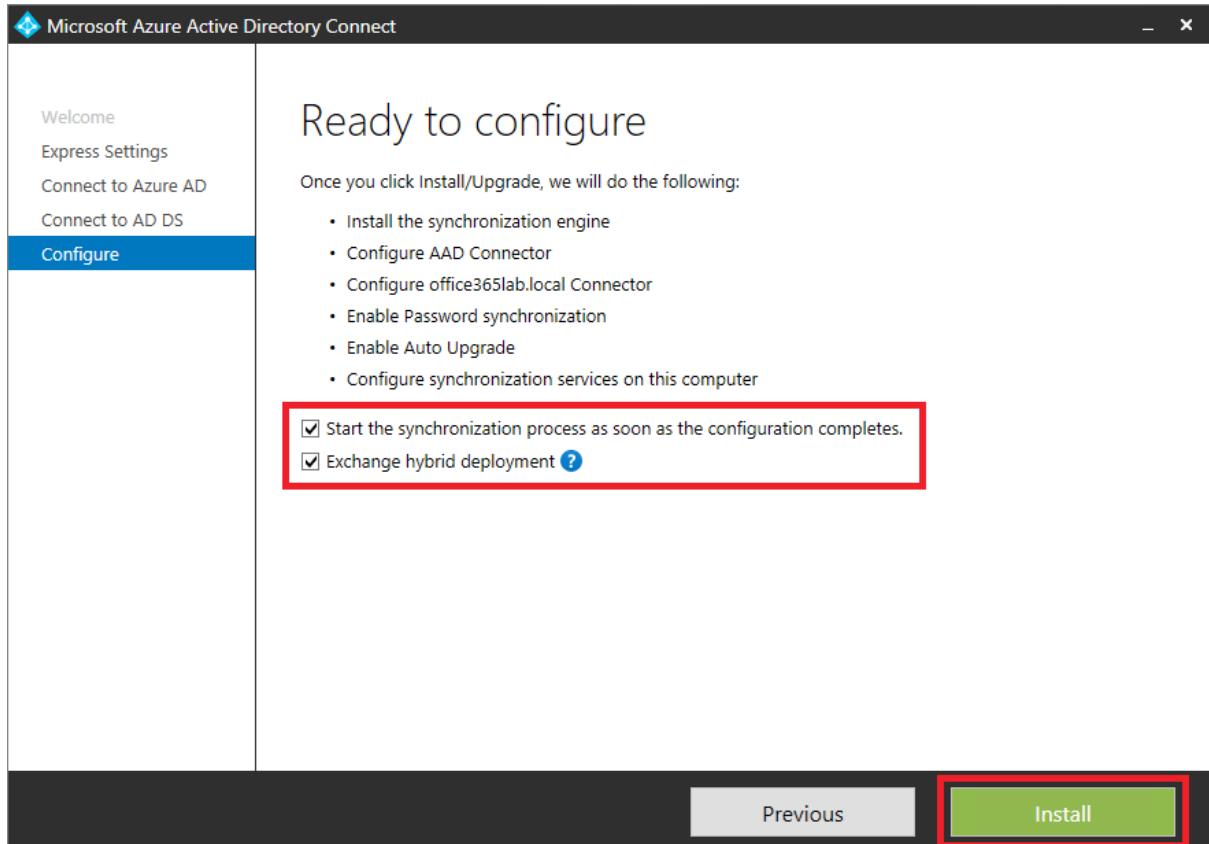
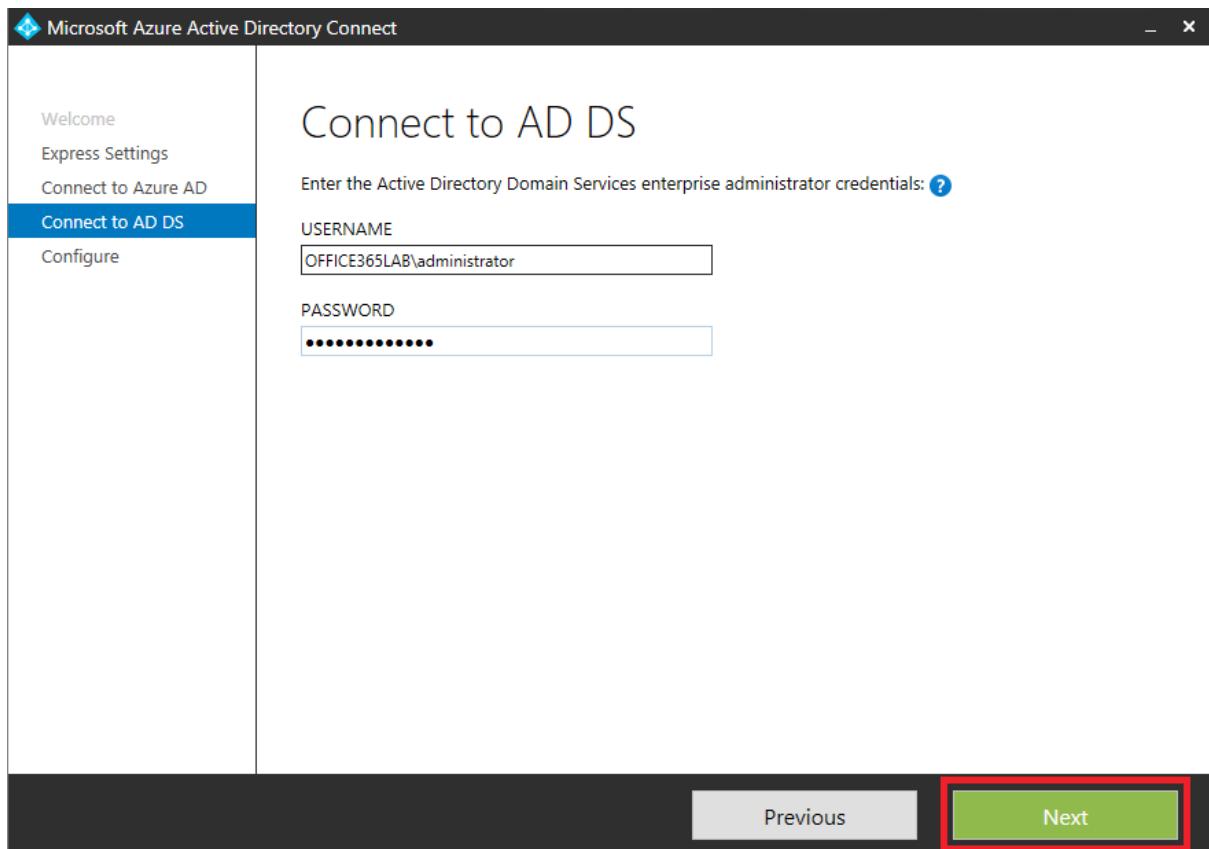
- Guide you in selecting a solution (for example, password synchronization or federation with ADFS)
- Install identity synchronization and other Microsoft software components required to deploy the selected solution
- Verify the integration of your on-premises and online directories

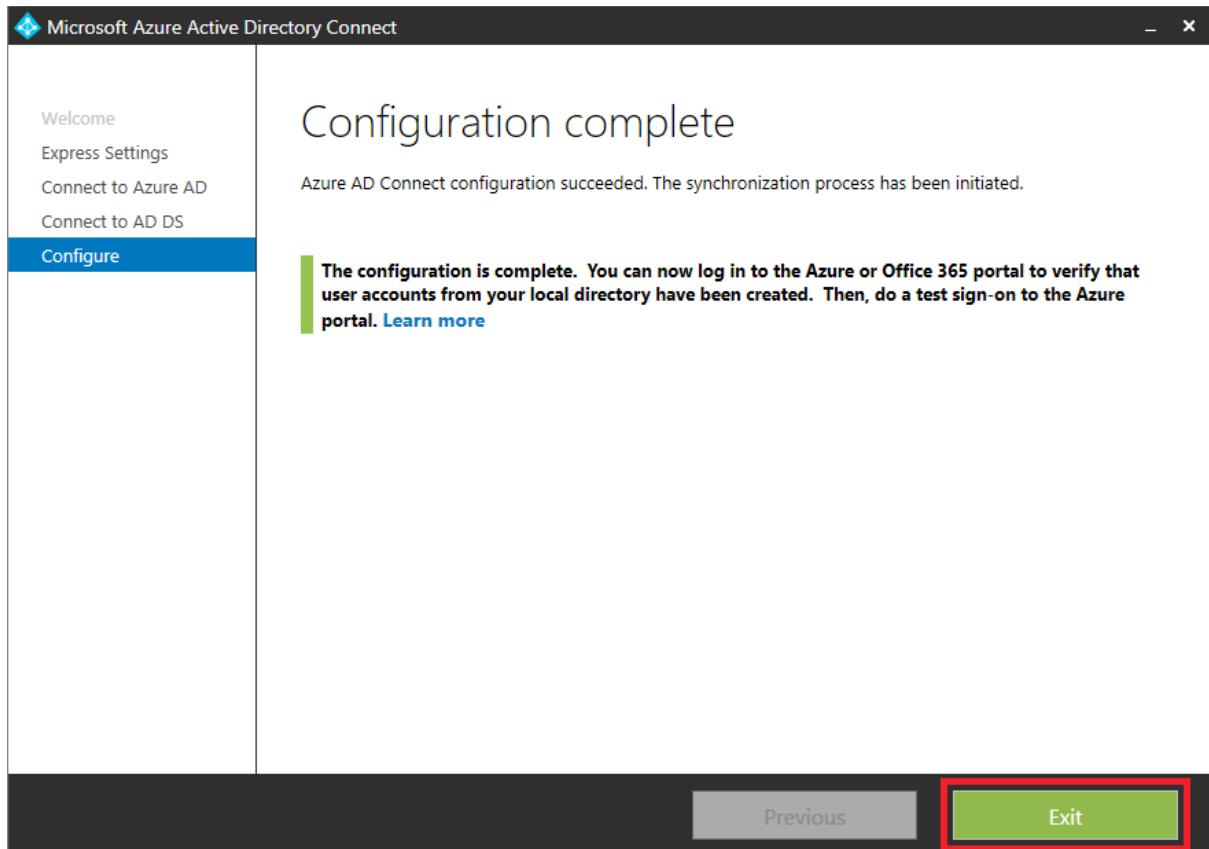
[Learn more](#)

I agree to the [license terms](#) and [privacy notice](#).

[Continue](#)







The screenshot shows the "Run Azure Active Directory Connect" section of the Office 365 Setup guide. On the left, a sidebar titled "Office 365 Setup" lists three steps: Step 1 (Evaluate solution), Step 2 (Verify domains), and Step 3 (Set up Azure AD Connect). Step 3 is currently active, indicated by a checked checkbox icon. The main content area contains a list of things to know before starting: "You're all set to download and run the Azure Active Directory (AD) Connect guided experience to connect your local directory to the cloud. Here's some things you need to know before you start:" followed by a bulleted list: "• Azure AD Connect has to be installed on the Windows Server that will run the synchronization service", "• You have to be an enterprise admin on-premises and a global admin in Office 365", and "• It's a good idea to have a test account that you can use to verify sign-in when sync is done". To the right of the text, there is a photograph of a person looking at a tablet displaying the Azure AD Connect wizard. Below the text, there is a "Next" button with a circular arrow icon, which is also highlighted with a red border. A "Feedback" button is located at the bottom right of the main content area.

## Office 365 Setup

# Make sure sync worked as expected

### Step 1

Evaluate solution

### Step 2

Verify domains

### Step 3

Set up Azure AD Connect

Directory synchronization is enabled

The last directory synchronization sync time is: Tue Jul 05 2016 12:27:39

We recommend that you do some manual checks to make sure that directory synchronization is working as expected.

- Open [Active users](#) and verify that all the users from your local directory now also have user IDs in Office 365
- Create a new user in your local directory, wait a few minutes, then verify that the new user shows up in Office 365
- Sign-in to Office 365 with a test account to make sure passwords are synced

When you're ready, click Next to learn how to activate the accounts in Office 365.

[Next →](#)

## Office 365 Setup

# Activate users

### Step 1

Evaluate solution

### Step 2

Verify domains

### Step 3

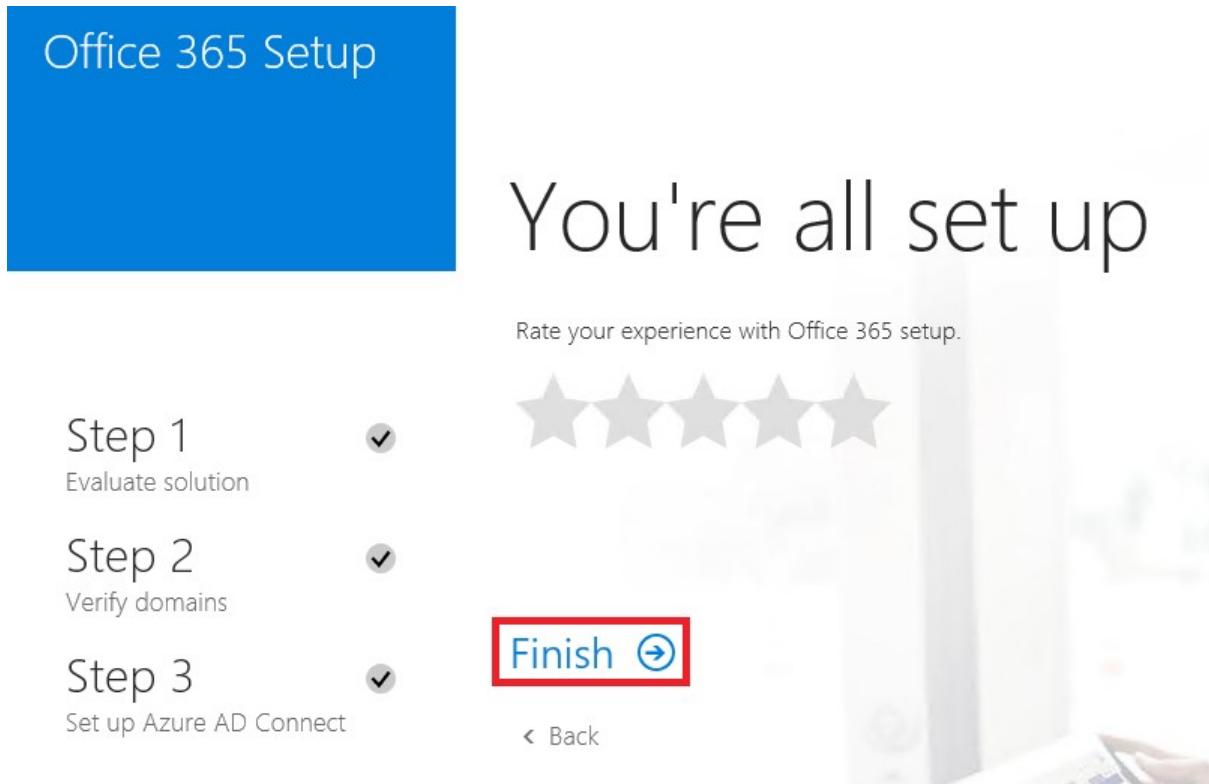
Set up Azure AD Connect

You're almost there. You just need to activate the synced users by assigning them a license. Here's how:

- Go to [Active users](#)
- Select the unlicensed users view
- Select all the users
- Activate the users to activate their accounts

[Next →](#)

◀ Back

The image shows the "Active users" page in the Office 365 Admin center. The left sidebar has a "Users" section with "Active users" selected, indicated by a red box. The main table lists users with columns for "Display name", "User name", "Status", and "Sync Type". The "Sync Type" column for all users is highlighted with a red box and shows the value "Synced with...".

	Display name	User name	Status	Sync Type
<input type="checkbox"/>	Andy Waters	andy.waters@office365lab.co.uk	Unlicensed	Synced with...
<input type="checkbox"/>	CloudAdmin	cloudadmin@Office365LabA.onmicrosoft.com	Office 365 Enterprise E3	In cloud
<input type="checkbox"/>	Exchange Online-ApplicationAccount	Exchange_Online-ApplicationAccount@Office36...	Blocked	Synced with...
<input type="checkbox"/>	Fay Williams	fay.williams@office365lab.co.uk	Unlicensed	Synced with...
<input type="checkbox"/>	HealthMailboxe327b4ab94e46a49c3...	HealthMailboxe327b4ab94e46a49c3...	Unlicensed	Synced with...
<input type="checkbox"/>	HealthMailboxa30c7cff94ec4b57ac003...	HealthMailboxa30c7cff94ec4b57ac003...	Unlicensed	Synced with...
<input type="checkbox"/>	HealthMailboxa3ee115058ff4870a273...	HealthMailboxa3ee115058ff4870a273...	Unlicensed	Synced with...
<input type="checkbox"/>	Ian Waters	ian.waters@Office365LabA.onmicrosoft.com	Unlicensed	Synced with...
<input type="checkbox"/>	LabAdmin	LabAdmin@office365lab.co.uk	Unlicensed	Synced with...
<input type="checkbox"/>	Michael Freeman	michael.freeman@Office365LabA.onmicrosoft.co...	Unlicensed	Synced with...
<input type="checkbox"/>	Nic Horrocks	nic.horrocks@office365lab.co.uk	Unlicensed	Synced with...
<input type="checkbox"/>	On-Premises Directory Synchronizatio...	Sync_ADFSSERVER_1f0c42fa9585@Office365Lab...	Unlicensed	Synced with...
<input type="checkbox"/>	Tom Owers	tom.owers@office365lab.co.uk	Unlicensed	Synced with...

