

# Outlook Exchange Setup 5.0 Administrator's Guide

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# Introduction

Adding an Exchange account to Microsoft Outlook 2016 for Mac is not always easy for the typical end-user. A properly configured network will help Outlook connect using Exchange's Autodiscover feature but that's not always available.

*Outlook Exchange Setup 5.0* is a set of scripts and plist files to help Mac administrators configure Exchange accounts in Outlook when the Autodiscover service doesn't work. The entire user experience should be as simple as launching Outlook for the first time and entering a password. Just a few seconds.

Every company's network is different but the primary script should provide enough ideas for a novice scripter to adapt it for use in his or her network in just a few minutes.



## Quickstart

1. Locate the Outlook Exchange Setup 5.0.scpt AppleScript found in Outlook Exchange 5.0 > Package > ROOT > Library > Talking Moose Industries > Scripts.
2. Open the script in Script Editor and modify each property in the Begin network, server and preferences section of the script. Save and close the script when done.
3. Locate the Package for Deployment app found in Outlook Exchange 5.0 > Package.
4. Double-click the app and follow the prompts to create an Apple Installer package with all the necessary components for deployment.
5. Distribute the package to Mac workstations using any tool that supports deploying Apple Installer packages such as Apple Remote Desktop, Casper or munki.



## How it works

*Outlook Exchange Setup 5.0* uses four files:

- **Microsoft\_Outlook\_2016\_First\_Run.mobileconfig**  
Suppresses Outlook's first run and welcome windows.
- **net.talkingmoose.OutlookExchangeSetupLaunchAgent.plist**  
Examines the current user's account at each login to verify whether Outlook has already run. If not, this launch agent calls the following shell script to prepare for Outlook's first run.
- **OutlookExchangeSetupLaunchAgent.sh**  
Creates an empty OutlookProfile.plist in the user's preferences and creates a second launch agent to watch that file. When the user launches Outlook, the OutlookProfile.plist file changes and triggers the second launch agent to run the following setup AppleScript.
- **Outlook Exchange Setup 5.0.scpt**  
Configures Outlook based on a combination of settings provided by the Mac administrator and user environment and/or Active Directory. Also, removes the second launch agent when complete.

From the user's point-of-view he or she simply launches Outlook for Mac and enters a password to access email. The setup process is generally quick enough that the user doesn't realize it has just run.

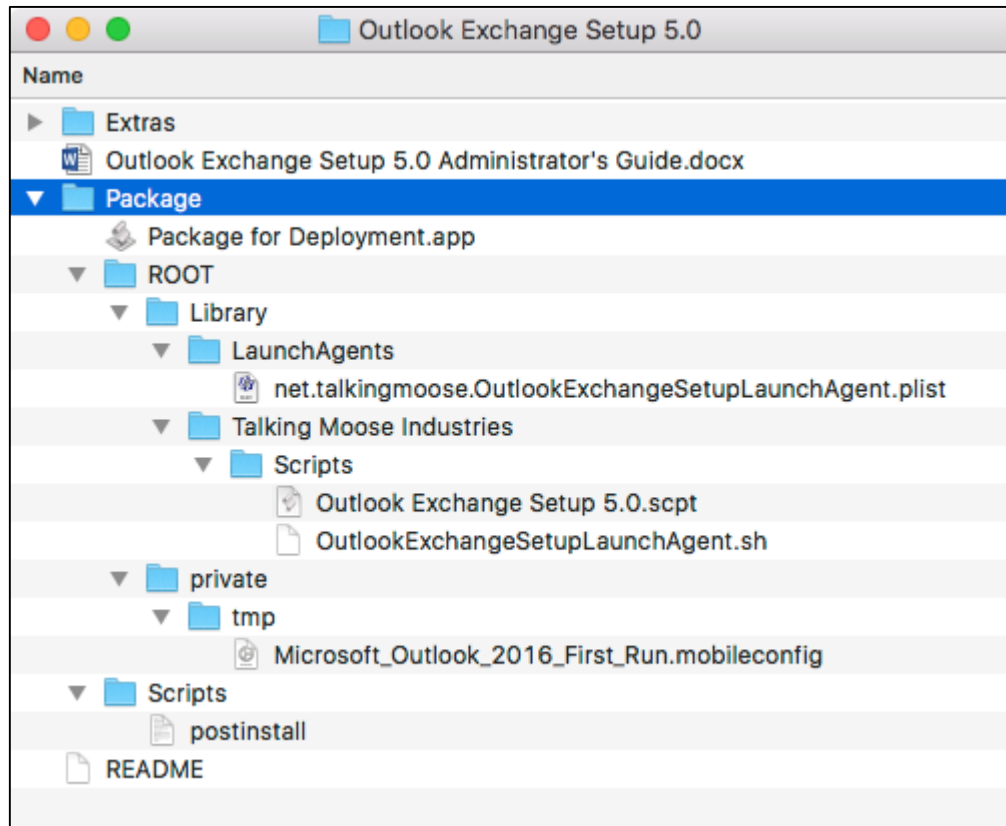




# Prepare the Script

This section guides you through configuring the *Outlook Exchange Setup 5.0* files.

Note: Be sure to preserve the Package folder's structure inside the Outlook Exchange Setup 5.0 folder you downloaded. It's designed to facilitate creating an Apple Installer package for deployment.



Preserve the folder and file structure inside the Package folder.

## Server, Preferences and Custom Message Properties

Locate the Outlook Exchange Setup 5.0.scpt AppleScript found in Outlook Exchange Setup 5.0 > Package > ROOT > Library > Talking Moose Industries > Scripts.

Double-click the AppleScript to open it in Script Editor found in Applications > Utilities.

The beginning of the script contains comments for the reader between a set of **(\*** and **\*)** markers. Everything between these markers is ignored when the script is executed.

Throughout the script are additional comments beginning with **--** (double-hyphens or multiple hyphens). These are also comments and the script ignores them too.

The only section you need to customize is between:

```
-----  
-- Begin network, server and preferences  
-----
```

and

```
-----  
-- End network, server and preferences  
-----
```

You can customize 23 *properties* in this section. Each property is a setting or preference the script uses when run. The property names reflect their purposes and include descriptions below each one.

Most every property corresponds to an Exchange account setting in Outlook. You'll find the Accounts pane under Outlook > Preferences (*See Figures 1, 2 and 3*).

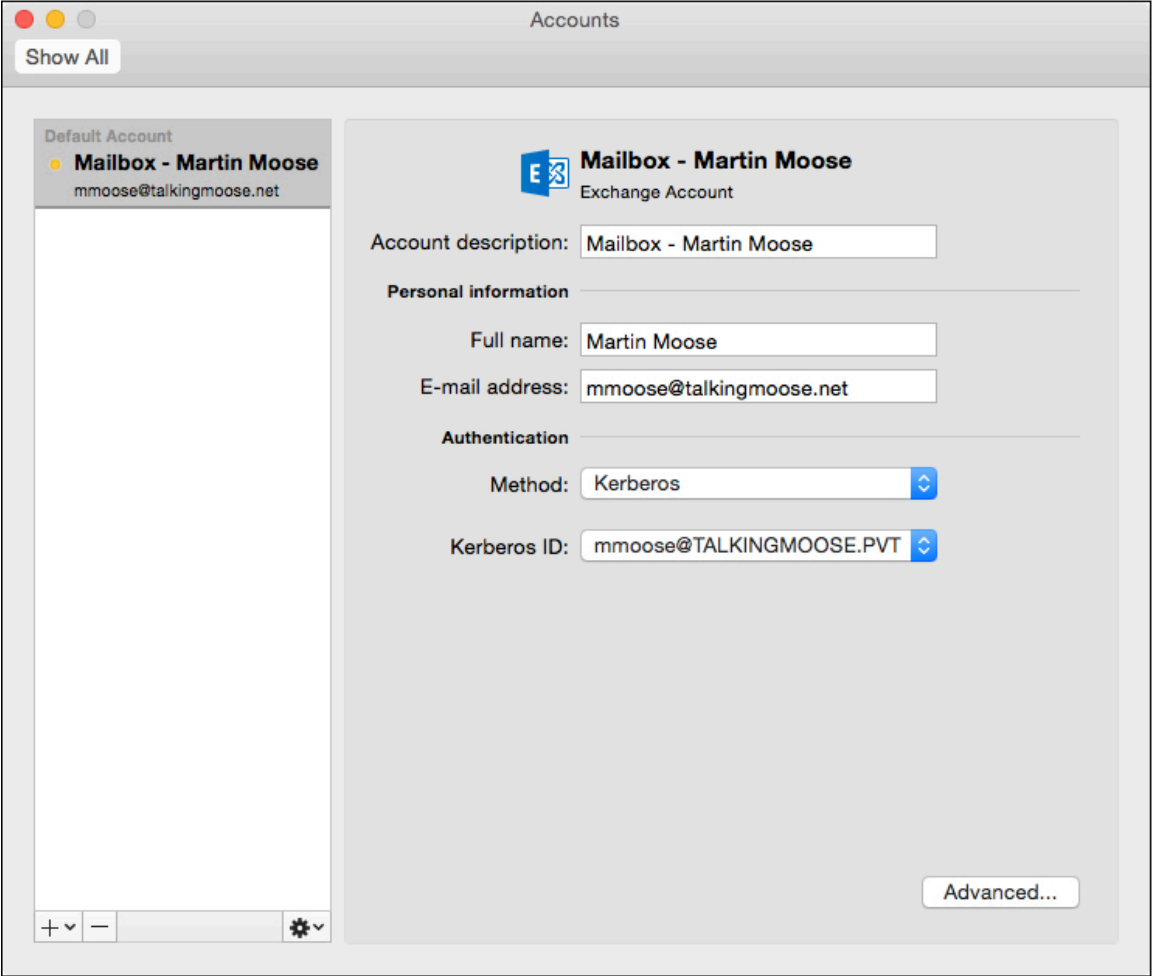


Figure 1. Exchange account using Kerberos authentication.

Method	<code>property useKerberos : true</code> -- Set this to true only if Macs in your environment are bound -- to Active Directory and your network is properly configured.
Kerberos ID	The script queries Active Directory for the Kerberos ID.