Office 365 Admin center

Home > DirSync errors

This report shows errors for objects you have synced from your on-premises directory to the cloud. These are caused by attributes that are required to be unique, like UserPrincipalName and Proxy Address, being added to multiple users, groups, or contacts. To resolve the issue, ensure that the conflicting value only exists on a single object in your company. Click each error to learn more.

Provisioning error	Value	Display name	Object type
No results found			

Office 365 Admin center

Integration with local Active Directory

Company Name	Office 365 Lab
Domains verified	3
Domains not verified	0
Directory sync enabled	true
Last directory sync	last synced 3 minutes ago
Password sync enabled	true
Last password sync	last synced 5 minutes ago
Directory sync client version	1.1.130.0
IdFix Tool	<a href="#">Download IdFix Tool</a>
Directory sync service account	Sync_ADFSSERVER_1f0c42fa9585@Office365LabA.onmicrosoft.com
DirSync errors	No DirSync object errors

Identity federation with local directory

Domains configured for federation 1

 Microsoft Azure Active Directory Connect

Tasks

## Additional tasks

The required tasks for the scenario have been completed. Choose from the list below to perform additional tasks.

[View current configuration](#)

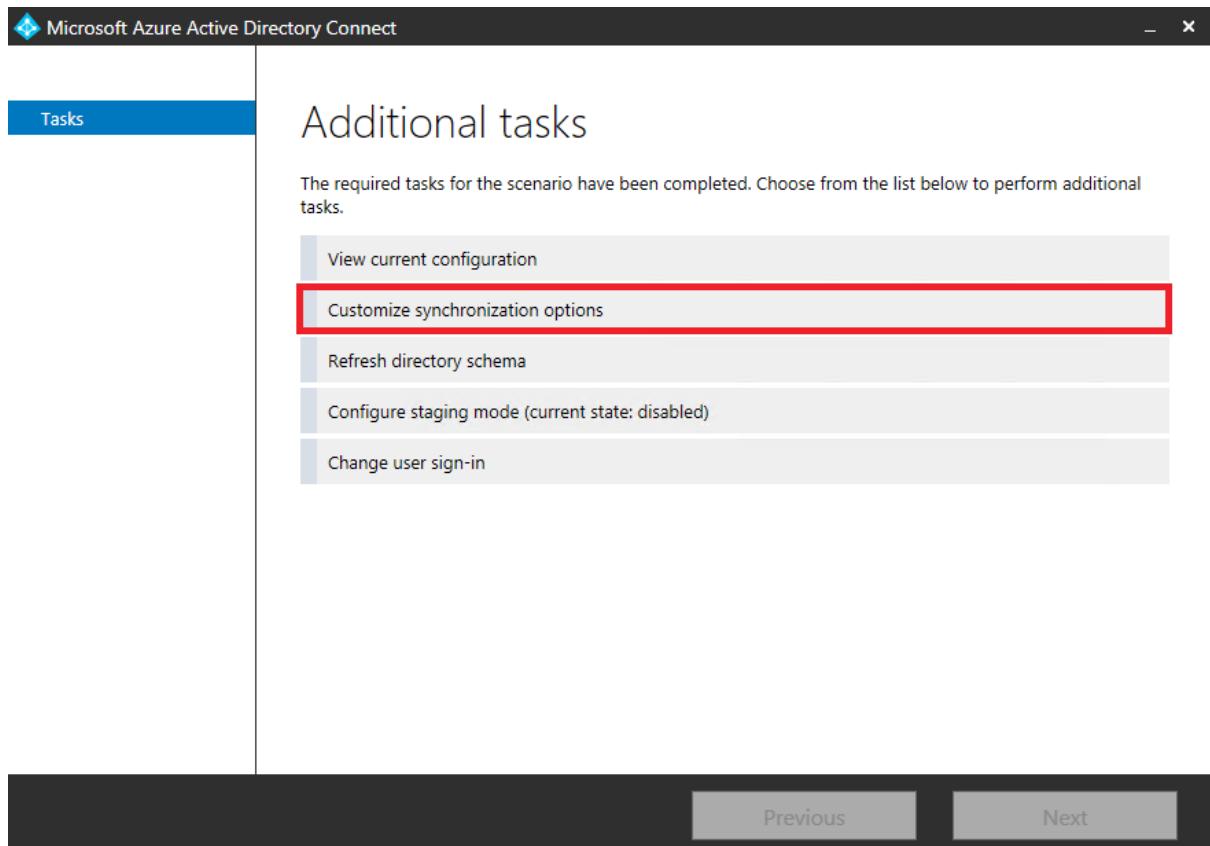
[Customize synchronization options](#)

[Refresh directory schema](#)

[Configure staging mode \(current state: disabled\)](#)

[Change user sign-in](#)

Previous      Next



 Microsoft Azure Active Directory Connect

Tasks

Connect to Azure AD

Sync

Connect Directories

**Domain/OU Filtering**

Optional Features

Configure

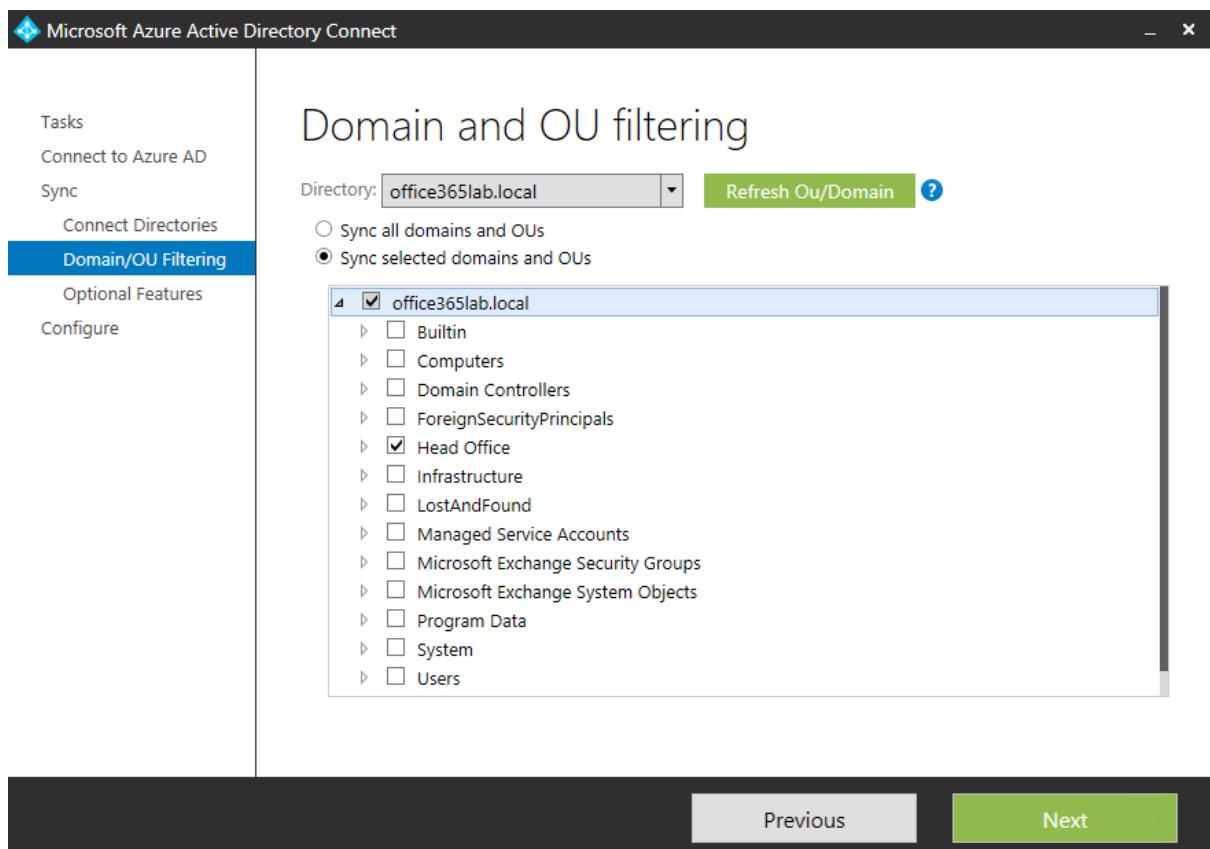
## Domain and OU filtering

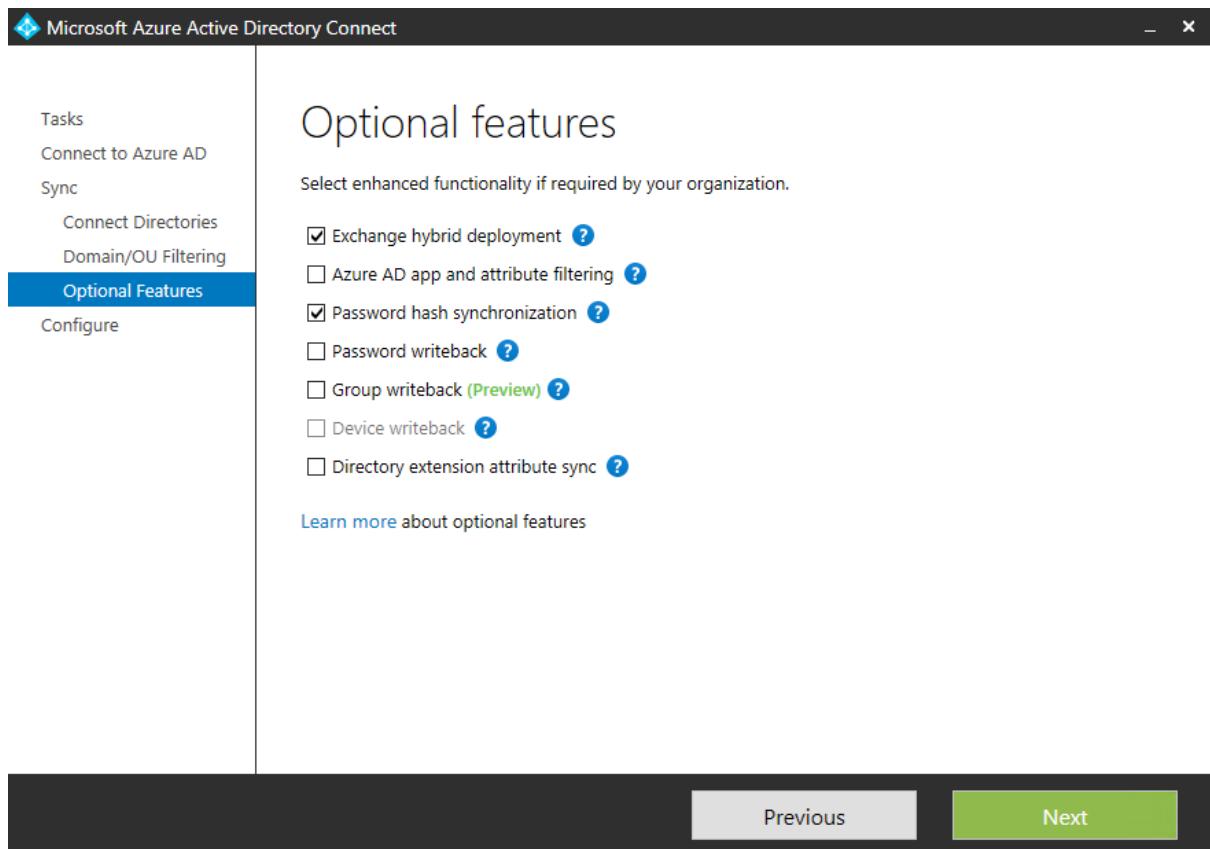
Directory:  Refresh Ou/Domain [?](#)

Sync all domains and OUs  
 Sync selected domains and OUs

<input checked="" type="checkbox"/> office365lab.local
<input type="checkbox"/> Builtin
<input type="checkbox"/> Computers
<input type="checkbox"/> Domain Controllers
<input type="checkbox"/> ForeignSecurityPrincipals
<input checked="" type="checkbox"/> Head Office
<input type="checkbox"/> Infrastructure
<input type="checkbox"/> LostAndFound
<input type="checkbox"/> Managed Service Accounts
<input type="checkbox"/> Microsoft Exchange Security Groups
<input type="checkbox"/> Microsoft Exchange System Objects
<input type="checkbox"/> Program Data
<input type="checkbox"/> System
<input type="checkbox"/> Users

Previous      Next





```
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) 2014 Microsoft Corporation. All rights reserved.

PS C:\Users\administrator.OFFICE365LAB> Get-ADSyncScheduler

AllowedSyncCycleInterval      : 00:30:00
CurrentlyEffectiveSyncCycleInterval : 00:30:00
CustomizedSyncCycleInterval   :
NextSyncCyclePolicyType       : Delta
NextSyncCycleStartTimeInUTC   : 08/05/2016 12:44:50
PurgeRunHistoryInterval      : 7.00:00:00
SyncCycleEnabled              : True
MaintenanceEnabled           : True
$StagingModeEnabled          : False
```

```
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) 2014 Microsoft Corporation. All rights reserved.

PS C:\Users\administrator.OFFICE365LAB> Start-ADSyncSyncCycle -PolicyType Delta
PS C:\Users\administrator.OFFICE365LAB> -
```

# Chapter 10: Deploying a Hybrid Infrastructure – Exchange Hybrid

The screenshot shows the Exchange admin center interface. At the top, there are two tabs: "Enterprise" (selected) and "Office 365". Below the tabs, the title "Exchange admin center" is displayed. On the left, a navigation menu lists various categories: recipients, permissions, compliance management, organization, protection, mail flow, mobile, public folders, unified messaging, servers, and tools. The "hybrid" category is highlighted with a red box. In the main content area, the title "setup" is shown above a description: "Exchange hybrid mode allows you to connect and manage your organization across both on-premises and Office 365. [Learn more](#)". Below the description are two buttons: "enable" (which is highlighted with a red box) and "modify". A large callout box with a gray border and a white background contains the word "information". Inside the box, a message states: "You must log in to Office 365 before you can run the Hybrid Configuration wizard. Please try again after you log in to Office 365." Below the message is a blue button with a circular arrow icon and the text "sign in to Office 365". At the bottom right of the callout box is a blue "cancel" button.

Enterprise   Office 365

Exchange admin center

recipients

permissions

compliance management

organization

protection

mail flow

mobile

public folders

unified messaging

servers

**hybrid**

tools

setup

Exchange hybrid mode allows you to connect and manage your organization across both on-premises and Office 365. [Learn more](#)

**enable**   modify

information

You must log in to Office 365 before you can run the Hybrid Configuration wizard. Please try again after you log in to Office 365.

sign in to Office 365

cancel



Work or school account



cloudadmin@Office365Lab...

•••••••••|

Keep me signed in

Sign in

Back

[Can't access your account?](#)

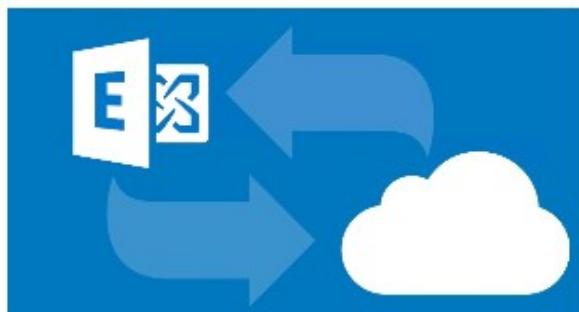


## Microsoft Office 365 Hybrid Configuration Wizard Download

To Enable or Modify your Hybrid Configuration you need to first initiate the Hybrid Configuration Wizard, to get started [click here](#)

[Click here to learn what this feature does](#)

## Hybrid Configuration Wizard



Running this wizard will configure coexistence between your on-premises environment and Exchange online.

[Learn more](#)

What does this application do?

[back](#)

[next](#)

[cancel](#)

## On-premises Exchange Server Organization

- Detect the optimal Exchange server

### EXCHANGESERVER

Domain office365lab.local  
Version Version 15.0 (Build 1178.4) CU12 StandardEvaluation Edition  
Roles Mailbox, ClientAccess

- Specify a server running Exchange 2010, 2013 or 2016

Exchange Hybrid setup requires a connection to an Exchange 2010, 2013 or 2016 server in your environment to perform management tasks. On Exchange 2010 or 2013 this must be a server running the Client Access Server role.

Client Access server:

ExchangeServer.office365lab.local

## Office 365 Exchange Online

My Office 365 organization is hosted by:

Microsoft Office 365

[★ Give Feedback](#)

back

next

cancel

## Credentials

Exchange hybrid setup needs both on-premises and Office 365 account credentials before it can continue. Both accounts must be members of the Organization Management role group.

[Learn more](#)

Enter your on-premises account credentials.

Use current Windows credentials

Domain\user name:

OFFICE365LAB\Administrator

Enter your Office 365 credentials.

Office 365 user ID:

cloudadmin@office365laba.onmicrosoft.com

Password:

\*\*\*\*\*

 [Give Feedback](#)

[back](#)

[next](#)

[cancel](#)

## Validating Connections and Credentials



★ Give Feedback

back

next

cancel

## Domain Ownership

Before proceeding to the next step, copy the following tokens and create a TXT record for each token on your public DNS to confirm domain ownership.

[Learn more](#)

Domain	Token
office365lab.co.uk	HT08K9JkB1oztr2qWrjq7H85SvyDfjFt1Ci/JHgHype+aNTkLLTnDlmjnMt34rw

[Copy to clipboard](#)

I have created a TXT record for each token in DNS.

[verify domain ownership](#)

[★ Give Feedback](#)

[back](#)

[next](#)

[cancel](#)

## Hybrid Configuration

How do you want to configure your on-premises organization for secure bi-directional mail transport with your Exchange Online organization?

[Learn more](#)

- Configure my Client Access and Mailbox servers for secure mail transport (typical)
- Configure my Edge Transport servers for secure mail transport

Centralized mail transport is an advanced feature that most organizations will not require. Enabling this feature configures your Exchange Online organization to route email to or from external recipients through your on-premises Exchange organization. Please see the Exchange setup guide for more details.

[Learn more](#)

- Enable centralized mail transport

[★ Give Feedback](#)

[back](#)

[next](#)

[cancel](#)

## Receive Connector Configuration

Choose one or more on-premises Exchange Servers to host receive connectors for secure mail transport with Exchange Online. If you are using Exchange 2013 these servers must have the Client Access Server role.

[Learn more](#)

EXCHANGESERVER 

★ [Give Feedback](#)

[back](#)

[next](#)

[cancel](#)



## Send Connector Configuration

Choose one or more on-premises Exchange Servers to host send connectors for secure mail transport with Exchange Online. If you are using Exchange 2013 these servers must have the Mailbox Server role.

[Learn more](#)

EXCHANGESERVER

★ [Give Feedback](#)

## Transport Certificate

Choose a certificate to use with securing hybrid mail transport.

[Learn more](#)

### \*.office365lab.co.uk

Subject CN=\*.office365lab.co.uk, OU=Domain Control Validated  
Issuer CN=AlphaSSL CA - SHA256 - G2, O=GlobalSign nv-sa, C=BE  
Valid 8/3/2015 - 8/3/2016  
Thumbprint E10B76EAA439FEDE15B2B0CE1EA17EF301B2AB66

★ [Give Feedback](#)

[back](#)

[next](#)

[cancel](#)

## Organization FQDN

Enter a fully qualified domain name (DomainFqdn) for your on-premises organization. This will configure the outbound mail connector to route mail from the Exchange Online Protection (EOP) service to your on-premises organization.

[Learn more](#)

For example: mail.contoso.com

★ [Give Feedback](#)

[back](#)

[next](#)

[cancel](#)



## Ready for Update

Your Exchange hybrid configuration settings are now complete. Click Update to configure and enable the hybrid features in your Enterprise and Office 365 organizations.

This process may take several minutes to complete. Please don't close the window unless you want to cancel the process.

★ Give Feedback

back

update

cancel



## Configuring...

Task: Configure Organization Relationship

Phase: Configuring

Command: Enable-OrganizationCustomization



Click 'stop' to cancel the operation. Stopping the operation won't undo the changes already applied.

★ Give Feedback

stop



## Congratulations!



Hybrid services are now configured between Exchange Online in your Office 365 tenant and your on-premises Exchange environment.

How would you rate your experience?



Let us know what you liked or what we can do better.

A large text input field for feedback, with scroll bars on the right side.

Include email:

*Thank you for taking the time to send us feedback! We may not respond to each piece of feedback, but we will work hard to make sure it is reviewed.*

[Privacy policy](#)

[close](#)



## Exchange admin center

recipients

[sharing](#) apps address lists

permissions

compliance management

**organization**

protection

mail flow

mobile

public folders

unified messaging

servers

Federation Trust

A federation trust has been created and requires the verification of shared domains. Select the domains that will share calendar free/busy information. [Learn more](#)

[modify](#)

[remove](#)

Organization Sharing

Enable free/busy and other calendar information sharing between federated Exchange organizations. [Learn more](#)

[+](#)

ON	NAME	DOMAINS
<input checked="" type="checkbox"/>	On-premises to O365 - e3a44881-eb36-4c80-add8...	Office365LabA.mail.onmicrosoft.com



## Exchange admin center

dashboard    sharing add-ins

recipients    Organization Sharing

permissions    Enable free/busy and other calendar information sharing between federated Exchange organizations. [Learn more](#)

compliance management

**organization**

protection    +

mail flow

mobile

public folders

1 selected of 1 total

Machine: ExchangeServer.office365lab.local

```
[PS] C:\Windows\system32>Get-WebServicesVirtualDirectory | fl Server, Name, MRSProxyEnabled
Server      : EXCHANGERSERVER
Name       : EWS <Default Web Site>
MRSProxyEnabled : True

[PS] C:\Windows\system32>_
```

Enterprise Office 365    CloudAdmin ?

## Exchange admin center

dashboard    rules message trace accepted domains remote domains **connectors**

recipients    Connectors help control the flow of email messages to and from your Office 365 organization. However, because most organizations don't need to use connectors, we recommend that you first [check to see if you should create a connector](#).

permissions    Want to help us improve connectors? Just [send us feedback](#) and let us know what you liked, didn't like, or what we can do to make your experience better.

compliance management

organization

protection

**mail flow**

mobile

public folders

unified messaging

hybrid

STATUS	NAME	FROM	TO
On	Inbound from e3a44881-eb36-4c...	Your organization's email server	Office 365
On	Outbound to e3a44881-eb36-4c...	Office 365	Your organization's email ser...

Inbound from e3a44881-eb36-4c80-add8-2551ede32b58

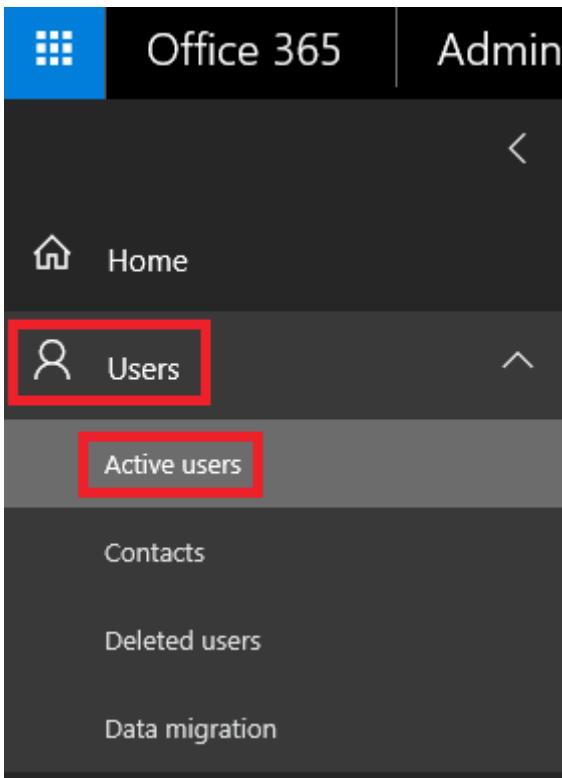
Mail flow scenario

From: Your organization's email server  
To: Office 365

Description

ZY3hCojQDDEbPC6Ix+sVLr1LiYF/DAp6/PloQpCMjbN937bv/Nm5MmLiQczF2  
oJcEo5YbzRmGLTHxwZ3k0f5PereRe5MpdrbD2doPUypFOsqrJrtDd7p8abvpP  
6kHX+u3/9g/

# Chapter 11: Performing a Hybrid Migration



The screenshot shows the Microsoft 365 Admin center interface. At the top, there's a dark header bar with the "Office 365" logo and a blue ribbon icon. Below the header, a navigation bar includes links for "Software", "Office", and "Phone & tablet". A message states: "Please contact your admin. It looks like they haven't assigned you a license for the Office desktop apps." The main content area has a dark background with white text. It features a "Home" button with a house icon, followed by a "Users" button with a person icon, which is highlighted with a red box. Below "Users" is a "Active users" button, also highlighted with a red box. Further down are buttons for "Contacts", "Deleted users", and "Data migration". A back arrow is located above the "Home" button.



Ian Waters  
ian.waters@office365lab.co.uk

## Product licenses

Location \*

United Kingdom 

Office 365 Enterprise E3



4 of 5 licenses available

Office 365 Planner Preview



Sway



Mobile Device Management for Office 365

(These licenses do not need to be individually assigned)

Yammer Enterprise



Azure Rights Management



Office 365 ProPlus



Skype for Business Online (Plan 2)



Office Online



SharePoint Online (Plan 2)



Exchange Online (Plan 2)



Assign

Cancel

Office 365

Software

Office

Tools & add-ins

Skype for Business

Phone & tablet

Install Office 365 ProPlus with the new 2016 apps (Recommended)

This will install the following apps on your computer: Word, Excel, PowerPoint, OneNote, Access, Publisher, Outlook, Skype for Business, OneDrive for Business

Word Excel PowerPoint OneNote Access Publisher Outlook Skype for Business OneDrive for Business

Language: English (United States) Version: 32-bit (Recommended) Advanced

Don't see the language you want? Install one of the languages in the list above and then install a [language accessory pack](#). Additional languages and language accessory packs don't count against your install limit.

[Review system requirements](#) [Troubleshoot installation](#)

[Install](#)

Enterprise Office 365

## Exchange admin center

dashboard mailboxes

recipients

## Exchange admin center

dashboard mailboxes groups resources contacts shared **migration**

**recipients**

permissions

compliance management

organization

Click to view the status for all current migration batches. [Status for all batches](#)

**+**

	TOTAL	SYNCED	FINAL...	FAILED
Migrate to Exchange Online	1	0	1	0
Migrate from Exchange Online				

## new migration batch

### Select a migration type

The migration type to use depends on your existing email system, how many mailboxes you want to migrate, and whether you plan to maintain some mailboxes in your on-premises organization or migrate them all to the cloud. You'll also want to consider how long the migration will take and whether user identity will be managed in your on-premises organization or in Office 365.

[Learn more](#)

- Remote move migration (supported by Exchange Server 2010 and later versions)
- Staged migration (supported by Exchange Server 2003 and Exchange Server 2007 only)
- Cutover migration (supported by Exchange Server 2003 and later versions)
- IMAP migration (supported by Exchange and other email systems)

Select this if you're planning an Exchange hybrid deployment with mailboxes both on-premises and in Exchange Online. If you plan to migrate all mailboxes to Exchange Online over a long period of time, this migration type lets you use hybrid deployment features during migration. After the migration, user identity will still be managed in your on-premises organization. You have to use this type of migration to migrate more than 1,000 Exchange 2010 or Exchange 2013 mailboxes.

[Learn more](#)

[next](#)

[cancel](#)

## new migration batch

Select the users

You can either use a CSV file to specify the users you'd like to move, or you can select mailboxes individually. [Learn more](#)

- Select the users that you want to move

+ -

DISPLAY NAME	EMAIL ADDRESS
Matt McGillen	mmcgillem@grevelab.com

- Specify the users with a CSV file

Allow unknown columns in the CSV file

1 mailboxes to migrate

## new migration batch

Confirm the migration endpoint

The connection settings for this migration batch have been automatically selected based on the migration endpoints created in your organization. [Learn more](#)

Remote MRS proxy server:

The FQDN of the Exchange server that the Mailbox Replication Service (MRS) Proxy is on.

[back](#)[next](#)[cancel](#)

## new migration batch

### Move configuration

These configuration settings will be applied to the new batch. [Learn more](#)

\*New migration batch name:

\*Target delivery domain:

Archive:

Move the primary mailbox and the archive mailbox if one exists

Move archive mailbox only, without moving primary mailbox

*This option is only valid for mailboxes on Exchange 2010 and Exchange 2013.*

Bad item limit:

Large item limit:

new migration batch

Start the batch

A new migration batch will be created after you click new. [Learn more](#)

\*After the batch is complete, a report will be sent to the following recipients. You must select at least one recipient to receive this report.

Please select the preferred option to start the batch:

- Manually start the batch later (by selecting it in the migration dashboard and then clicking Start)  
 Automatically start the batch

Please select the preferred option to complete the batch:

- Manual Complete the batch (by clicking the "Complete this migration batch" link on the right pane, after the link becomes active)  
 Automatically complete the migration batch

Enterprise Office 365 David Greve

**Exchange admin center**

dashboard mailboxes groups resources contacts shared **migration**

**recipients**

permissions compliance management organization protection mail flow mobile public folders unified messaging

Click to view the status for all current migration batches. [Status for all batches](#)

**+ • ↻ ↺ ⌂ ⌂ ...**

NAME	▲	STATUS	TOTAL	SYNCED	FINALI...	FAILED
Migration Batch 1 - ...		<b>Completed</b>	1	0	1	0

Migration Batch 1 - Test User 1

Type: Exchange remote move  
Direction: Onboarding  
Status: Completed

Mailbox status

Synced mailboxes: 0 of 1  
Finalized mailboxes: 1 of 1  
Failed mailboxes: 0

[View details](#)

Microsoft Outlook

X

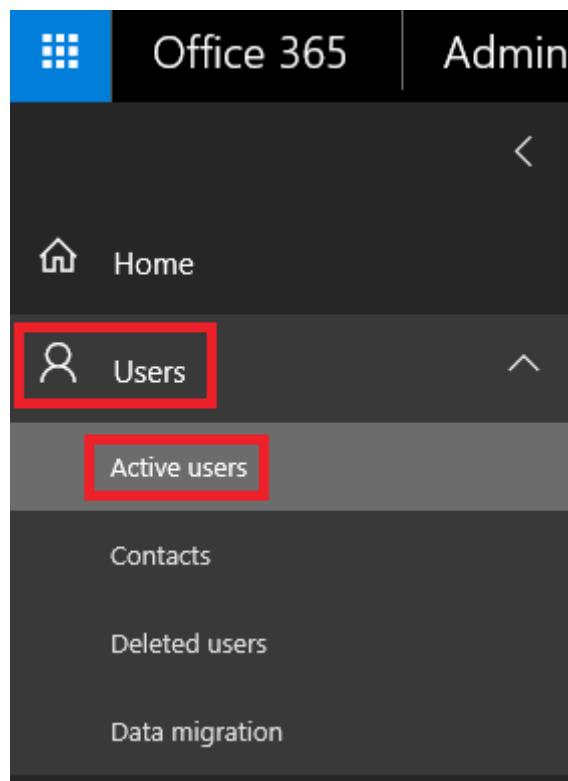


The Microsoft Exchange administrator has made a change that requires  
you quit and restart Outlook.

OK

## Chapter 12: Post Migration Considerations

The screenshot shows the Microsoft 365 Admin center interface. At the top, there's a dark header bar with the "Office 365" logo and a blue ribbon icon. Below the header, a navigation bar includes links for "Software", "Office", and "Phone & tablet". A message in the center states: "Please contact your admin. It looks like they haven't assigned you a license for the Office desktop apps.".





Ian Waters  
ian.waters@office365lab.co.uk

## Product licenses

Location \*

United Kingdom 

Office 365 Enterprise E3  On

4 of 5 licenses available

Office 365 Planner Preview  On

Sway  On

Mobile Device Management for Office 365  On

(These licenses do not need to be individually assigned)

Yammer Enterprise  On

Azure Rights Management  On

Office 365 ProPlus  On

Skype for Business Online (Plan 2)  On

Office Online  On

SharePoint Online (Plan 2)  On

Exchange Online (Plan 2)  On

**Assign**

**Cancel**

Office 365

Software

Office

Tools & add-ins

Skype for Business

Phone & tablet

Install Office 365 ProPlus with the new 2016 apps (Recommended)

This will install the following apps on your computer: Word, Excel, PowerPoint, OneNote, Access, Publisher, Outlook, Skype for Business, OneDrive for Business

Word Excel PowerPoint OneNote Access Publisher Outlook Skype for Business OneDrive for Business

Language: English (United States) Version: 32-bit (Recommended) Advanced

Don't see the language you want? Install one of the languages in the list above and then install a [language accessory pack](#). Additional languages and language accessory packs don't count against your install limit.