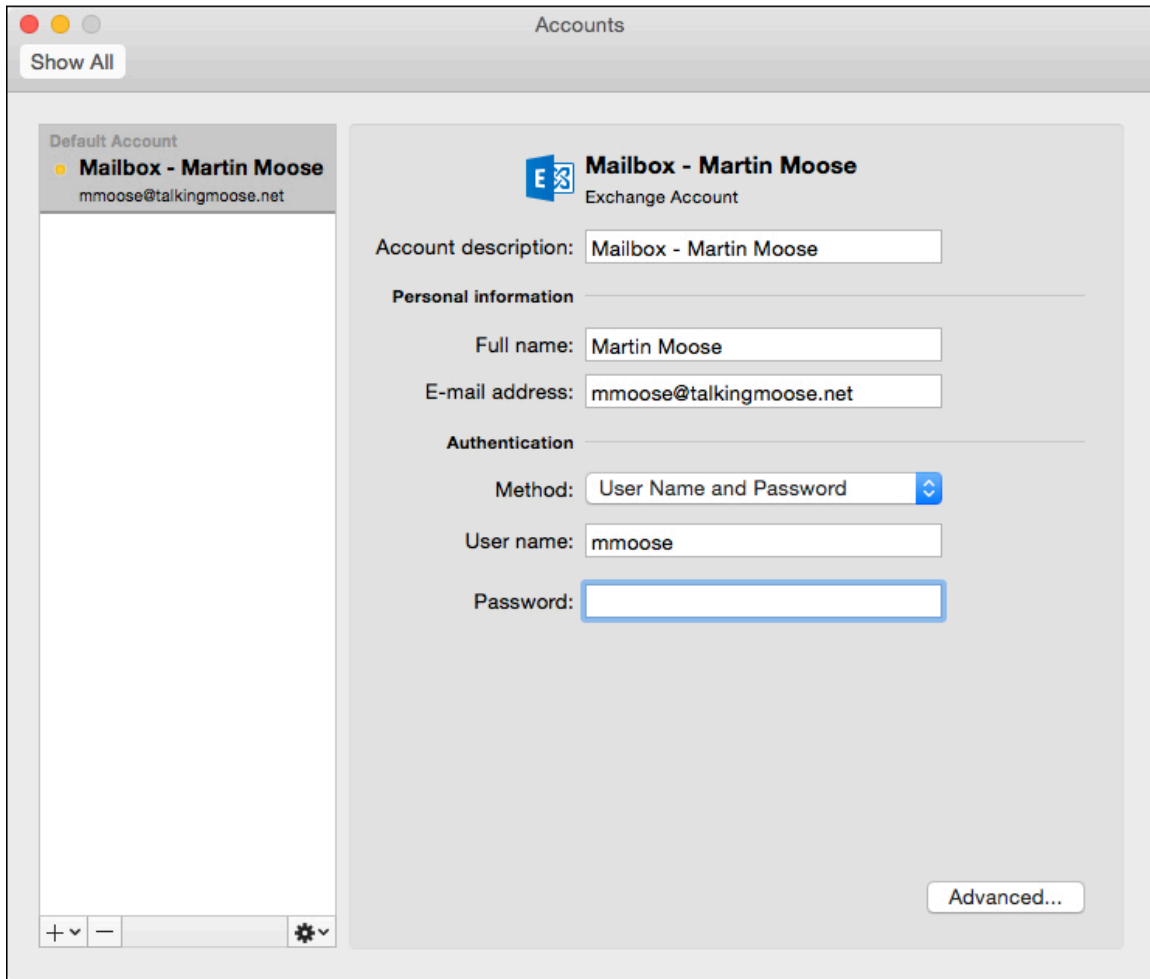


Figure 2. Exchange account using standard authentication.

<b>Method</b>	<b>property</b> <code>useKerberos</code> : <i>false</i> -- Set this to true only if Macs in your environment are bound -- to Active Directory and your network is properly configured.
<b>User name</b>	The script queries Active Directory for the Kerberos ID.
<b>Password</b>	Outlook prompts the user for a password when connecting to Exchange.

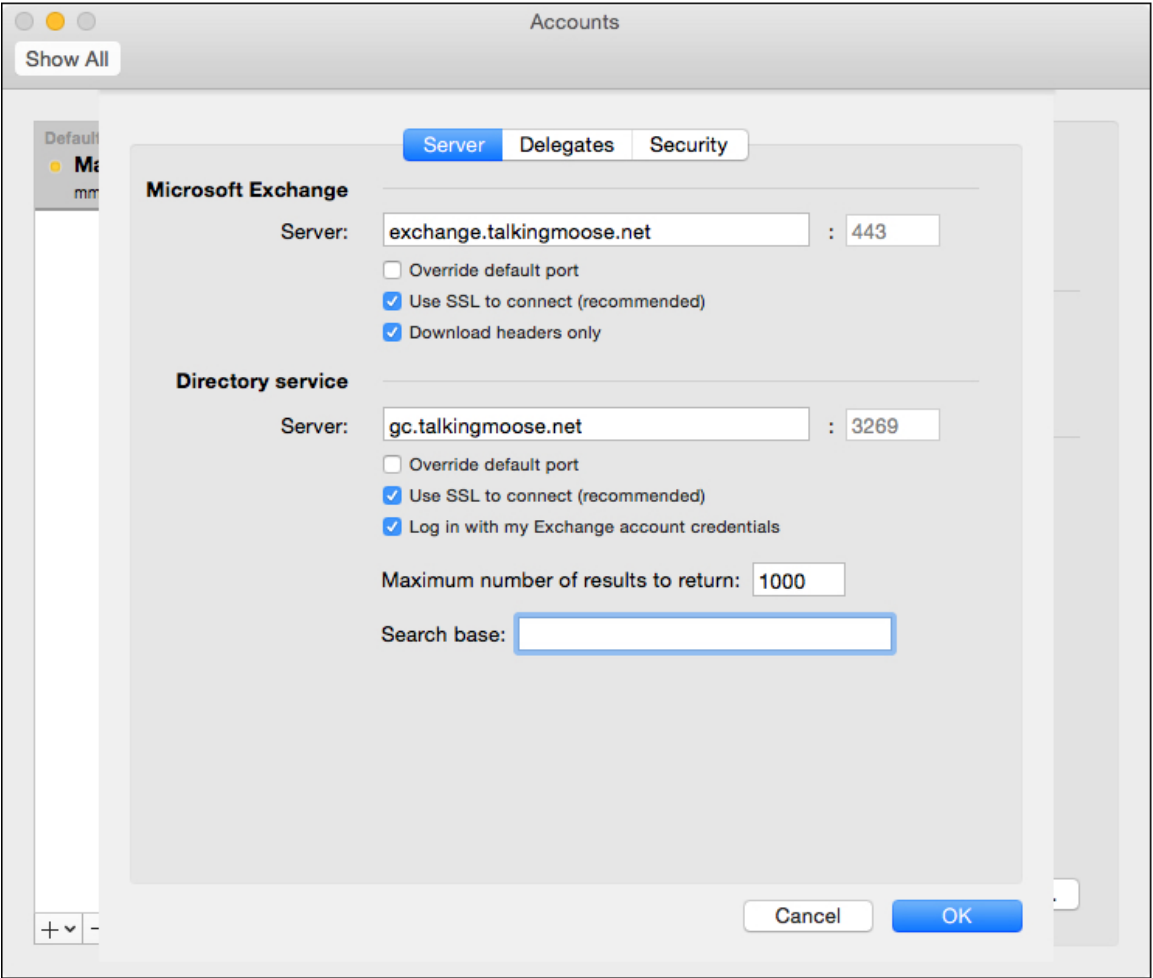


Figure 3. Exchange and Directory server settings.

<b>Microsoft Exchange Server</b>	<b>property</b> <code>ExchangeServer</code> : "exchange.example.com" -- Address of your organization's Exchange server.
<b>Microsoft Exchange Server</b>	<b>property</b> <code>ExchangeServerRequiresSSL</code> : <code>true</code> -- True for most servers.
<b>Microsoft Exchange Server</b>	<b>property</b> <code>ExchangeServerSSLPort</code> : 443 -- If ExchangeServerRequiresSSL is true set the port to 443. -- If ExchangeServerRequiresSSL is false set the port to 80. -- Use a different port number only if your administrator instructs you.

<b>Directory Service Server</b>	<b>property</b> <code>DirectoryServer</code> : "gc.example.com" -- Address of an internal Global Catalog server (a type of Windows domain controller). -- The LDAP server in a Windows network will be a Global Catalog server, -- which is separate from the Exchange Server.
<b>Directory Service Server</b>	<b>property</b> <code>DirectoryServerRequiresAuthentication</code> : <code>true</code> -- This will almost always be true.
<b>Directory Service Server</b>	<b>property</b> <code>DirectoryServerRequiresSSL</code> : <code>true</code> -- This will almost always be true.
<b>Directory Service Server</b>	<b>property</b> <code>DirectoryServerSSLPort</code> : 3269 -- If <code>DirectoryServerRequiresSSL</code> is true set the port to 3269. -- If <code>DirectoryServerRequiresSSL</code> is false set the port to 3268. -- Use a different port number only if your Exchange administrator instructs you.
<b>Directory Service Server</b>	<b>property</b> <code>DirectoryServerMaximumResults</code> : 1000 -- When searching the Global Catalog server, this number determines -- the maximum number of entries to display.
<b>Directory Service Server</b>	<b>property</b> <code>DirectoryServerSearchBase</code> : "" -- example: "cn=users,dc=domain,dc=com" -- Usually, this is empty.
<b>For Active Directory Users</b>	<b>property</b> <code>getUserInformationFromActiveDirectory</code> : <code>true</code> -- If Macs are connected to Active Directory they can probably use -- dscl to return the current user's Email address, phone number, title, etc. -- Use Active Directory when possible. Otherwise, set this to false -- and set the next two properties to the appropriate numbers.
<b>For Non Active Directory Users</b>	<b>property</b> <code>domainName</code> : "example.com" -- Complete this only if not using Active Directory to get user information. -- The part of your organization's email address following the @ symbol.

<b>For Non Active Directory Users</b>	<b>property emailFormat : 1</b> -- When Active Directory is unavailable to determine a user's Email address, -- this script will attempt to parse it from the display name of the user's login.  -- Describe your organization's email format: -- 1: Email format is first.last@domain.com -- 2: Email format is first@domain.com -- 3: Email format is flast@domain.com (first name initial plus last name) -- 4: Email format is shortName@domain.com
<b>For Non Active Directory Users</b>	<b>property displayName : 2</b> -- Describe how the user's display name appears at the bottom of the menu -- when clicking the Apple menu (Log Out Joe Cool... or Log Out Cool, Joe...). -- 1: Display name appears as "Last, First" -- 2: Display name appears as "First Last"
<b>For Non Active Directory Users</b>	<b>property domainPrefix : ""</b> -- Append a NetBIOS domain name to the beginning of the user's short name. -- Be sure to use two backslashes when adding a name. -- Example: Use "TALKINGMOOSE\\" to set user name "TALKINGMOOSE\username".

By default, the script requires no user interaction. However, if users need to specify a different email server from the standard server or they need to enter a custom email address, then set these properties to true to prompt them to verify their settings.

<b>User Experience</b>	<b>property verifyEmailAddress : false</b> -- If set to "true", a dialog asks the user to confirm his Email address.
<b>User Experience</b>	<b>property verifyServerAddress : false</b> -- If set to "true", a dialog asks the user to confirm his Exchange server address.
<b>User Experience</b>	<b>property displayDomainPrefix : false</b> -- If set to "true", the username appears as "DOMAIN\username". -- Otherwise, the username appears as "username".

The next settings may provide a better user experience. Be sure to customize the error message to include a Help Desk phone number or contact name.

<b>User Experience</b>	<b>property downloadHeadersOnly : false</b> -- If set to "true", only email headers are downloaded into Outlook. -- This takes much less time to sync but a user must be online to download and view messages.
<b>User Experience</b>	<b>property hideOnMyComputerFolders : false</b> -- If set to "true", hides local folders. -- A single Exchange account should do this by default.
<b>User Experience</b>	<b>property unifiedInbox : false</b> -- If set to "true", turns on the Group Similar Folders feature in Outlook menu > Preferences > General.
<b>User Experience</b>	<b>property disableAutodiscover : false</b> -- If set to "true", disables Autodiscover functionality for the Exchange account. Not recommended for mobile devices that may connect to an internal Exchange server address and connect to a different external Exchange server address.
<b>User Experience</b>	<b>property errorMessage : "Outlook's setup for your Exchange account failed. Please contact the Help Desk for assistance."</b> -- Customize this error message for your users in case their account setup fails

## The rest of the script

The rest of the script requires no modifications unless the Mac administrator chooses to augment its function. If left as-is then it will proceed to:

1. Determine the user name and display name of the current user.
2. Determine the current user's email address by using dscl to query Active Directory or parsing it from local account information.
3. Ask the user to verify his or her email address and short name if those options are enabled.
4. Configure the Exchange account.
5. Enable Kerberos, if that option is enabled, and set the principal name as short@kerberosRealm.
6. Populate the Me Contact record with the user's data gathered from Active Directory.
7. Alert the user when an error occurs.



## Save the script

Save the script as **File Format: Script** with name *Outlook Exchange Setup 5.0.scpt*. Users do not directly interact with this script. (See Figure 5)

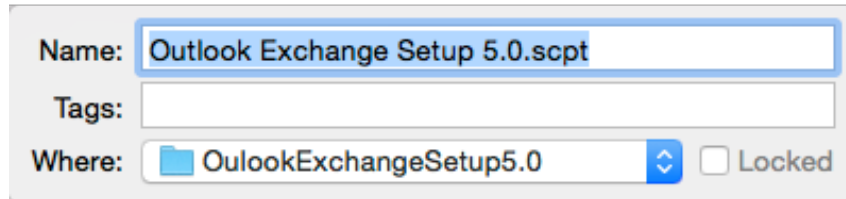
A screenshot of a script saving dialog box. It has three fields: 'Name:' with the text 'Outlook Exchange Setup 5.0.scpt', 'Tags:' which is empty, and 'Where:' which shows a folder icon and the text 'OulookExchangeSetup5.0'. To the right of the 'Where:' field is a blue button with a downward arrow and a checkbox labeled 'Locked'.

Figure 5. Save the script as Outlook Exchange Setup 5.0.scpt.

Note: If you change the name of this script file or its path, be sure to update the name in the OutlookExchangeSetupLaunchAgent.sh shell script.



# Create a Configuration Profile

Use a configuration profile to disable Outlook's first run windows. This takes the user directly to Outlook's Main Window and lets the AppleScript proceed with configuring the Exchange account without interference.

## Upload the plist

Locate the Extras folder inside the Outlook Exchange Setup 5.0 folder. It contains four configuration profiles (.mobileconfig) and five property list (.plist) files for your reference. A pre-created Microsoft\_Outlook\_2016\_First\_Run.mobileconfig is already in Outlook Exchange Setup 5.0 > Package > ROOT > private > tmp > Outlook Exchange Setup 5.0. Use it or create your own using the com.microsoft.Outlook.plist file.

Feel free to use the included configuration profiles. Keep in mind they will not reflect your organization's name if someone views them in System Preferences. Instead, they will display **Talking Moose Industries Unsigned**.

If you'd like your configuration profile to reflect your organization's name, use a Mobile Device Management (MDM) server such as Apple's Profile Manager (*See Figures 6 and 7*) or JAMF Software's Casper Suite, to create a new profile with a custom payload. Upload the com.microsoft.Outlook.plist file to the custom payload. (Optionally, upload any of the other plist files from the Extras folder for Excel, PowerPoint and Word to disable their first run windows. These aren't required but provided as a convenience.)

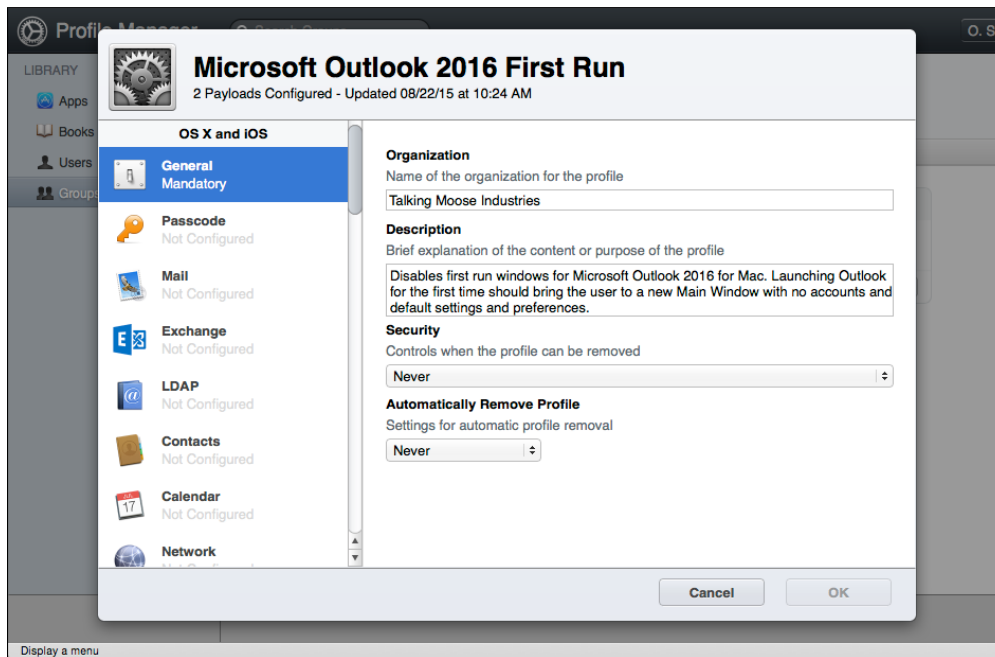


Figure 6. Profile Manager payload – General.

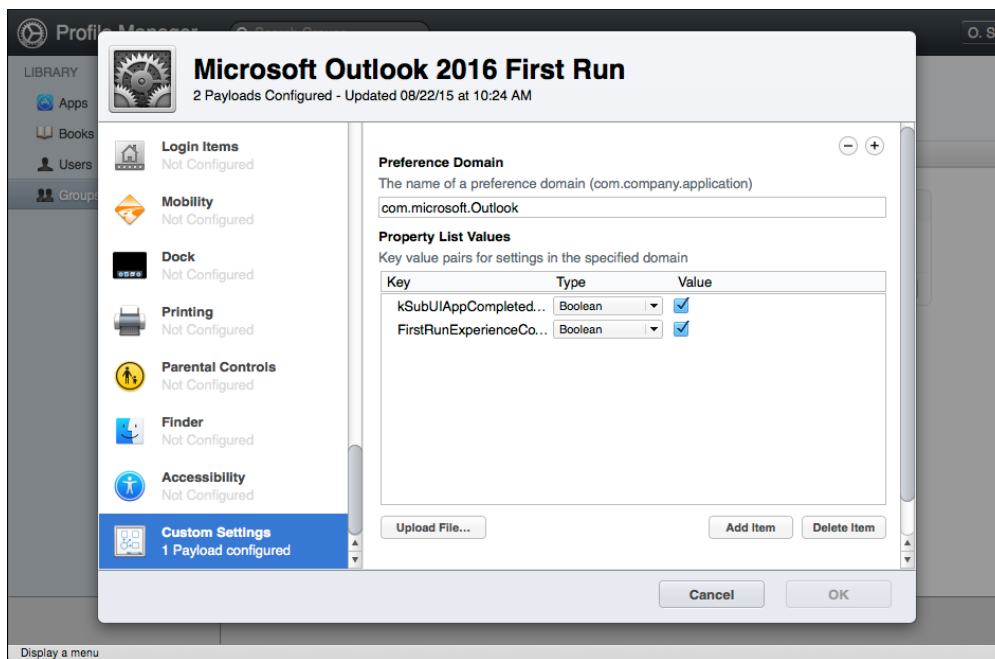


Figure 7. Profile Manager payload – Custom Settings.

If you don't have an MDM, use a tool such as `mcxToProfile` (<https://github.com/timsutton/mcxToProfile>) or similar tool to create the `.mobileconfig` file.

# Test the Setup

Copy these files to a location such as Users > Shared on your test Mac for easy access.

- Microsoft\_Outlook\_2016\_First\_Run.mobileconfig
- net.talkingmoose.OutlookExchangeSetupLaunchAgent.plist
- OutlookExchangeSetupLaunchAgent.sh
- Outlook Exchange Setup 5.0.scpt

## Install the configuration profile

Deploy the configuration profile to a test Mac over the air using Apple's Push Notification service (APNs) or download and install the .mobileconfig file manually using Terminal (one line).

```
sudo profiles -IF  
/Users/Shared/Microsoft_Outlook_2016_First_Run.mobileconfig
```

It should appear in the Profiles pane of System Preferences under Device Profiles (*See Figure 8*).

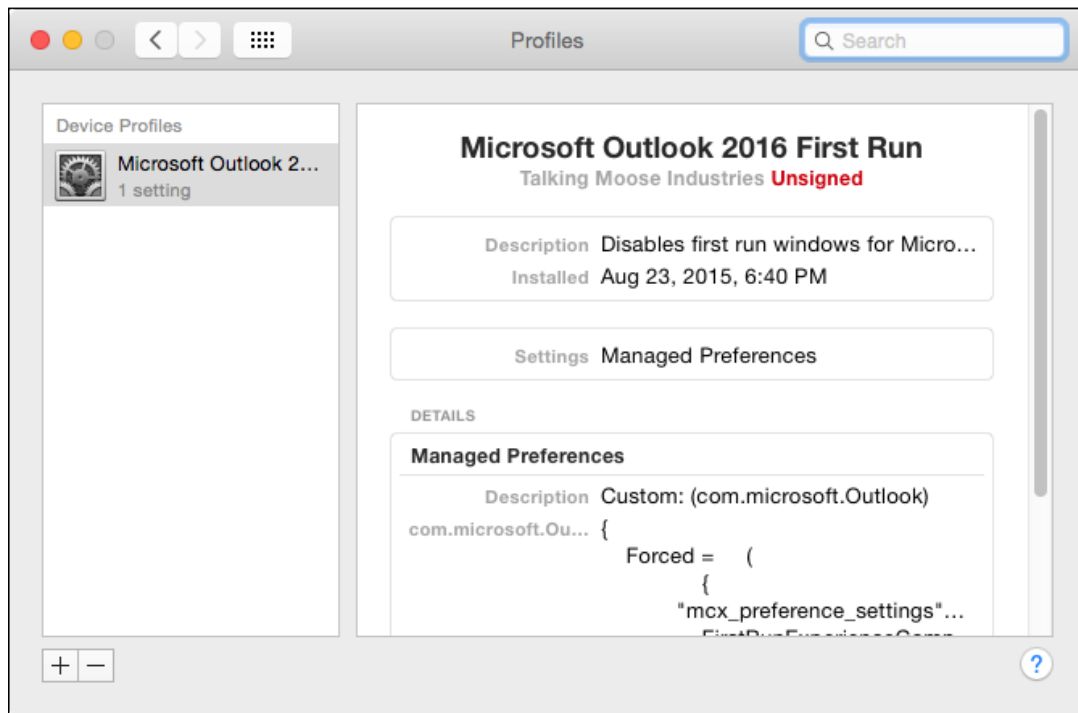


Figure 8. Installed configuration profile to disable Outlook's first run windows.