[Review system requirements](#) [Troubleshoot installation](#)

[Install](#)

Enterprise Office 365

## Exchange admin center

dashboard mailboxes

recipients

## Exchange admin center

dashboard mailboxes groups resources contacts shared **migration**

**recipients**

permissions

compliance management

organization

Click to view the status for all current migration batches. [Status for all batches](#)

**+**

	TOTAL	SYNCED	FINAL...	FAILED
Migrate to Exchange Online	1	0	1	0
Migrate from Exchange Online				

## new migration batch

### Select a migration type

The migration type to use depends on your existing email system, how many mailboxes you want to migrate, and whether you plan to maintain some mailboxes in your on-premises organization or migrate them all to the cloud. You'll also want to consider how long the migration will take and whether user identity will be managed in your on-premises organization or in Office 365.

[Learn more](#)

- Remote move migration (supported by Exchange Server 2010 and later versions)
- Staged migration (supported by Exchange Server 2003 and Exchange Server 2007 only)
- Cutover migration (supported by Exchange Server 2003 and later versions)
- IMAP migration (supported by Exchange and other email systems)

Select this if you're planning an Exchange hybrid deployment with mailboxes both on-premises and in Exchange Online. If you plan to migrate all mailboxes to Exchange Online over a long period of time, this migration type lets you use hybrid deployment features during migration. After the migration, user identity will still be managed in your on-premises organization. You have to use this type of migration to migrate more than 1,000 Exchange 2010 or Exchange 2013 mailboxes.

[Learn more](#)

[next](#)

[cancel](#)

## new migration batch

Select the users

You can either use a CSV file to specify the users you'd like to move, or you can select mailboxes individually. [Learn more](#)

- Select the users that you want to move

+ -

DISPLAY NAME	EMAIL ADDRESS
Matt McGillen	mmcgillem@grevelab.com

- Specify the users with a CSV file

Allow unknown columns in the CSV file

1 mailboxes to migrate

## new migration batch

Confirm the migration endpoint

The connection settings for this migration batch have been automatically selected based on the migration endpoints created in your organization. [Learn more](#)

Remote MRS proxy server:

The FQDN of the Exchange server that the Mailbox Replication Service (MRS) Proxy is on.

[back](#)[next](#)[cancel](#)

## new migration batch

### Move configuration

These configuration settings will be applied to the new batch. [Learn more](#)

\*New migration batch name:

\*Target delivery domain:

Archive:

Move the primary mailbox and the archive mailbox if one exists

Move archive mailbox only, without moving primary mailbox

*This option is only valid for mailboxes on Exchange 2010 and Exchange 2013.*

Bad item limit:

Large item limit:

new migration batch

Start the batch

A new migration batch will be created after you click new. [Learn more](#)

\*After the batch is complete, a report will be sent to the following recipients. You must select at least one recipient to receive this report.

Please select the preferred option to start the batch:

- Manually start the batch later (by selecting it in the migration dashboard and then clicking Start)  
 Automatically start the batch

Please select the preferred option to complete the batch:

- Manual Complete the batch (by clicking the "Complete this migration batch" link on the right pane, after the link becomes active)  
 Automatically complete the migration batch

Enterprise Office 365 David Greve

**Exchange admin center**

dashboard mailboxes groups resources contacts shared **migration**

**recipients**

permissions compliance management organization protection mail flow mobile public folders unified messaging

Click to view the status for all current migration batches. [Status for all batches](#)

**+ • ↻ ↺ ⌂ ⌂ ...**

NAME	▲	STATUS	TOTAL	SYNCED	FINALI...	FAILED
Migration Batch 1 - ...		<b>Completed</b>	1	0	1	0

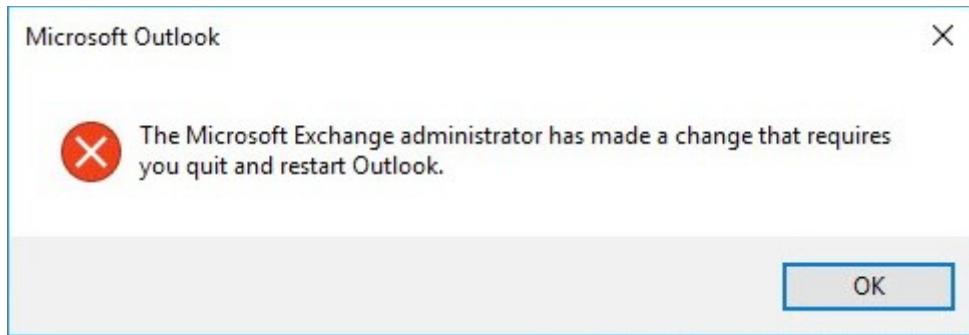
Migration Batch 1 - Test User 1

Type: Exchange remote move  
Direction: Onboarding  
Status: Completed

Mailbox status

Synced mailboxes: 0 of 1  
Finalized mailboxes: 1 of 1  
Failed mailboxes: 0

[View details](#)



Office 365 Admin

## Exchange admin center

dashboard recipients mailboxes groups resources contacts **shared** migration

permissions compliance management organization protection mail flow mobile public folders unified messaging hybrid

**New Shared Mailbox - Microsoft Edge**  
outlook.office365.com/ecp/UsersGroups/NewSharedMailbox.aspx?reqId=146:

new shared mailbox

Shared mailboxes allow a group of users to view and send email from a common mailbox and share a common calendar. [Learn more](#)

\*Display name:

\*Email address:  @ **office365lab.co.uk**

Users  
The following users have permission to view and send mail from this shared mailbox.

+ -

DISPLAY NAME

More options...

Save Cancel



Office 365

Admin

## Exchange admin center

dashboard

mailboxes groups **resources** contacts shared migration**recipients**

permissions

compliance management

organization

protection



Room mailbox

Equipment mailbox

MAILBOX TYPE

EMAIL ADDRESS

There are no items to show in this view.

## new room mailbox

A room mailbox is a resource mailbox that's assigned to a physical location. Users can easily reserve rooms by including room mailboxes in meeting requests. Just select the room mailbox from the list and edit properties, such as booking requests or mailbox delegation. [Learn more](#)

\*Room name:

\*Email address:

 @  

Location:

Phone:

Capacity:

Save

Cancel

```
Machine: ExchangeServer.office365lab.local
[PSS] C:\publichybridsync>./Sync-MailPublicFolders.ps1 -Credential <Get-Credential> -CsvSummaryFile:sync_summary.csv
cmdlet Get-Credential at command pipeline position 1
Supply values for the following parameters:
Credential
[16/05/2016 20:01:58] Creating an Exchange Online remote session...
[16/05/2016 20:02:19] Exchange Online remote session created successfully.
[16/05/2016 20:02:19] Enumerating local mail enabled public folders...
[16/05/2016 20:02:30] Mail public folders enumeration completed: 7 local folder(s) found.
[16/05/2016 20:02:30] Enumerating Exchange Online mail enabled public folders...
[16/05/2016 20:02:31] Mail public folders enumeration completed: 0 Exchange Online folder(s) found.

Sync local changes to Exchange Online
The following local mail public folder changes were detected and will be applied to Exchange Online: 7 object(s)
created, 0 updated and 0 deleted. Do you really want to proceed?
[EN] No [Y] Yes [?] Help <default is "N">: Y
[16/05/2016 20:03:00] Syncing of mail public folder objects into Active Directory completed: 7 objects created, 0 object
s updated and 0 objects deleted.
[PSS] C:\publichybridsync>
```

```
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) 2015 Microsoft Corporation. All rights reserved.

PS C:\WINDOWS\system32> $UserCredential = Get-Credential
cmdlet Get-Credential at command pipeline position 1
Supply values for the following parameters:
Credential
PS C:\WINDOWS\system32> $Session = New-PSSession -ConfigurationName Microsoft.Exchange -ConnectionUri https://outlook.office
365.com/powershell-liveid/ -Credential $UserCredential -Authentication Basic -AllowRedirection
PS C:\WINDOWS\system32> Import-PSSession $Session
WARNING: The names of some imported commands from the module 'tmp_eiwtquid.pot' include unapproved verbs that
might make them less discoverable. To find the commands with unapproved verbs, run the Import-Module command
again with the Verbose parameter. For a list of approved verbs, type Get-Verb.

ModuleType Version    Name                                ExportedCommands
----- 1.0          tmp_eiwtquid.pot                      {Add-AvailabilityAddressSpace, Add-DistributionGroupM...
PS C:\WINDOWS\system32>
```

```
Windows PowerShell
PS C:\Users\ian> Set-OrganizationConfig -PublicFoldersEnabled Remote -RemotePublicFolderMailboxes PFMailbox1
PS C:\Users\ian> get-organizationconfig | fl *public*

DefaultPublicFolderAgeLimit      :
DefaultPublicFolderIssueWarningQuota : 1.7 GB (1,825,361,920 bytes)
DefaultPublicFolderProhibitPostQuota : 2 GB (2,147,483,648 bytes)
DefaultPublicFolderMaxItemSize    : Unlimited
DefaultPublicFolderDeletedItemRetention : 30.00:00:00
DefaultPublicFolderMovedItemRetention : 7.00:00:00
PublicFoldersLockedForMigration : False
PublicFolderMigrationComplete    : False
PublicFoldersEnabled             : True
PublicComputersDetectionEnabled  : False
RootPublicFolderMailbox          : 00000000-0000-0000-0000-000000000000
RemotePublicFolderMailboxes       : {PFMAILBOX1}

PS C:\Users\ian>
```

All Public Folders - Public Folders - andy.waters@office365lab.co.uk - Outlook

File Home Send / Receive Folder View Tell me what you want to do...

New New Items Post Junk Delete Post Reply Reply Forward All More Move to: ? To Manager Team Email Reply & Delete IM More Quick Steps

Move Done Create New Rules Move

Junk Email Notes Outbox RSS Subscriptions Sync Issues Tasks Search Folders Groups Favorite Group Calendars

Search All Public Folders (C...) Current Folder

All Unread By Date Newest ↓ We didn't find anything to show here.

public folders - andy.waters@office365lab.co.uk

All Public Folders

- Customer Services
- HR
- Marketing
  - Advertising
  - Design
  - Product Development
  - Sales
- Favorites



Office 365 Admin center preview

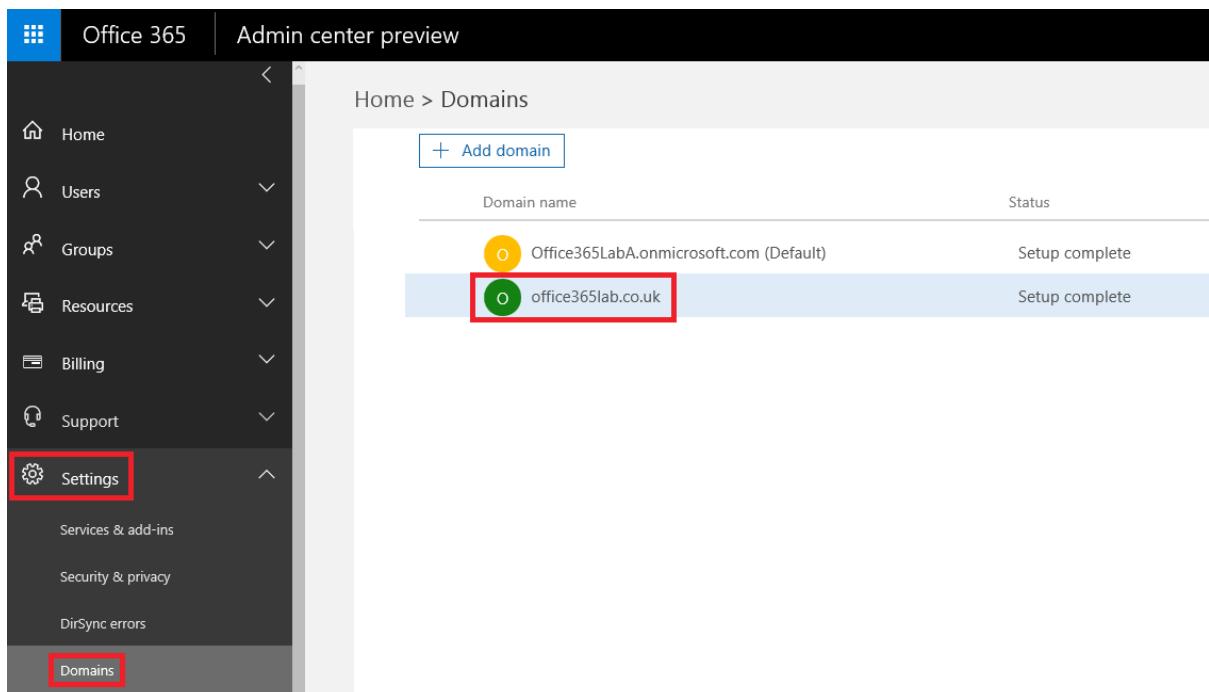
Home > Domains

+ Add domain

Domain name	Status
Office365LabA.onmicrosoft.com (Default)	Setup complete
office365lab.co.uk	Setup complete

Home Users Groups Resources Billing Support Settings Domains

Services & add-ins Security & privacy DirSync errors Domains



**office365lab.co.uk**  
Domain managed outside Office 365

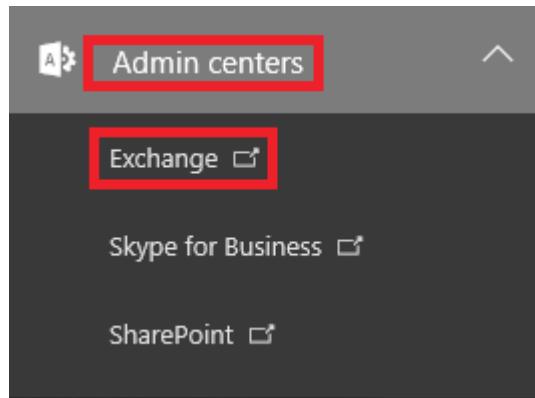
**Set as default** **DNS management** **Check DNS** **Remove**

### Required DNS settings

Your DNS records must be set to the following values for your Office 365 services to run smoothly.

#### Exchange Online

Type	Priority	Host name	Points to address or value	TTL
MX	0	@	office365lab-co-uk.mail.protection.outlook.com	1 Hour
TXT	-	@	v=spf1 include:spf.protection.outlook.com -all	1 Hour
CNAME	-	autodiscover	autodiscover.outlook.com	1 Hour



### Exchange admin center

dashboard    rules    message trace    accepted domains    remote domains    **connectors**

recipients    permissions    compliance management    organization    protection

**mail flow**

Inbound Connectors

ENABLED	NAME	CONNECTOR TYPE
<input checked="" type="checkbox"/>	Inbound from 62e56be3-abf7-47bb-8c...	On-premises

ENABLED	NAME	CONNECTOR TYPE	
<input checked="" type="checkbox"/>	Outbound to 62e56be3-abf7-47bb-8c1...	On-premises	<p>Outbound Delivery Smart host based onprem.office365lab.co.uk</p> <p>Scope Outbound domains: *</p> <p>Connector Security</p>

Outbound to 62e56be3-abf7-47bb-8c18-eefbf1be65a0b

Help

general      scope      security      delivery      **scope**

Use for Criteria Based Routing (CBR)

Route all accepted domains through this connector

\*Recipient domains:  
Specify the outbound domains that should be applied to this connector.

[edit domain -- Webpage Dialog](https://outlook.office365.com/ecp/Connectors/DomainEntry.aspx?new=false)

<https://outlook.office365.com/ecp/Connectors/DomainEntry.aspx?new=false>

edit domain

Specify the domain name, with or without wildcards.  
Example: \* or \*.contoso.com or \*.com

\*.office365lab.co.uk

**ok** **cancel**

Outbound to 62e56be3-abf7-47bb-8c18-eefbf1be65a0b

general      scope      security      delivery      **scope**

Use for Criteria Based Routing (CBR)

Route all accepted domains through this connector

\*Recipient domains:  
Specify the outbound domains that should be applied to this connector.