## Install the script files

Copy both the OutlookExchangeSetupLaunchAgent.sh shell script and prepared Outlook Exchange Setup 5.0.scpt AppleScript to Library > Talking Moose Industries > Scripts

Note: You may need to use the chmod command in Terminal to make the shell script executable (one line):

```
/usr/bin/sudo /usr/bin/chmod +x '/Library/Talking Moose Industries/Scripts/OutlookExchangeSetupLaunchAgent.sh'
```

## Install the launch agent

Copy the net.talkingmoose.OutlookExchangeSetupLaunchAgent.plist file to Library > LaunchAgents.

Note: You will need to use the chown and chmod commands in Terminal to correctly set ownership and permissions on the file (two lines):

```
/usr/bin/sudo /usr/bin/chown root:wheel  
'/Library/LaunchAgents/net.talkingmoose.OutlookExchangeSetupLaunchAgent.plist'
```

# Create a Configuration Profile

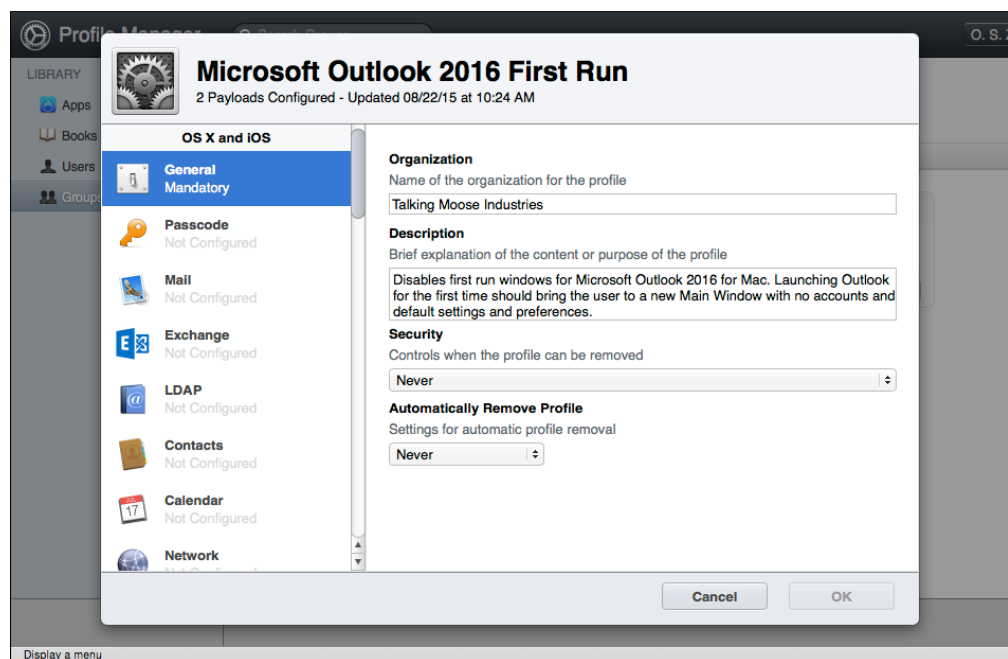
Use a configuration profile to disable Outlook's first run windows. This takes the user directly to Outlook's Main Window and lets the AppleScript proceed with configuring the Exchange account without interference.

## Upload the plist

Locate the Extras folder inside the Outlook Exchange Setup 5.0 folder. It contains four configuration profiles (.mobileconfig) and five property list (.plist) files for your reference. A pre-created Microsoft\_Outlook\_2016\_First\_Run.mobileconfig is already in Outlook Exchange Setup 5.0 > Package > ROOT > private > tmp > Outlook Exchange Setup 5.0. Use it or create your own using the com.microsoft.Outlook.plist file.

Feel free to use the included configuration profiles. Keep in mind they will not reflect your organization's name if someone views them in System Preferences. Instead, they will display **Talking Moose Industries Unsigned**.

If you'd like your configuration profile to reflect your organization's name, use a Mobile Device Management (MDM) server such as Apple's Profile Manager (See Figures 6 and 7) or JAMF Software's Casper Suite, to create a new profile with a custom payload. Upload the com.microsoft.Outlook.plist file to the custom payload. (Optionally, upload any of the other plist files from the Extras folder for Excel, PowerPoint and Word to disable their first run windows. These aren't required but provided as a convenience.)



Outlook Exchange Setup 5.0 Administrator's Guide

Figure 6. Profile Manager payload – General.

```
/usr/bin/sudo /usr/bin/chmod 644  
'/Library/LaunchAgents/net.talkingmoose.OutlookExchangeSetupLaunchAgent.  
plist'
```

### Install Office 2016 for Mac

Deploy Office 2016 for Mac using your preferred deployment tool or manually install it by double-clicking the installer package.

Note: The Outlook Exchange Setup 5.0.scpt AppleScript assumes you're using a volume license edition of Office and not Office 365. Office 365 not only requires activation but also supports Autodiscover. You don't need this script where Autodiscover already works.

### Create a test user

If your Mac is not bound to Active Directory, then open the Users & Groups pane of System Preferences and create a new local test user with a full name and short name. Be sure to adjust the Outlook Exchange Setup 5.0.scpt AppleScript's properties accordingly. Log in as the test user.

If your Mac is bound to Active Directory, then log in with a test Active Directory account. Be sure to adjust the Outlook Exchange Setup 5.0.scpt AppleScript's properties to use Active Directory for user information.

### Test Microsoft Outlook

Launch Microsoft Outlook. Its Main Window should appear without displaying any first run windows. If they do appear then verify your configuration profile is correctly configured and installed in System Preferences.

Outlook should prompt the user for his or her Exchange account password. (See Figure 9).



# Create a Configuration Profile

---

Use a configuration profile to disable Outlook's first run windows. This takes the user directly to Outlook's Main Window and lets the AppleScript proceed with configuring the Exchange account without interference.

## Upload the plist

Locate the Extras folder inside the Outlook Exchange Setup 5.0 folder. It contains four configuration profiles (.mobileconfig) and five property list (.plist) files for your reference. A pre-created Microsoft\_Outlook\_2016\_First\_Run.mobileconfig is already in Outlook Exchange Setup 5.0 > Package > ROOT > private > tmp > Outlook Exchange Setup 5.0. Use it or create your own using the com.microsoft.Outlook.plist file.

Feel free to use the included configuration profiles. Keep in mind they will not reflect your organization's name if someone views them in System Preferences. Instead, they will display **Talking Moose Industries Unsigned**.

If you'd like your configuration profile to reflect your organization's name, use a Mobile Device Management (MDM) server such as Apple's Profile Manager (See Figures 6 and 7) or JAMF Software's Casper Suite, to create a new profile with a custom payload. Upload the com.microsoft.Outlook.plist file to the custom payload. (Optionally, upload any of the other plist files from the Extras folder for Excel, PowerPoint and Word to disable their first run windows. These aren't required but provided as a convenience.)

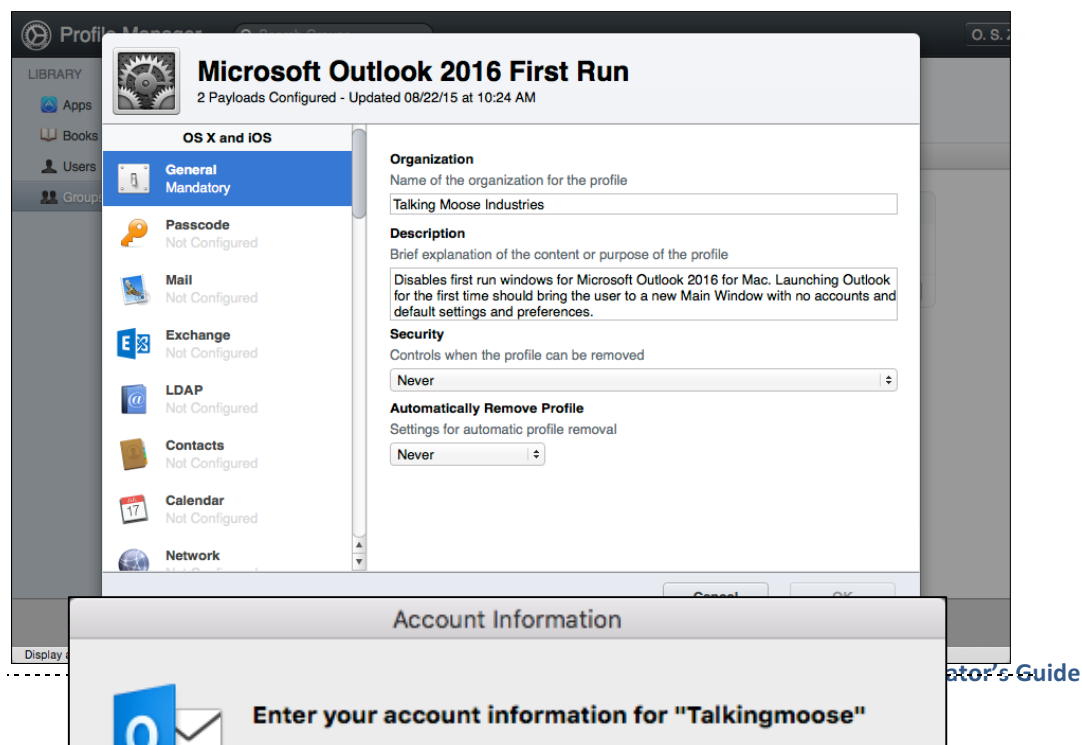


Figure 9. Outlook is ready to use.

Choose Outlook > Preferences > General. Verify whether “Group similar folders, such as Inboxes, from different accounts” matches your setting in the Outlook Exchange Setup 5.0.scpt AppleScript for the unifiedInbox property (*See Figure 10*). Also verify “Hide On My Computer folders” matches your setting for the hideOnMyComputerFolders property.