[edit domain -- Webpage Dialog](#)

[https://outlook.office365.com/ecp/Connectors/DomainEntry.aspx?new=false](#)

edit domain

Specify the domain name, with or without wildcards.  
Example: \* or \*.contoso.com or \*.com

\*.office365lab.co.uk

# Chapter 13: Additional Hybrid Solution – Lync Online/Skype for Business

	Microsoft Visual C++ 2013 Redistributable (x64) - 12.0.21005	Microsoft Corporation	09/08/2015	20.5 MB	12.0.21005.1
	Microsoft VSS Writer for SQL Server 2012	Microsoft Corporation	15/08/2015	3.12 MB	11.2.5058.0
	Skype for Business Online, Windows PowerShell Module	Microsoft Corporation	09/08/2015	114 MB	6.0.9276.0
	SQL Server Browser for SQL Server 2012	Microsoft Corporation	15/08/2015	12.6 MB	11.2.5058.0
	Windows Fabric	Microsoft Corporation	01/08/2015	67.6 MB	1.0.1008.0

The screenshot shows the Microsoft 365 Admin center interface. On the left, there's a navigation sidebar with links like Users, Groups, Resources, Billing, Support, Settings, Reports, Health, Admin centers, Exchange, and Skype for Business. The 'Admin centers' link is highlighted with a red box. The main content area has sections for Home, Users, Billing, Office software, Message center, and Service health. The 'Admin centers' section also displays recent updates.

Date	Message	Action
Jun 09	Updated feature: Alert mails for OneDrive for Busi...	X
Jun 09	Updated Feature: Monthly feature updates for Offi...	X
Jun 08	Updated Feature: What's new in Office 365 admin...	X
18 unread messages		

The screenshot shows a web browser window with the URL <https://admin1e.online.lync.com/lscp/?language=en-GB&tenantid=portal.office.com>. The page title is "Office 365 Admin". The content area is titled "Skype for Business admin center".

The screenshot shows the "Skype for Business admin center" dashboard. The left sidebar has links for dashboard, users, organization, dial-in conferencing, meeting invitation, and tools. The main content area is titled "Welcome" and "User statistics". It displays user statistics for the organization, including the number of Skype for Business Online users, users enabled for dial-in conferencing, users in cloud, and users synced and homed online.

Statistic	Value
Skype for Business Online users:	1
Users enabled for dial-in conferencing:	0
Users in cloud:	1
Users synced and homed online:	0

Administrator: Windows PowerShell

```
PS C:\Users\administrator.OFFICE365LAB> Set-CSAccessEdgeConfiguration -AllowOutsideUsers 1 -AllowFederatedUsers 1 -UseDNs 1 -SrvRouting -EnablePartnerDiscovery $false
PS C:\Users\administrator.OFFICE365LAB>
```

Lync Server 2013

Administrator | Sign out  
5.0.8308.556 | Privacy statement

The screenshot shows the Lync Server 2013 management interface. The left sidebar has a 'Federation and External Access' section selected. The main area is titled 'Access Edge Configuration' and shows a table with one row under 'Global'. The table columns are 'Scope', 'Federated user access', 'Remote user access', and 'Anonymous user access'. There is a 'Show details...' link above the table.

Lync Server 2013

Administrator | Sign out  
5.0.8308.556 | Privacy statement

The screenshot shows the 'Edit Access Edge Configuration - Global' dialog box. It has 'Commit' and 'Cancel' buttons at the top. The 'Scope' is set to 'Global'. Under 'Enable federation and public IM connectivity', 'Enable federation and public IM connectivity' is checked. Under 'Enable remote user access', 'Enable remote user access' is checked. Under 'Enable anonymous user access to conferences', there is an unchecked checkbox. A question mark icon is in the bottom right corner of the dialog.

Administrator: Windows PowerShell

```
Windows PowerShell
Copyright (C) 2014 Microsoft Corporation. All rights reserved.

PS C:\Users\administrator.OFFICE365LAB> Remove-CSHostingProvider -Identity LyncOnline -force
PS C:\Users\administrator.OFFICE365LAB>
```

Administrator: Windows PowerShell

```
PS C:\Users\administrator.OFFICE365LAB> New-CSHostingProvider -Identity LyncOnline -ProxyFqdn "sipfed.online.lync.com" -Enabled $true -EnabledSharedAddressSpace $true -HostsOCSUsers $true -VerificationLevel UseSourceVerification -IsLocal $false -AutodiscoverUrl https://webdir.online.lync.com/Autodiscover/AutodiscoverService.svc/root
```

Identity	:	LyncOnline
Name	:	LyncOnline
ProxyFqdn	:	sipfed.online.lync.com
VerificationLevel	:	UseSourceVerification
Enabled	:	True
EnabledSharedAddressSpace	:	True
HostsOCSUsers	:	True
IsLocal	:	False
AutodiscoverUrl	:	https://webdir.online.lync.com/Autodiscover/AutodiscoverService.svc/root

PS C:\Users\administrator.OFFICE365LAB> \_

## Lync Server 2013

The screenshot shows the Lync Server 2013 Management console. The left navigation pane includes Home, Users, Topology, IM and Presence, Persistent Chat, Voice Routing, Voice Features, and Response Groups. The main content area has tabs for External Access Policy, Access Edge Configuration, SIP Federated Domains, and SIP Federated Providers. The SIP Federated Providers tab is selected, displaying a list of providers. A context menu is open over the 'federation.messenger.msn.com' row, with options like 'New', 'Edit', 'Show details...', 'Select all', and 'Delete'. The 'Delete' option is highlighted.

Type	Provider	Edge Server	Enabled
Public provider	federation.messenger.msn.com		
Hosted provider	LyncOnline	sipfed.online.lync.com	

The screenshot shows the Lync Server 2013 Management console. The left navigation pane includes Home, Users, Topology, IM and Presence, Persistent Chat, Voice Routing, Voice Features, and Response Groups. The main content area has tabs for External Access Policy, Access Edge Configuration, SIP Federated Domains, and SIP Federated Providers. The SIP Federated Domains tab is selected, displaying a list of domains. A context menu is open over the 'federation.messenger.msn.com' row, with options like 'New', 'Edit', and 'Refresh'. The 'Edit' option is highlighted.

Type	Provider	Edge Server	Enabled
Public provider	Skype	federation.messenger.msn.com	
Hosted provider			✓

## Lync Server 2013

The screenshot shows the Lync Server 2013 management console. The left sidebar contains navigation links: Home, Users, Topology, IM and Presence, Persistent Chat, Voice Routing, Voice Features, Response Groups, Conferencing, Clients, Federation and External Access (which is selected), and Monitoring and Archiving. The main content area has tabs: External Access Policy, Access Edge Configuration, SIP Federated Domains, and SIP Federated Providers (which is selected). A sub-dialog titled "Edit SIP Federated Provider - LyncOnline" is open, showing configuration options: Hosted provider (checkbox checked), Provider name: LyncOnline, Access Edge service (FQDN): sipfed.online.lync.com, and Default verification level (radio button selected for "Allow users to communicate only with people on their Contacts list who use this provider").

The screenshot shows an Administrator: Windows PowerShell window. The command history includes:

```
PS C:\Users\administrator.OFFICE365LAB> Import-Module LyncOnlineConnector
PS C:\Users\administrator.OFFICE365LAB> $cred = Get-Credential
cmdlet Get-Credential at command pipeline position 1
Supply values for the following parameters:
Credential
PS C:\Users\administrator.OFFICE365LAB> $CSSession = New-CsOnlineSession -Credential $cred
PS C:\Users\administrator.OFFICE365LAB> Import-PSSession $CSSession -AllowClobber
ModuleType Version Name                                ExportedCommands
---- --     ----
Script   1.0    tmp_5mmric2i.c02                   {Clear-CsOnlineTelephoneNumberReservation, Copy-CsVoicePol...
PS C:\Users\administrator.OFFICE365LAB> Set-CsTenantFederationConfiguration -SharedSipAddressSpace $true
PS C:\Users\administrator.OFFICE365LAB>
```

Administrator: Windows PowerShell

```
PS C:\Users\administrator.OFFICE365LAB> Get-CsUser ian@office365lab.co.uk

Identity : CN=Ian Waters,OU=Office365Lab Users,DC=Office365Lab,DC=local
VoicePolicy :
VoiceRoutingPolicy :
ConferencingPolicy :
PresencePolicy :
DialPlan :
LocationPolicy :
ClientPolicy :
ClientVersionPolicy :
ArchivingPolicy :
ExchangeArchivingPolicy : Uninitialized
PinPolicy :
ExternalAccessPolicy :
MobilityPolicy :
PersistentChatPolicy :
UserServicesPolicy :
HostedVoiceMail :
HostedVoicemailPolicy :
HostingProvider : SRV:
RegistrarPool : lync.office365lab.local
Enabled : True
SipAddress : sip:ian@office365lab.co.uk
LineURI :
EnterpriseVoiceEnabled : False
ExUmEnabled : False
HomeServer : CN=Lc Services,CN=Microsoft,CN=1:1,CN=Pools,CN=RTC Service,CN=Services,CN=Configuration,DC=Office365Lab,DC=local
DisplayName : Ian Waters
SamAccountName : ian

PS C:\Users\administrator.OFFICE365LAB>
```

Administrator: Windows PowerShell

```
PS C:\Users\administrator.OFFICE365LAB> Move-CsUser -Identity ian@office365lab.co.uk -Target sipfed.online.lync.com -Credential $cred -HostedMigrationOverrideUrl https://adminite.online.lync.com/HostedMigration/hostedmigrationservice.svc

Confirm
Move-CsUser
[Y] Yes [A] Yes to All [N] No [L] No to All [S] Suspend [?] Help (default is "Y"): y
PS C:\Users\administrator.OFFICE365LAB>
```

Administrator: Windows PowerShell

```
PS C:\Users\administrator.OFFICE365LAB> Get-CSUser ian@office365lab.co.uk

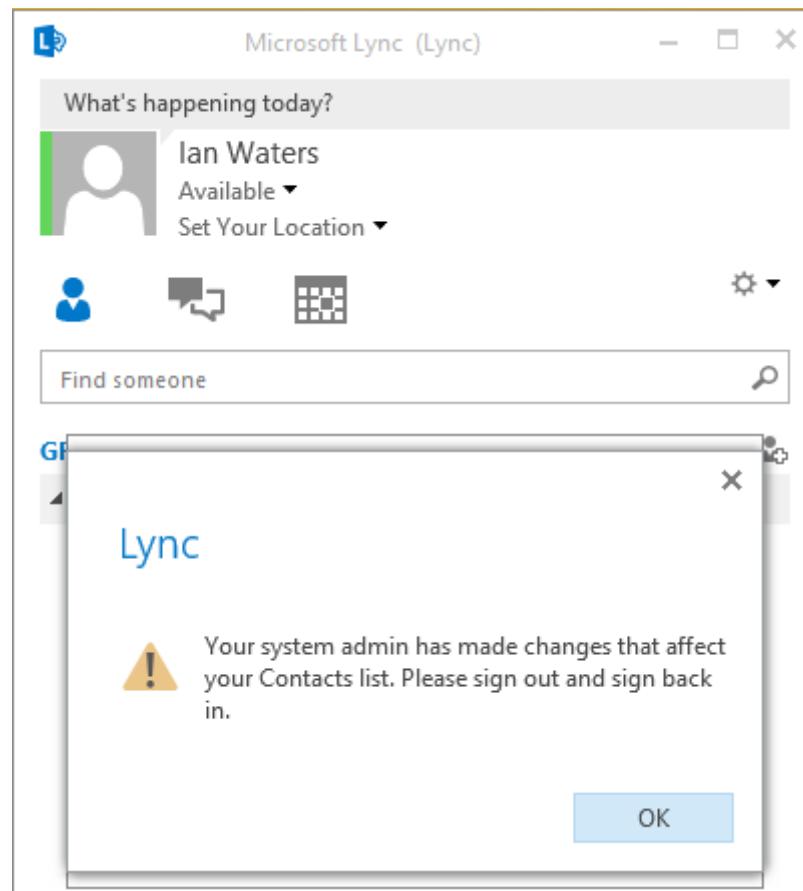
Identity : CN=Ian Waters,OU=Office365Lab Users,DC=Office365Lab,DC=local
VoicePolicy :
VoiceRoutingPolicy :
ConferencingPolicy :
PresencePolicy :
DialPlan :
LocationPolicy :
ClientPolicy :
ClientVersionPolicy :
ArchivingPolicy :
ExchangeArchivingPolicy : Uninitialized
PinPolicy :
ExternalAccessPolicy :
MobilityPolicy :
PersistentChatPolicy :
UserServicesPolicy :
HostedVoiceMail :
HostedVoicemailPolicy :
HostingProvider :
RegistrarPool :
Enabled :
SipAddress :
LineURI :
EnterpriseVoiceEnabled :
ExUmEnabled :
HomeServer :
DisplayName : Ian Waters
SamAccountName : ian

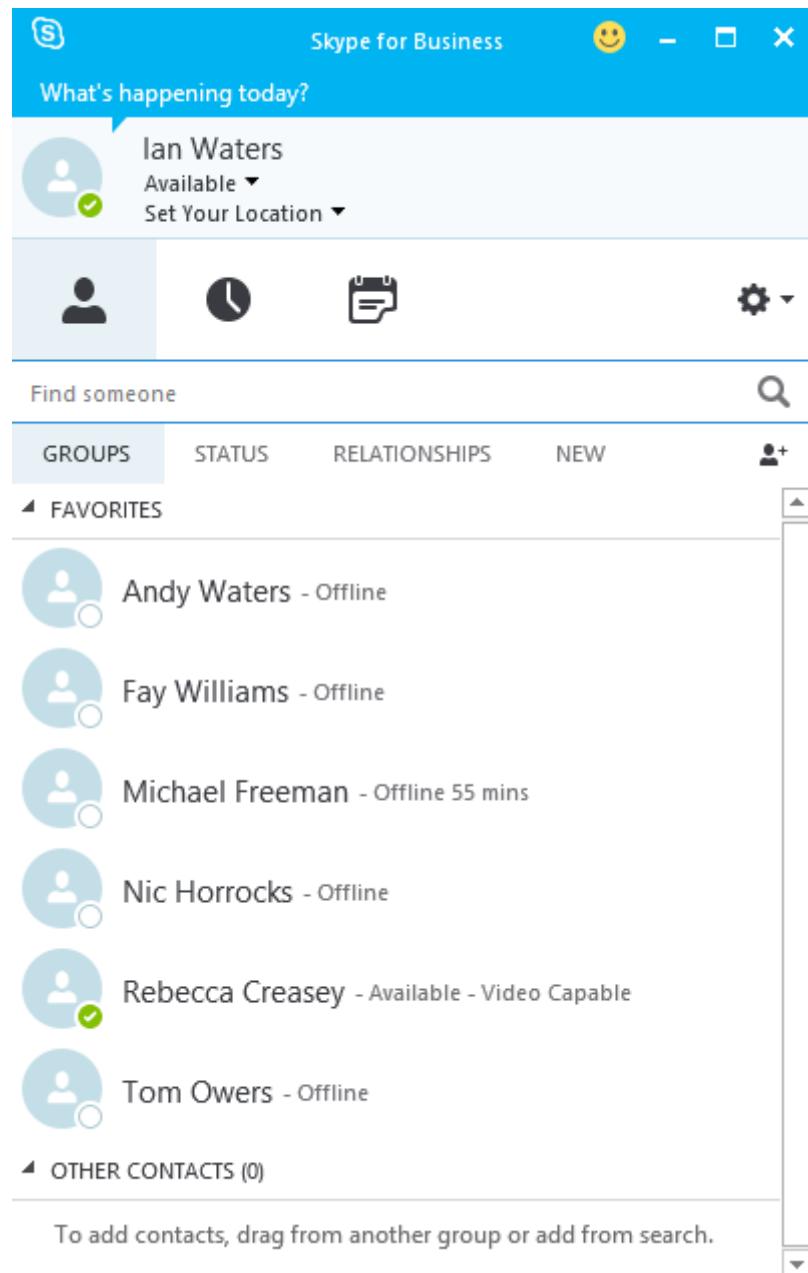
PS C:\Users\administrator.OFFICE365LAB> -
```