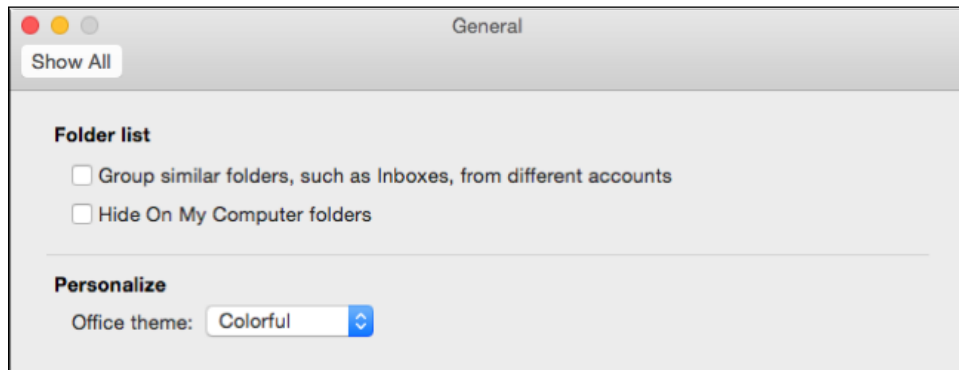


Figure 10. Verify the unifiedInbox property correctly set the “Group similar folders, such as Inboxes, from different accounts” setting.

Choose Outlook > Preferences > Accounts. Select your Exchange account and verify its settings (*See Figures 1, 2 and 3*).

Choose View > Go To > People and then choose View > Me Contact. Verify whether the script correctly populated your user’s contact record. At minimum, it should display first Name, last name and email address. If using Active Directory, it may display more depending on how well your organization populates its user data (*See Figure 11*).

# Create a Configuration Profile

---

Use a configuration profile to disable Outlook's first run windows. This takes the user directly to Outlook's Main Window and lets the AppleScript proceed with configuring the Exchange account without interference.

## Upload the plist

Locate the Extras folder inside the Outlook Exchange Setup 5.0 folder. It contains four configuration profiles (.mobileconfig) and five property list (.plist) files for your reference. A pre-created Microsoft\_Outlook\_2016\_First\_Run.mobileconfig is already in Outlook Exchange Setup 5.0 > Package > ROOT > private > tmp > Outlook Exchange Setup 5.0. Use it or create your own using the com.microsoft.Outlook.plist file.

Feel free to use the included configuration profiles. Keep in mind they will not reflect your organization's name if someone views them in System Preferences. Instead, they will display **Talking Moose Industries Unsigned**.

If you'd like your configuration profile to reflect your organization's name, use a Mobile Device Management (MDM) server such as Apple's Profile Manager (See Figures 6 and 7) or JAMF Software's Casper Suite, to create a new profile with a custom payload. Upload the com.microsoft.Outlook.plist file to the custom payload. (Optionally, upload any of the other plist files from the Extras folder for Excel, PowerPoint and Word to disable their first run windows. These aren't required but provided as a convenience.)

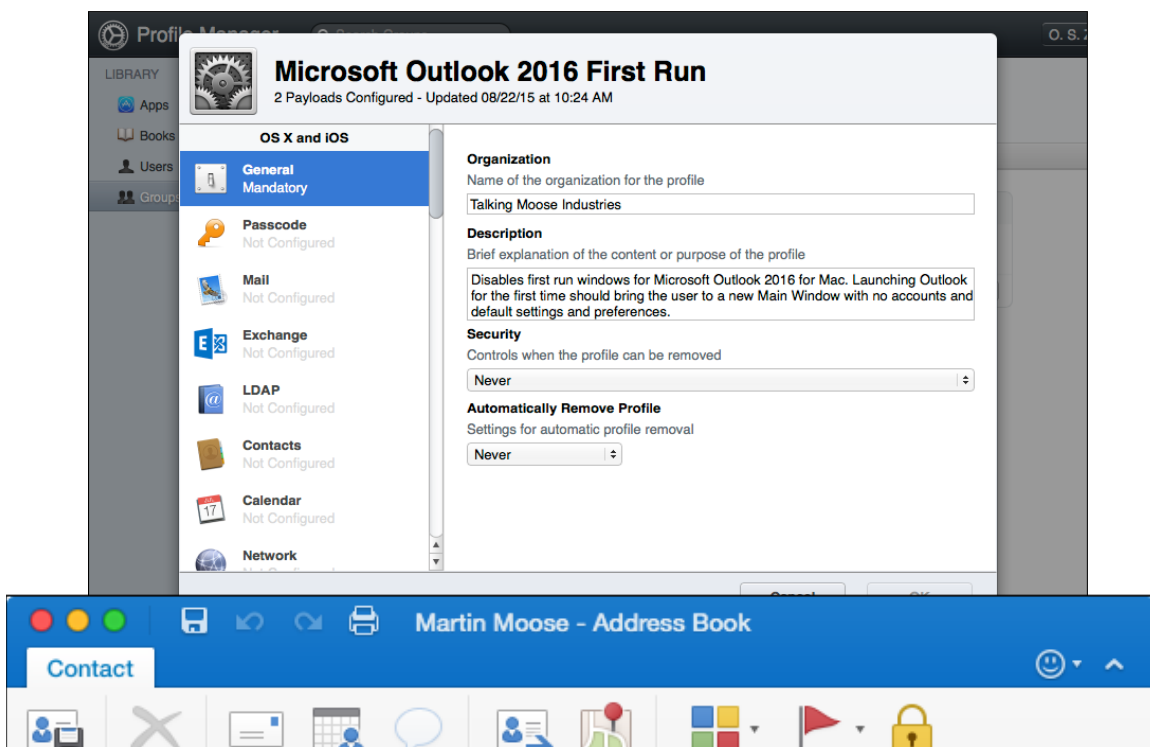


Figure 11. Me Contact record populated from Active Directory.

Continue testing with other accounts until you're satisfied the script is working correctly for your environment. Then proceed to packaging the scripts, configuration profile and launch agent for deployment.

## Package for Deployment

The final step is to package the scripts, configuration profile and launch agent for deployment.

The Package for Deployment app creates an Apple Installer package with the contents of the ROOT and Scripts folders. Use your favorite deployment tool to push your package to your target machines. Below are a few options:

- Apple Remote Desktop
- Casper
- munki

### Run the Package for Deployment app

Locate the Package for Deployment app in Outlook Exchange Setup 5.0 > Package. Double-click the app and follow the prompts.

First, name your installer. Click the Next button.

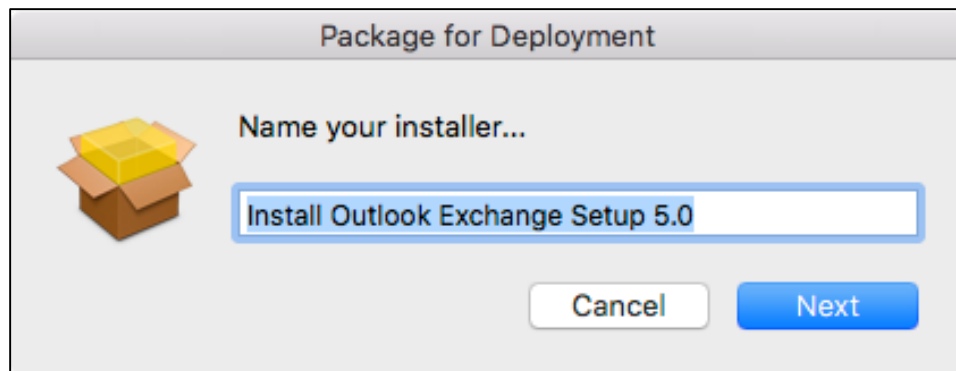


Figure 12. Name your installer.

Enter an identifier for your package. By default, the app takes the installer name and prepends a reverse domain name to the beginning. Follow the same naming convention and replace "net.talkingmoose" with the reverse domain name of your organization. Click the Next button.

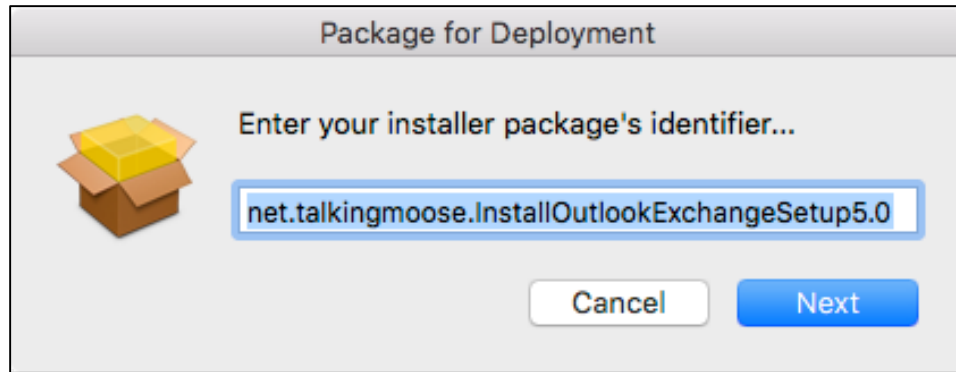


Figure 13. Name your installer.

Finally, provide a version number for your installer. This only appears in the package receipt but may be useful for other tools to help you identify the version of installer you've deployed to systems. Click the Build button.

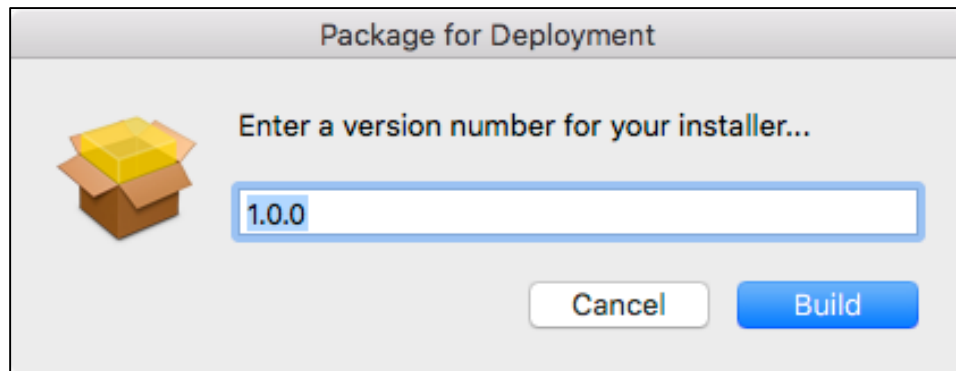


Figure 14. Name your installer.

After packaging, click the Show Package button to reveal your newly created installer. You'll find it in the same folders as the Package for Deployment app.