Lync Server 2013

Administrator | Sign out  
5.0.8308.556 | Privacy statement

Action	Display name	Enabled	SIP address	Homed	Telephony
Enable users	Andy Waters	✓	sip:andy@office365lab.co.uk	lync.office365lab.local	PC-to-PC only
	Fay Williams	✓	sip:fay@office365lab.co.uk	lync.office365lab.local	PC-to-PC only
	Ian Waters	✓	sip:ian@office365lab.co.uk	LyncOnline	PC-to-PC only
	Michael Freeman	✓	sip:michael@office365lab.co.uk	lync.office365lab.local	PC-to-PC only
	Nic Horrocks	✓	sip:nic@office365lab.co.uk	lync.office365lab.local	PC-to-PC only
	Rebecca Creasey	✓	sip:Rebecca@office365lab.co.uk	lync.office365lab.local	PC-to-PC only
	Tom Owers	✓	sip:tom@office365lab.co.uk	lync.office365lab.local	PC-to-PC only





```
Administrator: Windows PowerShell
PS C:\Users\administrator.OFFICE365LAB> Move-CsUser -Identity ian@office365lab.co.uk -Target lync.office365lab.local -Credential $creds -HostedMigrationOverrideUrl https://admin1e.online.lync.com/HostedMigration/hostedmigrationservice.svc
Confirm
Move-CsUser
[Y] Yes [A] Yes to All [N] No to All [S] Suspend [?] Help (default is "Y"): y
PS C:\Users\administrator.OFFICE365LAB>
```



Office 365

Admin

## Skype for Business admin center

dashboard

users

organization

dial-in conferencing

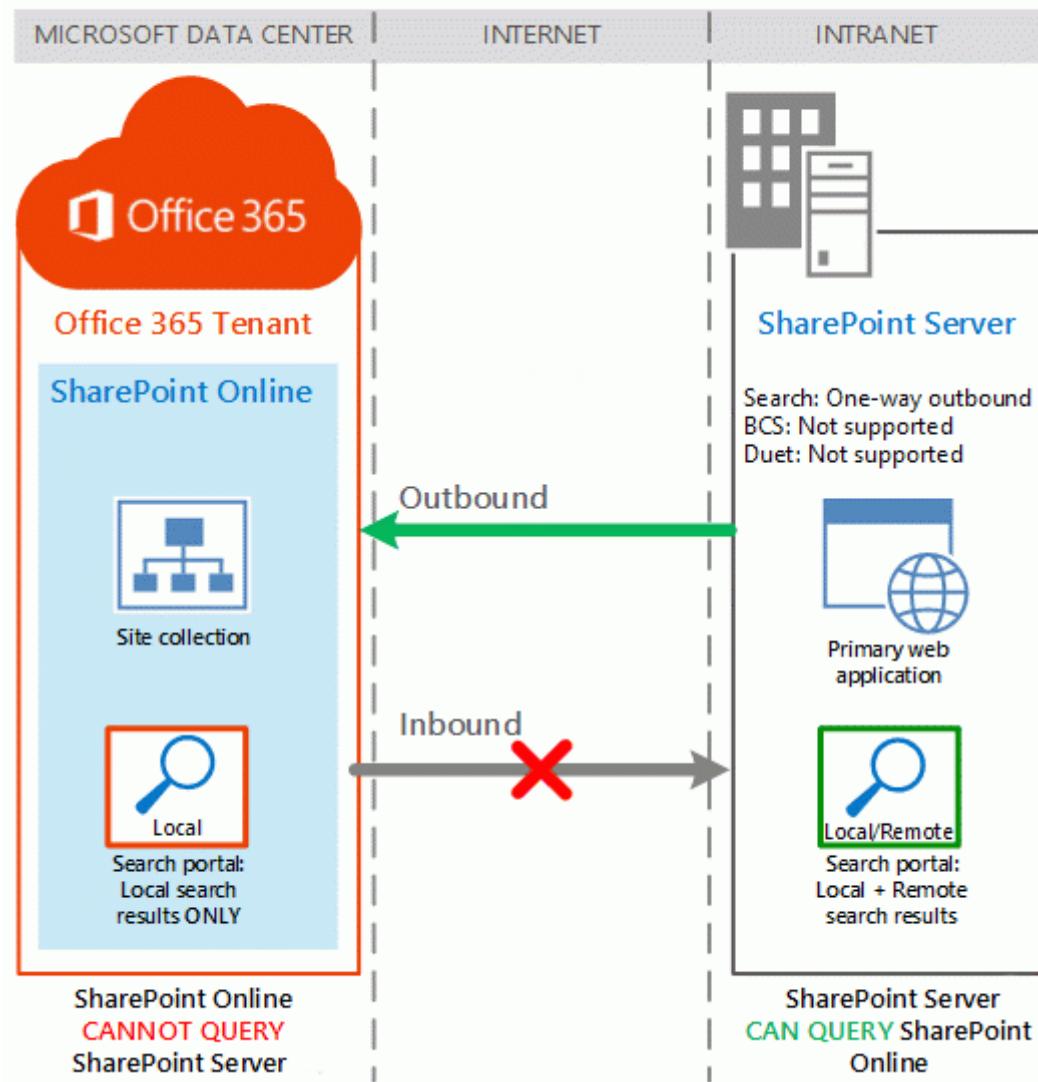
meeting invitation

tools

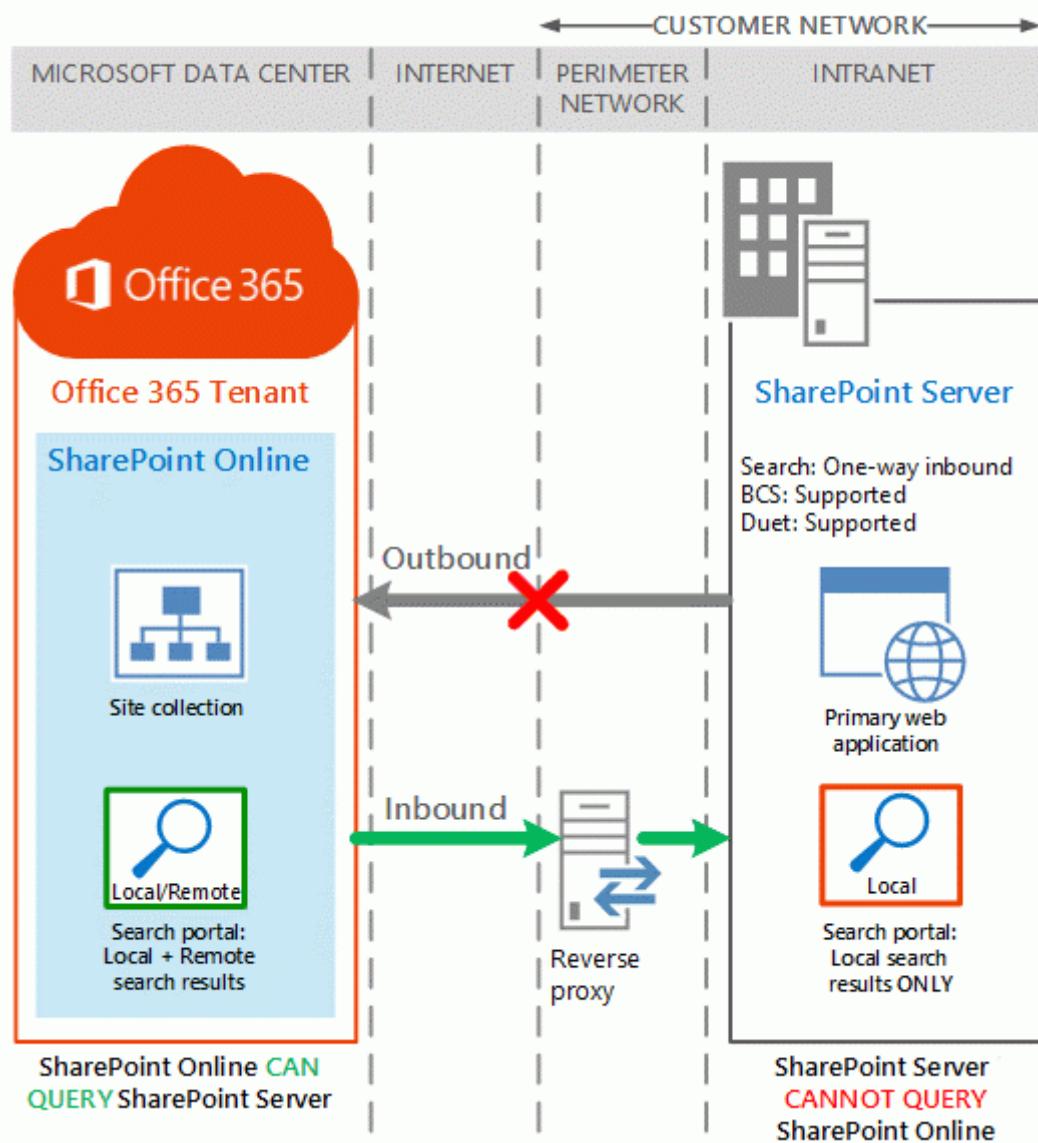
	DISPLAY NAME	USER NAME	LOCATION
<input type="checkbox"/>	CloudAdmin	cloudadmin@Office365LabA.onmicrosoft	GB
<input checked="" type="checkbox"/>	Ian Waters	ian@office365lab.co.uk	GB

## Chapter 14: Additional Hybrid Solution – SharePoint Online

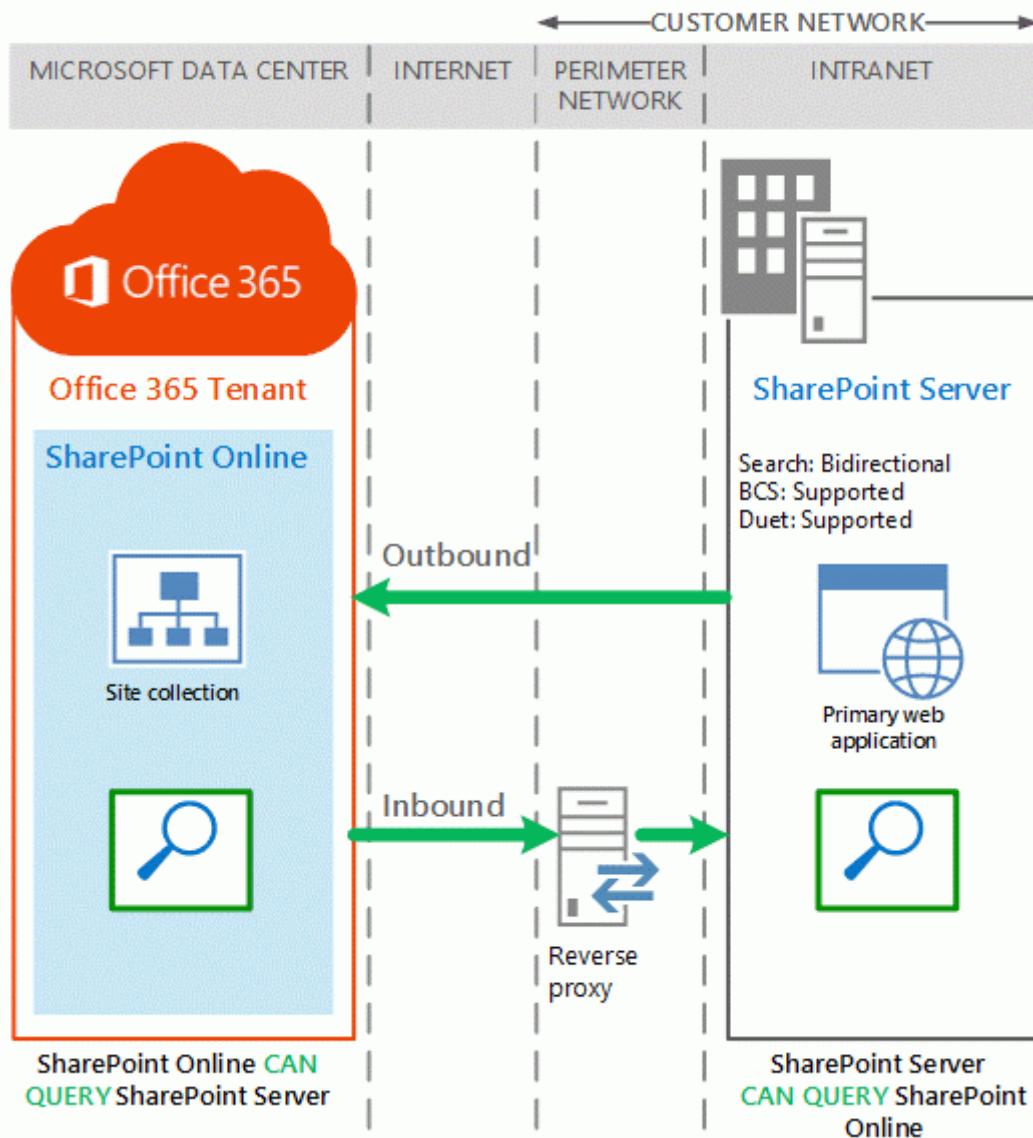
### SharePoint hybrid one-way outbound topology



## SharePoint hybrid one-way inbound topology



## SharePoint hybrid two-way (bidirectional) topology



This screenshot shows the "Server Certificates" page in the SharePoint Central Administration tool.

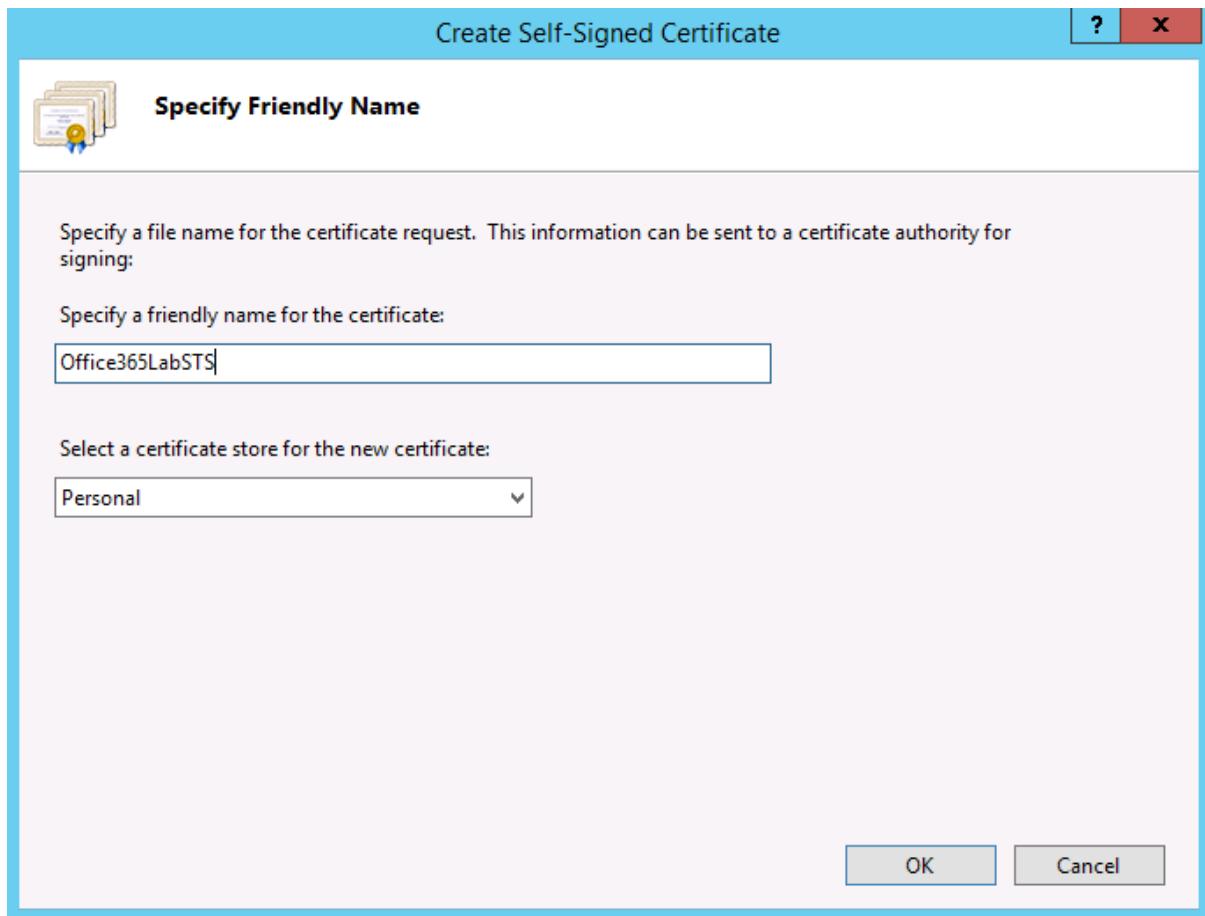
**Connections:** Left sidebar showing "SHAREPOINT (OFFICE365LAB\A)" under "Start Page".