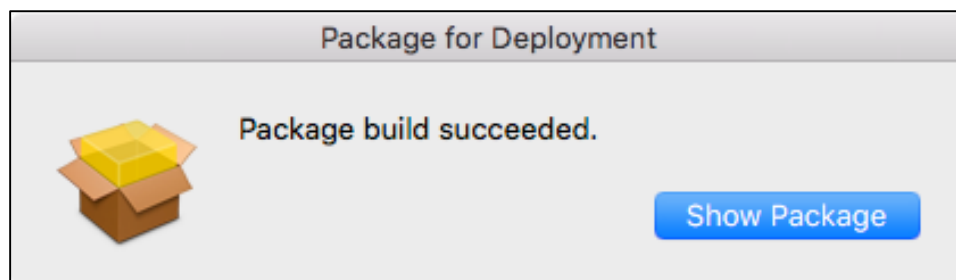


Figure 15. Click Show Package to select the newly created package in the Finder.

# Appendix A

The Outlook Exchange Setup 5.0.sct AppleScript:

```
(*
-----
Outlook Exchange Setup 5.0
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bill@officeformachelp.com

Except where otherwise noted, this work is licensed under
http://creativecommons.org/licenses/by/4.0/

This file is one of four files for assisting a user with
configuring
an Exchange account in Microsoft Outlook 2016 for Mac:

1. Outlook Exchange Setup 5.0.sct
2. OutlookExchangeSetupLaunchAgent.sh
3. net.talkingmoose.OutlookExchangeSetupLaunchAgent.plist
4. com.microsoft.Outlook.plist for creating a configuration
profile

These scripts and files may be freely modified for personal or
commercial
purposes but may not be republished for profit without prior
consent.

If you find these resources useful or have ideas for improving
them,
please let me know. It is only compatible with Outlook 2016 for
Mac.

-----

This script assists a user with the setup of his Exchange account
information. Below are basic instructions for using the script.
Consult the Outlook Exchange Setup 5.0 Administrator's Guide
for complete details.

1. Customize the "network and server properties" below with
information
appropriate to your network.

2. Deploy this script to a location on your Macs such as
"/Library/CompanyName/OutlookExchangeSetup5.0.sct".
```

3. Deploy the recommended "Outlook preferences.mobileconfig" configuration profile to eliminate Outlook's startup windows. This assumes you're using the volume license edition of Office 2016 for Mac.
4. Deploy the OutlookExchangeSetup5.0.plist file to /Library/LaunchAgents. Update the path to point to the OutlookExchangeSetup5.0.scpt script.

This script assumes the user's full name is in the form of "Last, First",  
but is easily modified if the full name is in the form of "First Last".

It works especially well if the Mac is bound to Active Directory where the user's short name will match his login name. Optionally, you can set dscl to pull the user's EMailAddress from a directory service.

\*)

```
-----  
-- Begin network, server and preferences  
-----  
  
----- Exchange Server settings -----  
  
property useKerberos : true  
-- Set this to true only if Macs in your environment are bound  
-- to Active Directory and your network is properly configured.  
  
property ExchangeServer : "exchange.example.com"  
-- Address of your organization's Exchange server.  
  
property ExchangeServerRequiresSSL : true  
-- True for most servers.  
  
property ExchangeServerSSLPort : 443  
-- If ExchangeServerRequiresSSL is true set the port to 443.  
-- If ExchangeServerRequiresSSL is false set the port to 80.  
-- Use a different port number only if your administrator  
instructs you.  
  
property DirectoryServer : "gc.example.com"  
-- Address of an internal Global Catalog server (a type of  
Windows domain controller).  
-- The LDAP server in a Windows network will be a Global Catalog  
server,  
-- which is separate from the Exchange Server.  
  
property DirectoryServerRequiresAuthentication : true  
-- This will almost always be true.
```



```

property DirectoryServerRequiresSSL : true
-- This will almost always be true.

property DirectoryServerSSLPort : 3269
-- If DirectoryServerRequiresSSL is true set the port to 3269.
-- If DirectoryServerRequiresSSL is false set the port to 3268.
-- Use a different port number only if your Exchange
administrator instructs you.

property DirectoryServerMaximumResults : 1000
-- When searching the Global Catalog server, this number
determines
-- the maximum number of entries to display.

property DirectoryServerSearchBase : ""
-- example: "cn=users,dc=domain,dc=com"
-- Usually, this is empty.

----- For Active Directory users -----

property getUserInformationFromActiveDirectory : true
-- If Macs are bound to Active Directory they can probably use
-- dscl to return the current user's email address, phone number,
title, etc.
-- Use Active Directory when possible, otherwise complete the
next section.

----- For non Active Directory users -----

property domainName : "example.com"
-- Complete this only if not using Active Directory to get user
information.
-- The part of your organization's email address following the @
symbol.

property emailFormat : 1
-- Complete this only if not using Active Directory to get user
information.
-- When Active Directory is unavailable to determine a user's
email address,
-- this script will attempt to parse it from the display name of
the user's login.

-- Describe your organization's email format:
-- 1: Email format is first.last@domain.com
-- 2: Email format is first@domain.com
-- 3: Email format is flast@domain.com (first name initial plus
last name)
-- 4: Email format is shortName@domain.com

property displayName : 2
-- Complete this only if not using Active Directory to get user
information.

```

```
-- Describe how the user's display name appears at the bottom of
the menu
-- when clicking the Apple menu (Log Out Joe Cool... or Log Out
Cool, Joe...).
-- 1: Display name appears as "Last, First"
-- 2: Display name appears as "First Last"

property domainPrefix : ""
-- Append a NetBIOS domain name to the beginning of the user's
short name.
-- Be sure to use two backslashes when adding a name.
-- Example: Use "TALKINGMOOSE\\" to set user name
"TALKINGMOOSE\username".

----- User Experience -----

property verifyEmailAddress : false
-- If set to "true", a dialog asks the user to confirm his email
address.

property verifyServerAddress : false
-- If set to "true", a dialog asks the user to confirm his
Exchange server address.

property displayDomainPrefix : false
-- If set to "true", the username appears as "DOMAIN\username".
-- Otherwise, the username appears as "username".

property downloadHeadersOnly : false
-- If set to "true", only email headers are downloaded into
Outlook.
-- This takes much less time to sync but a user must be online
-- to download and view messages.

property hideOnMyComputerFolders : false
-- If set to "true", hides local folders.
-- A single Exchange account should do this by default.

property unifiedInbox : false
-- If set to "true", turns on the Group Similar Folders feature
-- in Outlook menu > Preferences > General.

property disableAutodiscover : false
-- If set to "true", disables Autodiscover functionality
-- for the Exchange account. Not recommended for mobile devices
-- that may connect to an internal Exchange server addresss and
-- connect to a different external Exchange server address.

property errorMessage : "Outlook's setup for your Exchange
account failed. Please contact the Help Desk for assistance."
-- Customize this error message for your users in case their
account setup fails

-----
```

```

-- End network, server and preferences
-----

-----
-- Begin collecting user information
-----

-- attempt to read information from Active Directory for the Me
Contact record

set userFirstName to ""
set userLastName to ""
set userDepartment to ""
set userOffice to ""
set userCompany to ""
set userWorkPhone to ""
set userMobile to ""
set userFax to ""
set userTitle to ""
set userStreet to ""
set userCity to ""
set userState to ""
set userPostalCode to ""
set userCountry to ""
set userWebPage to ""

if getUserInformationFromActiveDirectory is true then

    -- Get information from Active Directoy

    -- get the domain's primary NetBIOS domain name

    try
        set netbiosDomain to do shell script "/usr/bin/dscl
        \"/Active Directory/" -read / SubNodes | awk 'BEGIN {FS="\\": \\}"
        {print $2}'"
        if displayDomainPrefix is true then
            set domainPrefix to netbiosDomain & "\\\"
        else
            set domainPrefix to ""
        end if
    on error

        -- something went wrong

        display dialog errorMessage & return & return & "Unable to
        determine NETBIOS domain name. This computer may not be bound to
        Active Directory." with icon stop buttons {"OK"} default button
        {"OK"} with title "Outlook Exchange Setup"
        error number -128
    end try

    -- read full user information from Active Directory

    try

```

```
set AppleScript's text item delimiters to {": "}  
set userInfo to do shell script "/usr/bin/dscl  
\"/Active Directory/" & netbiosDomain & "/All Domains/" -read  
/Users/$USER AuthenticationAuthority City co company department  
physicalDeliveryOfficeName sAMAccountName wwwHomePage  
EmailAddress FAXNumber FirstName JobTitle LastName MobileNumber  
PhoneNumber PostalCode RealName State Street"  
on error  
  
    -- something went wrong  
  
    display dialog errorMessage & return & return & "Unable to  
read user information from network directory." with icon stop  
buttons {"OK"} default button {"OK"} with title "Outlook Exchange  
Setup"  
    error number -128  
end try  
  
repeat with i from 1 to count of paragraphs in userInfo  
  
    set AppleScript's text item delimiters to {": "}  
    if paragraph i of userInfo begins with  
"EmailAddress:" then  
        try  
            set emailAddress to text item 2 of paragraph  
i of userInfo  
        on error  
            set AppleScript's text item delimiters to  
{""}  
            set emailAddress to characters 2 through end  
of paragraph (i + 1) of userInfo as string  
        end try  
    end if  
  
    set AppleScript's text item delimiters to {": "}  
    if paragraph i of userInfo begins with  
"dsAttrTypeNative:co:" then  
        try  
            set userCountry to text item 2 of paragraph i  
of userInfo  
        on error  
            set AppleScript's text item delimiters to  
{""}  
            set userCountry to characters 2 through end  
of paragraph (i + 1) of userInfo as string  
        end try  
    end if  
  
    set AppleScript's text item delimiters to {": "}  
    if paragraph i of userInfo begins with  
"dsAttrTypeNative:company:" then  
        try  
            set userCompany to text item 2 of paragraph i  
of userInfo  
        on error
```

```

        set AppleScript's text item delimiters to
{" "}
        set userCompany to characters 2 through end
of paragraph (i + 1) of userInformation as string
    end try
end if

    set AppleScript's text item delimiters to {" ": " "}
    if paragraph i of userInformation begins with
"dsAttrTypeNative:department:" then
        try
            set userDepartment to text item 2 of
paragraph i of userInformation
        on error
            set AppleScript's text item delimiters to
{" "}
            set userDepartment to characters 2 through
end of paragraph (i + 1) of userInformation as string
        end try
    end if

    set AppleScript's text item delimiters to {" ": " "}
    if paragraph i of userInformation begins with
"dsAttrTypeNative:physicalDeliveryOfficeName:" then
        try
            set userOffice to text item 2 of paragraph i
of userInformation
        on error
            set AppleScript's text item delimiters to
{" "}
            set userOffice to characters 2 through end of
paragraph (i + 1) of userInformation as string
        end try
    end if

    set AppleScript's text item delimiters to {" ": " "}
    if paragraph i of userInformation begins with
"dsAttrTypeNative:sAMAccountName:" then
        try
            set userShortName to text item 2 of paragraph
i of userInformation
        on error
            set AppleScript's text item delimiters to
{" "}
            set userShortName to characters 2 through end
of paragraph (i + 1) of userInformation as string
        end try
    end if

    set AppleScript's text item delimiters to {" ": " "}
    if paragraph i of userInformation begins with
"dsAttrTypeNative:wwwHomePage:" then
        try
            set userWebPage to text item 2 of paragraph i
of userInformation

```

```
on error
    set AppleScript's text item delimiters to
{""}
    set userWebPage to characters 2 through end
of paragraph (i + 1) of userInformation as string
end try
end if

set AppleScript's text item delimiters to {": "}
if paragraph i of userInformation begins with "City:" then
    try
        set userCity to text item 2 of paragraph i of
userInformation
    on error
        set AppleScript's text item delimiters to
{""}
        set userCity to characters 2 through end of
paragraph (i + 1) of userInformation as string
    end try
end if

set AppleScript's text item delimiters to {": "}
if paragraph i of userInformation begins with "FAXNumber:"
then
    try
        set userFax to text item 2 of paragraph i of
userInformation
    on error
        set AppleScript's text item delimiters to
{""}
        set userFax to characters 2 through end of
paragraph (i + 1) of userInformation as string
    end try
end if

set AppleScript's text item delimiters to {": "}
if paragraph i of userInformation begins with "FirstName:"
then
    try
        set userFirstName to text item 2 of paragraph
i of userInformation
    on error
        set AppleScript's text item delimiters to
{""}
        set userFirstName to characters 2 through end
of paragraph (i + 1) of userInformation as string
    end try
end if

set AppleScript's text item delimiters to {": "}
if paragraph i of userInformation begins with "JobTitle:"
then
    try
        set userTitle to text item 2 of paragraph i
of userInformation
```

```

        on error
            set AppleScript's text item delimiters to
{""}
            set userTitle to characters 2 through end of
paragraph (i + 1) of userInformation as string
        end try
    end if

    set AppleScript's text item delimiters to {": "}
    if paragraph i of userInformation begins with "LastName:"
then
        try
            set userLastName to text item 2 of paragraph
i of userInformation
        on error
            set AppleScript's text item delimiters to
{""}
            set userLastName to characters 2 through end
of paragraph (i + 1) of userInformation as string
        end try
    end if

    set AppleScript's text item delimiters to {": "}
    if paragraph i of userInformation begins with
"MobileNumber:" then
        try
            set userMobile to text item 2 of paragraph i
of userInformation
        on error
            set AppleScript's text item delimiters to
{""}
            set userMobile to characters 2 through end of
paragraph (i + 1) of userInformation as string
        end try
    end if

    set AppleScript's text item delimiters to {": "}
    if paragraph i of userInformation begins with
"PhoneNumber:" then
        try
            set userWorkPhone to text item 2 of paragraph
i of userInformation
        on error
            set AppleScript's text item delimiters to
{""}
            set userWorkPhone to characters 2 through end
of paragraph (i + 1) of userInformation as string
        end try
    end if

    set AppleScript's text item delimiters to {": "}
    if paragraph i of userInformation begins with
"PostalCode:" then
        try

```

```
        set userPostalCode to text item 2 of
paragraph i of userInformation
        on error
            set AppleScript's text item delimiters to
{" "}
            set userPostalCode to characters 2 through
end of paragraph (i + 1) of userInformation as string
        end try
    end if

    set AppleScript's text item delimiters to {" ": " "}
    if paragraph i of userInformation begins with "RealName:"
then
        try
            set userFullName to text item 2 of paragraph
i of userInformation
            on error
                set AppleScript's text item delimiters to
{" "}
                set userFullName to characters 2 through end
of paragraph (i + 1) of userInformation as string
            end try
        end if

        set AppleScript's text item delimiters to {" ": " "}
        if paragraph i of userInformation begins with "State:"
then
            try
                set userState to text item 2 of paragraph i
of userInformation
                on error
                    set AppleScript's text item delimiters to
{" "}
                    set userState to characters 2 through end of
paragraph (i + 1) of userInformation as string
                end try
            end if

            set AppleScript's text item delimiters to {" ": " "}
            if paragraph i of userInformation begins with "Street:"
then
                try
                    set userStreet to text item 2 of paragraph i
of userInformation
                    on error
                        set AppleScript's text item delimiters to
{" "}
                        set userStreet to characters 2 through end of
paragraph (i + 1) of userInformation as string
                    end try
                end if
            end if
        end repeat
```



```

    set AppleScript's text item delimiters to {";Kerberosv5;;",
";"}

    try
        set userKerberosRealm to text item 2 of userInformation
    end try

    set AppleScript's text item delimiters to {""}

    if emailAddress is "" then

        -- something went wrong

        display dialog errorMessage & return & return & "Unable to
read email address from network directory." with icon stop
buttons {"OK"} default button {"OK"} with title "Outlook Exchange
Setup"
        error number -128
    end if

else if emailFormat is 1 and displayName is 1 then

    -- Pull user information from the account settings of the
local user account

    set userShortName to short user name of (system info)
    set userFullName to long user name of (system info)

    -- first.last@domain.com and full name displays as "Last,
First"

    set AppleScript's text item delimiters to ", "
    set userFirstName to last text item of userFullName
    set userLastName to word 1 of text item 1 of userFullName
    set AppleScript's text item delimiters to ""
    set emailAddress to userFirstName & "." & userLastName & "@" &
domainName

else if emailFormat is 1 and displayName is 2 then

    -- Pull user information from the account settings of the
local user account

    set userShortName to short user name of (system info)
    set userFullName to long user name of (system info)

    -- first.last@domain.com and full name displays as "First
Last"

    set AppleScript's text item delimiters to " "
    set userFirstName to word 1 of text item 1 of userFullName
    set userLastName to last text item of userFullName
    set AppleScript's text item delimiters to ""
    set emailAddress to userFirstName & "." & userLastName & "@" &
domainName

```

```
else if emailFormat is 2 and displayName is 1 then

    -- Pull user information from the account settings of the
    local user account

    set userShortName to short user name of (system info)
    set userFullName to long user name of (system info)

    -- first@domain.com and full name displays as "Last, First"

    set AppleScript's text item delimiters to ", "
    set userFirstName to last text item of userFullName
    set userLastName to word 1 of text item 1 of userFullName
    set AppleScript's text item delimiters to ""
    set emailAddress to userFirstName & "@" & domainName

else if emailFormat is 2 and displayName is 2 then

    -- Pull user information from the account settings of the
    local user account

    set userShortName to short user name of (system info)
    set userFullName to long user name of (system info)

    -- first@domain.com if full name displays as "First Last"

    set AppleScript's text item delimiters to " "
    set userFirstName to word 1 of text item 1 of userFullName
    set userLastName to last text item of userFullName
    set AppleScript's text item delimiters to ""
    set emailAddress to userFirstName & "@" & domainName

else if emailFormat is 3 and displayName is 1 then

    -- Pull user information from the account settings of the
    local user account

    set userShortName to short user name of (system info)
    set userFullName to long user name of (system info)

    -- flast@domain.com and full name displays as "Last, First"

    set AppleScript's text item delimiters to ", "
    set userFirstName to last text item of userFullName
    set userLastName to word 1 of text item 1 of userFullName
    set AppleScript's text item delimiters to ""
    set emailAddress to (character 1 of userFirstName) &
userLastName & "@" & domainName

else if emailFormat is 3 and displayName is 2 then

    -- Pull user information from the account settings of the
    local user account
```

```

set userShortName to short user name of (system info)
set userFullName to long user name of (system info)

-- flast@domain.com and full name displays as "First Last"

set AppleScript's text item delimiters to " "
set userFirstName to word 1 of text item 1 of userFullName
set userLastName to last text item of userFullName
set AppleScript's text item delimiters to ""
set emailAddress to (character 1 of userFirstName &
userLastName & "@" & domainName)

else if emailFormat is 4 and displayName is 1 then

    -- Pull user information from the account settings of the
    local user account

    set userShortName to short user name of (system info)
    set userFullName to long user name of (system info)

    -- shortName@domain.com and full name displays as "Last,
    First"

    set AppleScript's text item delimiters to ", "
    set userFirstName to last text item of userFullName
    set userLastName to word 1 of text item 1 of userFullName
    set AppleScript's text item delimiters to ""
    set emailAddress to userShortName & "@" & domainName

else if emailFormat is 4 and displayName is 2 then

    -- Pull user information from the account settings of the
    local user account

    set userShortName to short user name of (system info)
    set userFullName to long user name of (system info)

    -- shortName@domain.com and full name displays as "First Last"

    set AppleScript's text item delimiters to " "
    set userFirstName to word 1 of text item 1 of userFullName
    set userLastName to last text item of userFullName
    set AppleScript's text item delimiters to ""
    set emailAddress to userShortName & "@" & domainName

else

    -- something went wrong

    display dialog errorMessage & return & return & "Unable to
    parse account information from local OS X account." with icon
    stop buttons {"OK"} default button {"OK"} with title "Outlook
    Exchange Setup"
    error number -128

```

```
end if

-----
-- End collecting user information
-----

-----
-- Begin account setup
-----

tell application "Microsoft Outlook"
  activate

  try
    set group similar folders to unifiedInbox
  end try

  try
    set hide on my computer folders to hideOnMyComputerFolders
  end try

  if verifyEmailAddress is true then
    set verifyEmail to display dialog "Please verify your
email address is correct." default answer emailAddress with icon
1 with title "Outlook Exchange Setup" buttons {"Cancel",
"Verify"} default button {"Verify"}
    set emailAddress to text returned of verifyEmail
  end if

  if verifyServerAddress is true then
    set verifyServer to display dialog "Please verify your
Exchange Server name is correct." default answer ExchangeServer
with icon 1 with title "Outlook Exchange Setup" buttons
{"Cancel", "Verify"} default button {"Verify"}
    set ExchangeServer to text returned of verifyServer
  end if

  -- create the Exchange account

  try
    set newExchangeAccount to make new exchange account with
properties -
      {name:"Mailbox - " & userFullName, user
name:domainPrefix & userShortName, full name:userFullName, email
address:emailAddress, server:ExchangeServer, use
ssl:ExchangeServerRequiresSSL, port:ExchangeServerSSLPort, ldap
server:DirectoryServer, ldap needs
authentication:DirectoryServerRequiresAuthentication, ldap use
ssl:DirectoryServerRequiresSSL, ldap max
entries:DirectoryServerMaximumResults, ldap search
base:DirectoryServerSearchBase, receive partial
messages:downloadHeadersOnly, background
autodiscover:disableAutodiscover}
  on error
```

```

-- something went wrong

    display dialog errorMessage & return & return & "Unable to
create Exchange account." with icon stop buttons {"OK"} default
button {"OK"} with title "Outlook Exchange Setup"
    error number -128

end try

-- The following lines enable Kerberos support if the
userKerberos property above is set to true.

if useKerberos is true then
    try
        set use kerberos authentication of
newExchangeAccount to useKerberos
        set principal of newExchangeAccount to
userKerberosRealm
    on error

        -- something went wrong

        display dialog errorMessage & return & return &
"Unable to set Exchange account to use Kerberos." with icon stop
buttons {"OK"} default button {"OK"} with title "Outlook Exchange
Setup"

        error number -128

    end try
end if

-- The Me Contact record is automatically created with the
first account.
-- Set the first name, last name, email address and other
information using Active Directory.

set first name of me contact to userFirstName
set last name of me contact to userLastName
set email addresses of me contact to {address:emailAddress,
type:work}
set department of me contact to userDepartment
set office of me contact to userOffice
set company of me contact to userCompany
set business phone number of me contact to userWorkPhone
set mobile number of me contact to userMobile
set business fax number of me contact to userFax
set job title of me contact to userTitle
set business street address of me contact to userStreet
set business city of me contact to userCity
set business state of me contact to userState
set business zip of me contact to userPostalCode
set business country of me contact to userCountry
set business web page of me contact to userWebPage

-- We're done.