**Server Certificates:** Main content area with the title "Server Certificates". It includes a sub-instruction: "Use this feature to request and manage certificates that the Web server can use with websites configured for SSL." Below this is a table:

Name	Issued To	Issued By	Expires
WMSVC	ForefrontIdentityManager *.office365lab.co.uk WMSvc-SHAREPOINT	ForefrontIdentityManager AlphaSSL CA - SHA256 - G2 WMSvc-SHAREPOINT	31/12/2023 03/03/2024 25/03/2025

**Actions:** Right sidebar with the following options:

- Import...
- Create Certificate Request...
- Complete Certificate Request...
- Create Domain Certificate...
- Create Self-Signed Certificate...** (highlighted with a red box)
- Enable Automatic Rebind of Renewed Certificate
- Help



Server Certificates

Use this feature to request and manage certificates that the Web server can use with websites configured for SSL.

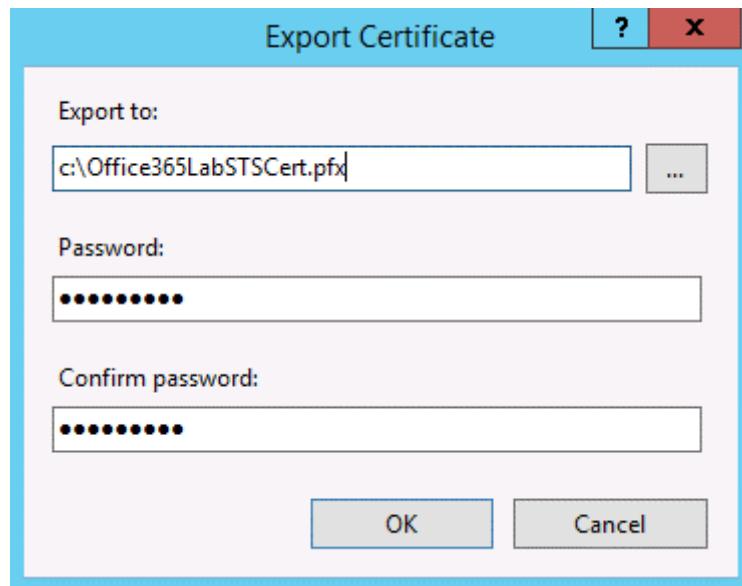
Filter: ▾ Go ▾ Show All | Group by: No Grouping ▾

Name	Issued To	Issued By	Expir
ForefrontIdentityManager	ForefrontIdentityManager	31/1	
*.office365lab.co.uk	AlphaSSL CA - SHA256 - G2	03/0	
Office365LabSTS	SHAREPOINT.Office365Lab.lo...	SHAREPOINT.Office365Lab.lo...	06/0
WMSVC	WMSvc-SHAREPOINT	WMSvc-SHAREPOINT	25/0

Actions

- Import...
- Create Certificate Request...
- Complete Certificate Request...
- Create Domain Certificate...
- Create Self-Signed Certificate...
- View...
- Export...
- Remove
- Enable Automatic Rebind of Renewed Certificate
- Help

This screenshot shows the 'Server Certificates' management interface. On the left, there's a table listing certificates with columns for 'Name', 'Issued To', 'Issued By', and 'Expir'. The table includes entries for ForefrontIdentityManager, \*.office365lab.co.uk, Office365LabSTS, and WMSVC. On the right, there's a vertical 'Actions' menu with options like Import, Create Certificate Request, View, Export, Remove, and Help.

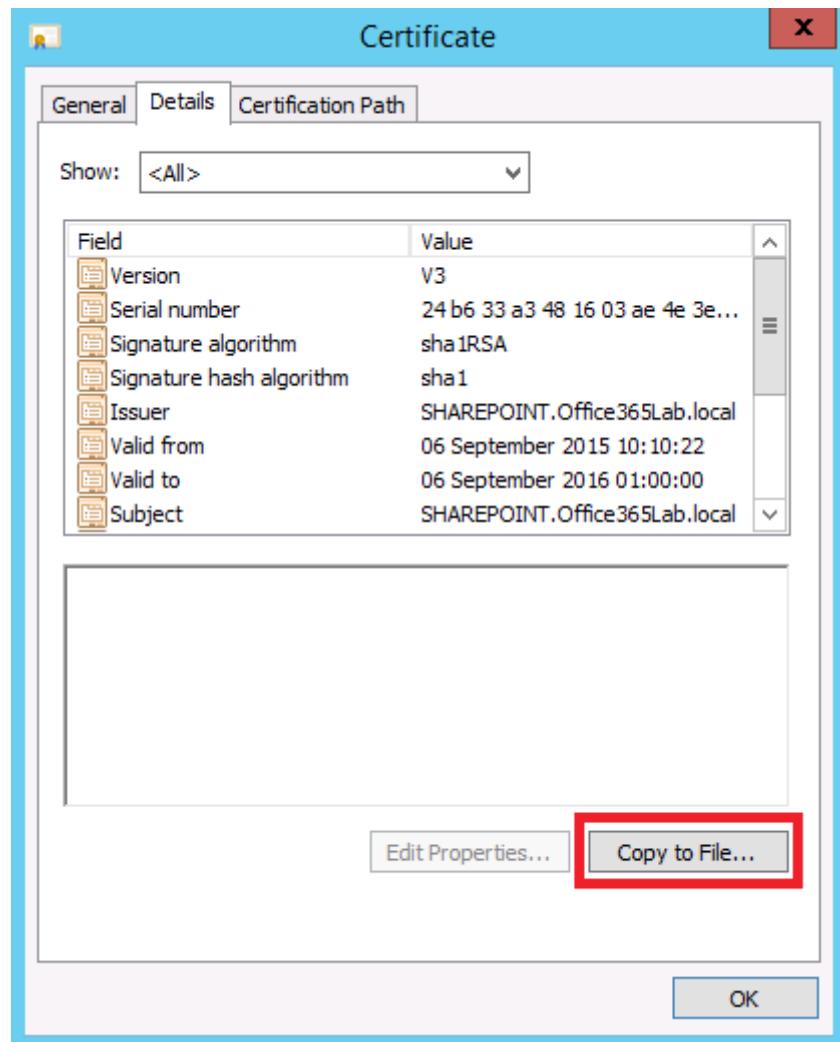


Filter: ▾ Go ▾ Show All | Group by: No Grouping ▾

Name	Issued To	Issued By
ForefrontIdentityManager	ForefrontIdentityManager	ForefrontIdentityManager
*.office365lab.co.uk		AlphaSSL CA - SHA256 - G2
Office365LabSTS	SHAREPOINT.Office365Lab.lo...	SHAREPOINT.Office365Lab.local

WMSVC

- Import...
- Create Certificate Request...
- Complete Certificate Request...
- Create Domain Certificate...
- Create Self-Signed Certificate...
- View...**
- Export...
- Remove
- Enable Automatic Rebind of Renewed Certificate
- Help





## Certificate Export Wizard

### Export File Format

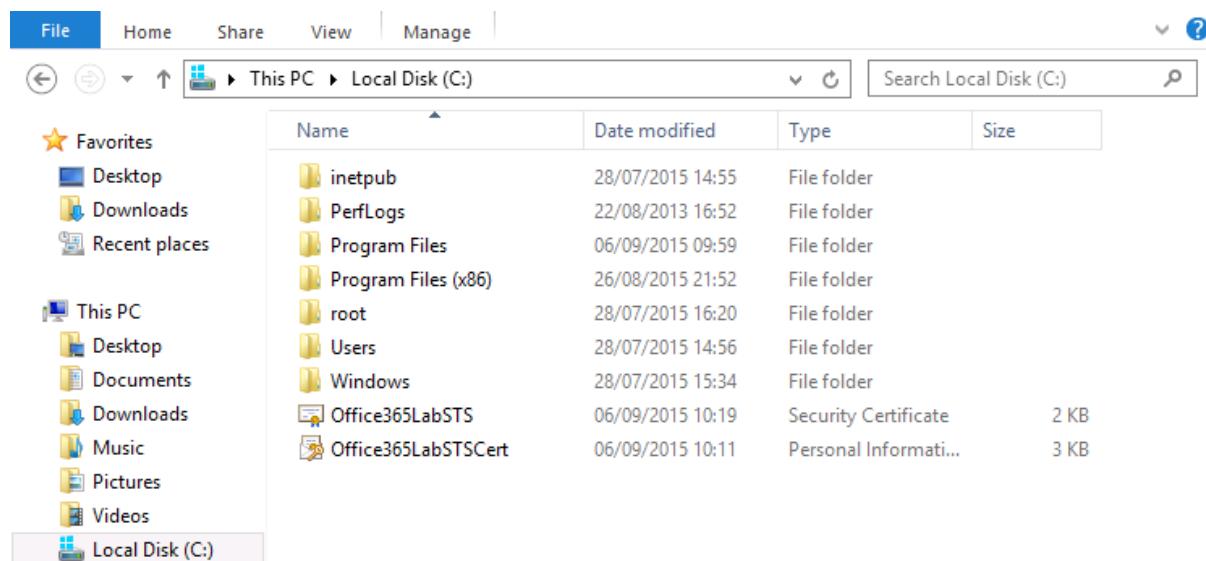
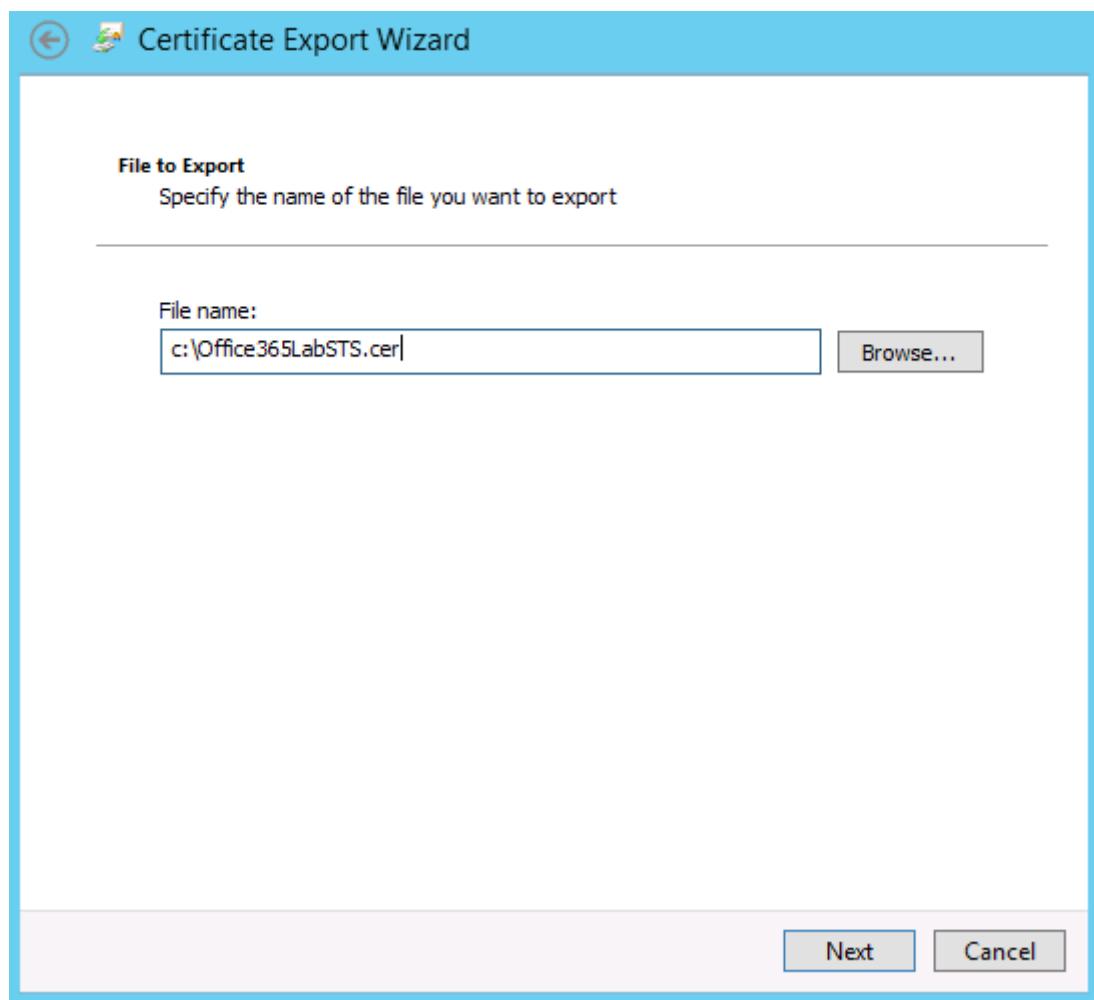
Certificates can be exported in a variety of file formats.

Select the format you want to use:

- DER encoded binary X.509 (.CER)
- Base-64 encoded X.509 (.CER)
- Cryptographic Message Syntax Standard - PKCS #7 Certificates (.P7B)
  - Include all certificates in the certification path if possible
- Personal Information Exchange - PKCS #12 (.PFX)
  - Include all certificates in the certification path if possible
  - Delete the private key if the export is successful
  - Export all extended properties
- Microsoft Serialized Certificate Store (.SST)

**Next**

**Cancel**



## SharePoint admin center

The screenshot shows the SharePoint Admin Center interface. On the left, there's a sidebar titled "site collections" with links like infopath, user profiles, bcs, term store, records management, search, secure store, apps, and settings. The main area is titled "Site Collections" and contains a ribbon bar with icons for New, Delete, Properties, Owners, Sharing, Buy Storage, Server Resource Quota, Upgrade, Recycle Bin, and Restore. Below the ribbon is a search bar "Search by URL..." and a status message "10600 resources available" and "42.92 GB available of 42.95 GB". A table lists site collections with columns for URL, Storage Used (GB), and Server Resource Quota. One row, "https://office365laba-my.sharepoint.com", is highlighted with a red border.

URL	STORAGE USED (GB)	SERVER RESOURCE QUOTA
<a href="https://office365laba.sharepoint.com">https://office365laba.sharepoint.com</a>	0.00	300
<a href="https://office365laba.sharepoint.com/portals/community">https://office365laba.sharepoint.com/portals/community</a>	0.00	0
<a href="https://office365laba.sharepoint.com/portals/hub">https://office365laba.sharepoint.com/portals/hub</a>	0.00	0
<a href="https://office365laba.sharepoint.com/search">https://office365laba.sharepoint.com/search</a>	0.03	0
<a href="https://office365laba-my.sharepoint.com">https://office365laba-my.sharepoint.com</a>	0.00	0



# Office 365

Central Administration

Application Management



Office 365

Configure Yammer

Configure OneDrive and Sites links

Set the audience for the connection

You can [create an audience](#) to target only a specific set of users to redirect to OneDrive for Business on Office 365.

Everyone

Use a specific audience:





## Create Audience

Central Administration

Application Management  
System Settings  
Monitoring  
Backup and Restore  
Security  
Upgrade and Migration  
General Application Settings  
Apps  
Office 365  
Configuration Wizards

Site Contents

Use this page to create an audience. Then add rules to identify matching users.

\* Indicates a required field

### Properties

Type a unique and identifiable name and description for this audience.

Specify whether you want users to be included in the audience that satisfy all the rules of this audience or any of the rules of this audience.

Name: \*

OneDrive Online Users

Example: Sales Managers

Description:

Owner:

Administrator



Include users who:

- Satisfy all of the rules  
 Satisfy any of the rules

## Add Audience Rule: OneDrive Online Users

Use this page to add a rule for this audience. [Learn more about audience rules.](#)

### Operand

Select **User** to create a rule based on a Windows security group, distribution list, or organizational hierarchy.

Select **Property** and select a property name to create a rule based on a user profile property.

Select one of the following: \*

User

Property

Account name



### Operator

Select an operator for this rule. The list of available operators will change depending on the operand you selected in the previous section.

Operator: \*

Member Of



### Value

Enter the name of a Windows security group or distribution list.

Value: \*

OneDrive Online Users



## Redirect OneDrive for Business to Office 365

In order to integrate the Office 365 OneDrive for Business experience with your on-premises navigation, we need the URL for the site collection that hosts My Sites for you in Office 365.

To find site collection URLs, sign in to [Office 365](#) with your Office 365 global admin credentials.

### Set the audience for the connection

You can [create an audience](#) to target only a specific set of users to redirect to OneDrive for Business on Office 365.

My Site URL:

<https://office365laba-my.sharepoint.com>

(Click here to test)

Everyone

Use a specific audience:

OneDrive Online Users



### (Optional) Redirect the Sites page to Office 365

When you redirect the Sites page to Office 365, users can create and follow sites online and see them show up there. Note: any sites users follow on-premises will not appear on the page.

Redirect the Sites page

OK

Cancel

The screenshot shows a SharePoint browser interface. The address bar contains the URL <http://sharepoint/SitePages/Home.aspx>. The top navigation bar includes links for Newsfeed, **OneDrive** (which is highlighted with a red box), and Sites. Below the navigation bar, there are buttons for BROWSE and PAGE, and a SHARE link. The main content area displays a standard SharePoint navigation menu with links for Home, Site Pages, and Lists.

The screenshot shows an Office 365 browser interface. The address bar contains the URL <https://office365laba-my.sharepoint.com/personal/administrato>. The top navigation bar includes links for **Office 365** (highlighted with a blue box) and OneDrive. The main content area displays the OneDrive for Business interface, showing a 'Documents' section with a search bar and a list of document categories: Recent, Shared with me, Followed, Site folders, and Recycle bin. A welcome message states: "Welcome to your OneDrive for Business, the place to store, sync, and share your work. Documents are private until shared. [Learn more here](#). [Dismiss](#)". Below the message are buttons for New, Upload, Sync, Share, and More. The left sidebar also features a 'Documents' section with similar categories.

# Services on Server

Server: SHAREPOINT   View: Configurable		
Service	Status	Action
Access Database Service 2010	Started	Stop
Access Services	Started	Stop
App Management Service	Started	Stop
Business Data Connectivity Service	Started	Stop
Central Administration	Started	Stop
Claims to Windows Token Service	Started	Stop
Distributed Cache	Started	Stop
Document Conversions Launcher Service	Started	Stop
Document Conversions Load Balancer Service	Stopped	Start
Excel Calculation Services	Started	Stop
Lotus Notes Connector	Stopped	Start



## Manage Profile Service: User Profile Service Application

Central Administration  
 Application Management  
 System Settings  
 Monitoring  
 Backup and Restore  
 Security  
 Upgrade and Migration  
 General Application Settings  
 Apps  
 Office 365  
 Configuration Wizards  
 Site Contents



### People

[Manage User Properties](#) | [Manage User Profiles](#) |  
[Manage User Sub-types](#) | [Manage Audiences](#) |  
[Schedule Audience Compilation](#) | [Manage User Permissions](#) |  
[Compile Audiences](#) | [Manage Policies](#)



### Synchronization

[Configure Synchronization Connections](#) |  
[Configure Synchronization Timer Job](#) |  
[Configure Synchronization Settings](#) | [Start Profile Synchronization](#)



### Organizations

[Manage Organization Properties](#) | [Manage Organization Profiles](#) |  
[Manage Organization Sub-types](#)



### My Site Settings

[Setup My Sites](#) | [Configure Trusted Host Locations](#) |  
[Manage Promoted Sites](#) |  
[Publish Links to Office Client Applications](#) |  
[Manage Social Tags and Notes](#) | [Manage Following](#)

### Profiles

Number of User Profiles 3  
 Number of User Properties 96  
 Number of Organization Profiles 1  
 Number of Organization Properties 15

### Audiences

Number of Audiences 1  
 Uncompiled Audiences 0  
 Audience Compilation Status Idle  
 Audience Compilation Schedule Every Saturday at 01:00 AM  
 Ended at 9/5/2015 1:00 AM  
 Last Compilation Time 9/5/2015 1:00 AM

### Profile Synchronization Settings

Synchronization Schedule Every day at 01:00 AM  
 Profile Synchronization Status [Synchronizing Stop](#)



## Configure Synchronization Settings

Central Administration

Application Management

System Settings

Monitoring

Backup and Restore

Security

Upgrade and Migration

General Application Settings

Apps

Office 365

Configuration Wizards

Site Contents

Use this page to manage the settings for profile synchronization of users and groups.

### Synchronization Entities

Based on your selection, both users and groups, or only users will be synchronized across all synchronization connections.

Note: If you are upgrading from a previous version of SharePoint, it is recommended that you first do a Users only synchronization run, followed by a Users and Groups synchronization.

Users and Groups

Users Only

### Synchronize BCS Connections

Select this option if you would like BCS (Business Connectivity Service) data to be imported. If you clear this selection, your AD and/or LDAP connections will be included in the profile synchronization run (full or incremental) but your BDC connections, if any, will be ignored. You can change this setting later to include the BDC data import.

Include existing BCS connections for synchronization?

### Synchronization Options

To use the full-featured SharePoint Profile Synchronization option, select 'Use SharePoint Profile Synchronization'.

To use the light-weight Active Directory Import option (with some limitations - see documentation), select 'Use SharePoint Active Directory Import'.

To use an external identity manager for Profile Synchronization, select 'Enable External Identity Manager'.

Note: Enabling external identity manager will disable all Profile Synchronization options and status display in SharePoint.

- Use SharePoint Profile Synchronization
- Use SharePoint Active Directory Import
- Enable External Identity Manager



## Synchronization Connections

Central Administration

Application Management

System Settings

Monitoring

Backup and Restore

Use this page to manage the list of connections to import sources such as Active Directory, LDAP Directory and Business Data Connectivity. User information will be imported from these sources.

Create New Connection

Name	Type	Source
The query returns nothing.		

# Add new synchronization connection

Use this page to configure a connection to a directory service server to synchronize users.

\* Indicates a required field

## Connection Name

Office365Lab AD Connection

## Type

Active Directory

## Connection Settings

For the Active Directory directory service server, type in **Forest name** and **Domain controller name**.

For Active Directory connections to work, this account must have directory sync rights.

Forest name:

office365lab.local

Auto discover domain controller

Specify a domain controller:

Domain controller name:

Authentication Provider Type:

Windows Authentication

Authentication Provider Instance:

Account name: \*

office365lab\administrator

Example: DOMAIN\user\_name

Password: \*

\*\*\*\*\*

## Containers

Choose which containers you want to be synchronized.

Populate Containers

OFFICE365LAB

Select All

OK

Cancel

# Synchronization Connections

Use this page to manage the list of connections to import sources such as Active Directory, LDAP Directory and Business Data Connectivity. User information will be imported from these sources.

 [Create New Connection](#)

Name	Type	Source
Office365Lab AD Connector	Active Directory Import	office365lab.local



## Manage User Properties

Central Administration

Application Management

System Settings

Monitoring

Backup and Restore

Security

Upgrade and Migration

General Application Settings

Apps

Office 365

Configuration Wizards

Site Contents

Use this page to add, edit, organize, delete or map user profile properties. Profile properties can be mapped to Active Directory or LDAP compliant directory services. Profile properties can also be mapped to Application Entity Fields exposed by Business Data Connectivity.

 [New Property](#) |  [New Section](#) |  [Manage Sub-types](#) | Select a sub-type to filter the list of properties:

Property Name	Change Order	Property Type	Mapped Attribute	Multivalue	Alias
> Basic Information	▼	Section			
Id	▲▼	unique identifier			
SID	▲▼	binary	objectSid		
Active Directory Id	▲▼	binary			
Account name	▲▼	Person	<Specific to connection>	✓	
First name	▲▼	string (Single Value)	givenName		
Phonetic First Name	▲▼	string (Single Value)	msDS-PhoneticFirstName		
Last name	▲▼	string (Single Value)	sn		

## Start Profile Synchronization

Use this page to start a full or incremental Synchronization.

### Start Profile Synchronization

Select Incremental Synchronization to start an incremental synchronization now. Only data that has changed in connected sources and User Profile will be synchronized.

**Not recommended:** In most case, Incremental sync should be sufficient. Selecting Full Synchronization is time and compute intensive and is not recommended unless absolutely required to reset data store in User Profile.

- Start Incremental Synchronization  
 Start Full Synchronization

OK

Cancel

SharePoint

BROWSE WEB APPLICATIONS

New Extend Delete General Settings Manage Features Managed Paths Service Connections Authentication Providers Self-Service Site Creation Blocked File Types User Permissions Web Part Security User Policy Anonymous Policy Permission Policy

Contribute Manage Security Policy

Central Administration Application Management System Settings

Name	URL
SharePoint - 80	http://sharepoint/
SharePoint Central Administration v4	http://sharepoint:31571/

## Authentication Providers

Zone	Membership Provider Name
Default	Claims Based Authentication

## Edit Authentication

### Claims Authentication Types

Choose the type of authentication you want to use for this zone.

Negotiate (Kerberos) is the recommended security configuration to use with Windows authentication. If this option is selected and Kerberos is not configured, NTLM will be used. For Kerberos, the application pool account needs to be Network Service or an account that has been configured by the domain administrator. NTLM authentication will work with any application pool account and with the default domain configuration.

Enable Windows Authentication

Integrated Windows authentication

NTLM

Basic authentication (credentials are sent in clear text)

Enable Forms Based Authentication (FBA)

ASP.NET Membership provider name

ASP.NET Role manager name

Trusted Identity provider

There are no trusted identity providers defined.

```

Administrator: SharePoint 2013 Management Shell
PS C:\Users\administrator.OFFICE365LAB> $pfxPath = "c:\Office365LabSTSCert.pfx"
PS C:\Users\administrator.OFFICE365LAB> $pfxPass = "DJ989we..wefds908*"
PS C:\Users\administrator.OFFICE365LAB> $stsCertificate = New-Object System.Security.Cryptography.X509Certificates.X509Certificate2 $pfxPath, $pfxPass, 20
PS C:\Users\administrator.OFFICE365LAB> Set-SPSecurityTokenServiceConfig -Import SigningCertificate $stsCertificate

Confirm
You are about to change the signing certificate for the Security Token Service.
Changing the certificate to an invalid, inaccessible or non-existent
certificate will cause your SharePoint installation to stop functioning. Refer
to the following article for instructions on how to change this certificate:
http://go.microsoft.com/fwlink/?LinkId=178475. Are you sure you want to
continue?
[Y] Yes [A] Yes to All [N] No [L] No to All [S] Suspend [?] Help
<default is "Y">:y
PS C:\Users\administrator.OFFICE365LAB> iisreset

Attempting stop...
Internet services successfully stopped
Attempting start...
Internet services successfully restarted
PS C:\Users\administrator.OFFICE365LAB> net stop SPTimerV4
The SharePoint Timer Service service is stopping.
The SharePoint Timer Service service was stopped successfully.

PS C:\Users\administrator.OFFICE365LAB> net start SPTimerV4
The SharePoint Timer Service service was started successfully.

PS C:\Users\administrator.OFFICE365LAB> $stsCertificate |fl

Subject      : CN=SHAREPOINT.Office365Lab.local
Issuer       : CN=SHAREPOINT.Office365Lab.local
Thumbprint   : B63AB6BA22BF4999B385A737364B72E872224A95
FriendlyName : Office365LabSTS
NotBefore    : 06/09/2015 10:10:22
NotAfter     : 06/09/2016 01:00:00
Extensions   : {System.Security.Cryptography.Oid,
                System.Security.Cryptography.Oid}

PS C:\Users\administrator.OFFICE365LAB> <Get-SPSecurityTokenServiceConfig>.Local
LoginProvider.SigningCertificate

Thumbprint          Subject
-----          -----
B63AB6BA22BF4999B385A737364B72E872224A95  CN=SHAREPOINT.Office365Lab.local

PS C:\Users\administrator.OFFICE365LAB>

```

The screenshot shows the SharePoint Central Administration ribbon with the 'TRUST RELATIONSHIPS' tab selected. Below the ribbon, there are buttons for 'New', 'Edit', and 'Delete'. A 'Manage' link is also present. The main content area displays a table of trust relationships:

Central Administration	Name	Description	Type
Application Management	<a href="#">ACS_55e8e1e6-2500-4403-8354-e5e463f3d5c0</a>		Trusted Service Consumer
System Settings	<a href="#">ACS_6d042606-b706-4bbd-a68a-5c871fb68ef4</a>		Trusted Service Consumer
Monitoring	<a href="#">local</a>		Trusted Service Consumer
Backup and Restore	<a href="#">WildcardCert</a>		Trusted Service Consumer

The screenshot shows the SharePoint interface for managing service applications. The top navigation bar includes 'SharePoint', 'System Account', and a gear icon. Below it, the 'BROWSE' tab is selected, followed by 'SERVICE APPLICATIONS'. A ribbon menu offers options like 'New', 'Connect', 'Delete', 'Manage', 'Administrators', 'Properties', 'Publish', and 'Permissions'. Under 'Operations', there are 'Create' and 'Sharing' buttons. The main content area lists service applications: 'Search Service Application' (Started), 'Search Service Application Proxy' (Started), and another 'Search Service Application' entry which is highlighted with a red border. This second 'Search Service Application' entry is also highlighted with a red border.

## Search Service Application: Manage Result Sources

Use result sources to scope search results and federate queries to external sources, such as internet search engines. After defining a result source, configure search web parts and query rule actions to use it. [Learn more about result sources](#).

Result Sources replace Search Scopes, which are now deprecated. You can still [view your old scopes](#) and use them in queries, but not edit them.

New Result Source	Name	Creation Date	Default	Status
<b>Provided by SharePoint (16)</b>				
<a href="#">Conversations</a>		7/28/2015 4:14:45 PM		Active
<a href="#">Documents</a>		7/28/2015 4:14:45 PM		Active
<a href="#">Items matching a content type</a>		7/28/2015 4:14:45 PM		Active

## General Information

Names must be unique at each administrative level. For example, two result sources in a site cannot share a name, but one in a site and one provided by the site collection can.

Descriptions are shown as tooltips when selecting result sources in other configuration pages.

### Name

SharePoint Online

### Description

## Protocol

Select Local SharePoint for results from the index of this Search Service.

Select OpenSearch 1.0/1.1 for results from a search engine that uses that protocol.

Select Exchange for results from an exchange source.

Select Remote SharePoint for results from the index of a search service hosted in another farm.

Local SharePoint

Remote SharePoint

OpenSearch 1.0/1.1

Exchange

## Remote Service URL

Type the address of the root site collection of the remote SharePoint farm.

https://office365laba.sharepoint.com

# Search Service Application: Manage Result Sources

Use result sources to scope search results and federate queries to external sources, such as internet search engines. After defining a result source, configure search web parts and query rule actions to use it. [Learn more about result sources](#).

Result Sources replace Search Scopes, which are now deprecated. You can still [view your old scopes](#) and use them in queries, but not edit them.

 [New Result Source](#)

Name	Creation Date	Default	Status
<b>Defined for this search service (1)</b>			
<a href="#">SharePoint Online</a>	9/6/2015 12:49:59 PM		Active
<b>Provided by SharePoint (16)</b>			
<a href="#">Conversations</a>	7/28/2015 4:14:45 PM		Active

## Test Result Source X

### General Information

#### Name

### Test details

Test details for the current result source

#### Test details:

# Search Service Application: Manage Query Rules

Use query rules to conditionally promote important results, show blocks of additional results, and even tune ranking. Changes may take several seconds to take effect, but you can test immediately with Test a Query below. Note that dictionaries may take several minutes to update. [Learn more about query rules.](#)

For what context do you want to configure rules?

Local SharePoint Results (Syste  All User Segments  All Topic Categories

 New Query Rule | Order Selected Rules

Test a Query...  find rules that fire for a query

## General Information

Rule name

SharePoint Online

Fires only on source Local SharePoint Results.

## ▷ Context

### Query Conditions

Define when a user's search box query makes this rule fire. You can specify multiple conditions of different types, or remove all conditions to fire for any query text. Every query condition becomes false if the query is not a simple keyword query, such as if it has quotes, property filters, parentheses, or special operators.

### Actions

When your rule fires, it can enhance search results in three ways. It can add promoted results above the ranked results. It can also add blocks of additional results. Like normal results, these blocks can be promoted to always appear

Query Matches Keyword Exactly

Query exactly matches one of these phrases (semi-colon separated)

[Remove Condition](#)

[Add Alternate Condition](#)

Promoted Results

[Add Promoted Result](#)

Result Blocks

[Add Result Block](#)

[Change ranked results by changing the query](#)

## Edit Result Block

Block Title

Title [other languages](#)

Results for "{subjectTerms}" from SharePoint

Query

Configure Query

{subjectTerms}

[Launch Query Builder](#)

Search this Source

SharePoint Online (Service)

Items

10 ▾

### Settings

Do not show a "more" link

"More" link goes to the following URL

This block is always shown above core results

This block is ranked within core results (may not show)

SharePoint



file



[Everything](#) [People](#) [Conversations](#) [Videos](#)

Preference for results in English ▾

Result type

Web page

Author

Rebecca Creasey

[SHOW MORE](#)

Modified date



Results for "file" from SharePoint Online

[Office 365 Lab Team Site](#)

**File** Stored Online

[office365laba.sharepoint.com](#)

[File Stored Online](#)

[office365laba.sharepoint.com/.../File Stored Online.docx](#)

[Sales - Documents](#)

**File** Stored Locally 9/6/2015 1:41 PM System Account

[sharepoint/sales/Shared Documents/Forms/AllItems.aspx](#)

1 result

[Alert Me](#)

[Preferences](#)

[Advanced Search](#)