```

```
end tell

do shell script "/bin/rm
$HOME/Library/LaunchAgents/net.talkingmoose.OutlookExchangeSetup5
.0.plist"
do shell script "/bin/launchctl remove
net.talkingmoose.OutlookExchangeSetup5.0"

-----
-- End account setup
-----
```

## Appendix B

The Package for Deployment.app script:

```
(*

-----
Outlook Exchange Setup 5.0
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bill@officeformachelp.com

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This file accompanies four files for assisting a user with
configuring
an Exchange account in Microsoft Outlook 2016 for Mac:

1. Outlook Exchange Setup 5.0.scpt
2. OutlookExchangeSetupLaunchAgent.sh
3. net.talkingmoose.OutlookExchangeSetupLaunchAgent.plist
4. com.microsoft.Outlook.plist for creating a configuraiton
profile

These scripts and files may be freely modified for personal or
commercial
purposes but may not be republished for profit without prior
consent.

If you find these resources useful or have ideas for improving
them,
please let me know. It is only compatible with Outlook 2016 for
Mac.

-----

This script assists administrators with creating an Apple
Installer
package for deploying the necessary files for Outlook Exchange
Setup 5.0.

*)

-- prompt for package details
set packageName to text returned of (display dialog "Name your
installer..." default answer "Install Outlook Exchange Setup 5.0"
```

```
with icon file ((path to application "Installer" as string) &
"Contents:Resources:package.icns") buttons {"Cancel", "Next"}
default button {"Next"} with title "Package for Deployment")

set packageIdentifier to text returned of (display dialog "Enter
your installer package's identifier..." default answer
"net.talkingmoose" & "." & (every word of packageName) with icon
file ((path to application "Installer" as string) &
"Contents:Resources:package.icns") buttons {"Cancel", "Next"}
default button {"Next"} with title "Package for Deployment")

set packageVersion to every word of text returned of (display
dialog "Enter a version number for your installer..." default
answer "1.0.0" with icon file ((path to application "Installer"
as string) & "Contents:Resources:package.icns") buttons
{"Cancel", "Build"} default button {"Build"} with title "Package
for Deployment")

-- locate the ROOT folder
set myLocation to path to me

tell application "Finder"
    set rootFolder to (container of myLocation as string) &
"ROOT:"
    if (exists of folder rootFolder) is false then
        set rootFolder to choose folder with prompt "Select the
ROOT folder containing files for deployment."
        set rootFolder to rootFolder as string
    end if
end tell

set rootPath to POSIX path of rootFolder
tell application "Finder"
    set myFolderPath to POSIX path of (container of myLocation as
string)
end tell

-- delete any hidden files
set removeDSStores to "find '" & rootPath & "' -name .DS_Store -
delete" as string
do shell script removeDSStores

-- build the package
set buildPackage to "pkgbuild --identifier '" & packageIdentifier
& "' --version '" & packageVersion & "' --scripts '" &
myFolderPath & "Scripts' --root '" & rootPath & "' '" &
myFolderPath & packageName & ".pkg'" as string

try
    set theInstaller to do shell script buildPackage
    display dialog "Package build succeeded." with icon file
((path to application "Installer" as string) &
"Contents:Resources:package.icns") with title "Package for
Deployment" buttons {"Show Package"} default button {"Show
Package"}
```



```
    set thePackage to POSIX file (myFolderPath & packageName &
".pkg")
    tell application "Finder"
        activate
        select thePackage
    end tell
on error
    display dialog "Package build failed. Verify ROOT and Scripts
folders are in the same folder as this Package for Deployment
app." with icon stop with title "Package for Deployment" buttons
{"OK"} default button {"OK"}
end try
```



## Appendix C

The OutlookExchangeSetupLaunchAgent.sh script:

```
#!/bin/sh

# -----
# Outlook Exchange Setup 5.0
# © Copyright 2008-2015 William Smith
# bill@officeformachelp.com
#
# Except where otherwise noted, this work is licensed under
# http://creativecommons.org/licenses/by/4.0/
#
# This file is one of four files for assisting a user with
# configuring
# an Exchange account in Microsoft Outlook 2016 for Mac:
#
# 1. Outlook Exchange Setup 5.0.scpt
# 2. OutlookExchangeSetupLaunchAgent.sh
# 3. net.talkingmoose.OutlookExchangeSetupLaunchAgent.plist
# 4. com.microsoft.Outlook.plist for creating a configuraiton
# profile
#
# These scripts and files may be freely modified for personal or
# commercial
# purposes but may not be republished for profit without prior
# consent.
#
# If you find these resources useful or have ideas for improving
# them,
# please let me know. It is only compatible with Outlook 2016 for
# Mac.
# -----

# Check for the existence of the UBF8T346G9.Office folder.
# If it doesn't exist then no Office 2016 for Mac application has
# run.
# Create the folder create the OutlookProfile.plist file.
# Also create a user LaunchAgents folder and an Outlook setup
# launchd agent.

if [[ ! -d "$HOME/Library/Group Containers/UBF8T346G9.Office" ]]
; then
    /bin/mkdir -p "$HOME/Library/Group
Containers/UBF8T346G9.Office"
    /usr/bin/touch "$HOME/Library/Group
Containers/UBF8T346G9.Office/OutlookProfile.plist"
    /bin/mkdir -p "$HOME/Library/LaunchAgents"
```

```
    launchagent='<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE plist PUBLIC "-//Apple//DTD PLIST 1.0//EN"
"http://www.apple.com/DTDs/PropertyList-1.0.dtd">
<plist version="1.0">
<dict>
    <key>Disabled</key>
    <false/>
    <key>EnvironmentVariables</key>
    <dict>
        <key>PATH</key>

        <string>/usr/local/bin:/usr/bin:/bin:/usr/sbin:/sbin:/Applications/Server.app/Contents/ServerRoot/usr/bin:/Applications/Server.app/Contents/ServerRoot/usr/sbin:/usr/local/sbin</string>
    </dict>
    <key>Label</key>
    <string>net.talkingmoose.OutlookExchangeSetup5.0</string>
    <key>ProgramArguments</key>
    <array>
        <string>/usr/bin/osascript</string>
        <string>/Library/Talking Moose Industries/Scripts/Outlook
Exchange Setup 5.0.scpt</string>
    </array>
    <key>RunAtLoad</key>
    <false/>
    <key>WatchPaths</key>
    <array>
        <string>~/Library/Group
Containers/UBF8T346G9.Office/OutlookProfile.plist</string>
    </array>
</dict>
</plist>
'
```

```
    /bin/echo "$launchagent" >>
"$HOME/Library/LaunchAgents/net.talkingmoose.OutlookExchangeSetup
5.0.plist"
    /bin/chmod 644
"$HOME/Library/LaunchAgents/net.talkingmoose.OutlookExchangeSetup
5.0.plist"
    /bin/launchctl load
"$HOME/Library/LaunchAgents/net.talkingmoose.OutlookExchangeSetup
5.0.plist"
```

```
fi
```

```
# Check for the existence of anything in an Outlook profile's
Exchange Accounts folder.
# If anything exists, an Exchange account exists. Nothing more to
do.
# Unload and remove the launch agent if it stil exists.
```

```
profile=$( /usr/bin/defaults read "$HOME/Library/Group
Containers/UBF8T346G9.Office/OutlookProfile.plist"
Default_Profile_Name )

if [[ -f "$HOME/Library/Group
Containers/UBF8T346G9.Office/Outlook/Outlook 15
Profiles/$profile/Data/Exchange Accounts/"* ]] ; then
    /bin/launchctl unload
"$HOME/Library/LaunchAgents/net.talkingmoose.OutlookExchangeSetup
5.0.plist"
    /bin/rm
"$HOME/Library/LaunchAgents/net.talkingmoose.OutlookExchangeSetup
5.0.plist"
fi

exit 0
```



# Appendix D

The net.talkingmoose.OutlookExchangeSetupLaunchAgent.plist launch agent:

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE plist PUBLIC "-//Apple//DTD PLIST 1.0//EN"
"http://www.apple.com/DTDs/PropertyList-1.0.dtd">
<plist version="1.0">
```

```
<!--
Outlook Exchange Setup 5.0
© Copyright 2008-2015 William Smith
bill@officeformachelp.com
```

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This file is one of four files for assisting a user with  
 configuring  
 an Exchange account in Microsoft Outlook 2016 for Mac:

1. Outlook Exchange Setup 5.0.scpt
2. OutlookExchangeSetupLaunchAgent.sh
3. net.talkingmoose.OutlookExchangeSetupLaunchAgent.plist
4. com.microsoft.Outlook.plist for creating a configuration profile

These scripts and files may be freely modified for personal or  
 commercial  
 purposes but may not be republished for profit without prior  
 consent.

If you find these resources useful or have ideas for improving  
 them,  
 please let me know. It is only compatible with Outlook 2016 for  
 Mac.

```
-->
```

```
<dict>
  <key>Disabled</key>
  <false/>
  <key>EnvironmentVariables</key>
  <dict>
    <key>PATH</key>

    <string>/usr/local/bin:/usr/bin:/bin:/usr/sbin:/sbin:/Applicat
ions/Server.app/Contents/ServerRoot/usr/bin:/Applications/Server.
app/Contents/ServerRoot/usr/sbin:/usr/local/sbin</string>
  </dict>
```

```
<key>Label</key>
<string>net.talkingmoose.OutlookExchangeSetupLaunchAgent</string>
ng>
<key>ProgramArguments</key>
<array>
  <string>/bin/sh</string>
  <string>/Library/Talking Moose
Industries/Scripts/OutlookExchangeSetupLaunchAgent.sh</string>
</array>
<key>RunAtLoad</key>
<true/>
</dict>
</plist>
```



## Appendix E

The com.microsoft.Outlook.plist preference file:

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE plist PUBLIC "-//Apple//DTD PLIST 1.0//EN"
"http://www.apple.com/DTDs/PropertyList-1.0.dtd">
<plist version="1.0">
<dict>
  <key>FirstRunExperienceCompleted015</key>
  <true/>
  <key>OUIWhatsNewLastShownLink</key>
  <string>624956</string>
  <key>kSubUIAppCompletedFirstRunSetup1507</key>
  <true/>
</dict>
</plist>
```