

# Exchange 2013+ Setup

Ubiq Hardware Software



# Exchange Setup - Ubiq Hardware Software

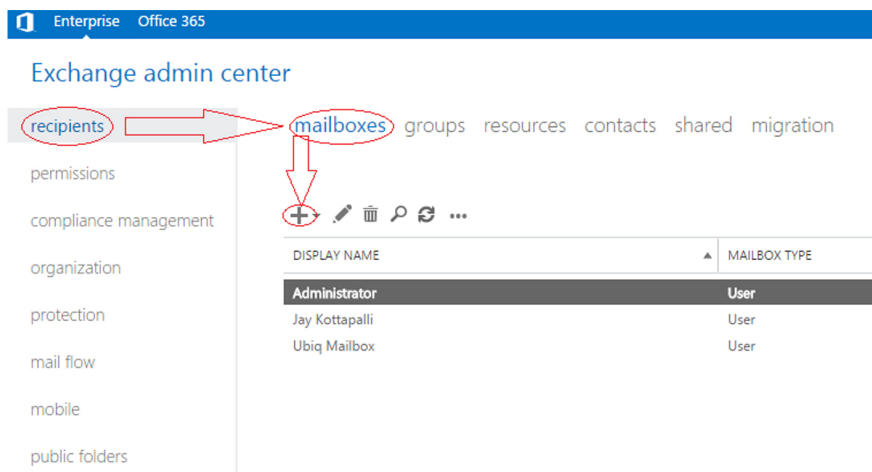
## 1. Introduction

In order to integrate Exchange (2013+) with Ubiq to display meeting room calendar events, we'll need to do three things. First, create a service account for Ubiq to access the mail server with. Second, create or locate room resources for Ubiq Hive retrieve the calendar events. And third, give "Application Impersonation" permission to the Ubiq service account to control these room resources.

Create a service account:

To create a service (User) account, login to the Exchange Management Center of your Exchange server. Then go to Recipients >> Mailboxes >> "+" icon:

### 1.1 Create a service account:



A window will open where you enter the details as following:

The screenshot shows the 'new user mailbox' form. The form is titled 'new user mailbox' and has several fields and options. The 'Alias' field is empty. There are two radio buttons: 'Existing user' (unselected) and 'New user' (selected). Below the radio buttons, there are fields for 'First name', 'Initials', and 'Last name'. The 'First name' field contains 'Ubiq', 'Initials' is empty, and 'Last name' contains 'SA'. There are also fields for '\*Display name' (containing 'Ubiq SA') and '\*Name' (containing 'Ubiq SA'). Below these are fields for 'Organizational unit' (containing 'goubiq.local/Users') and '\*User logon name' (containing 'ubiq\_SA'). There are also fields for '\*New password' and '\*Confirm password', both containing asterisks. A checkbox labeled 'Require password change on next logon' is checked. At the bottom, there is a 'Mailbox database' field with a 'browse...' button. At the very bottom, there are 'save' and 'cancel' buttons.



Click "save" and the service account will be saved.  
Now we need to add permissions to this service account to allow Application Impersonation. To do this, you need to click on the "permissions" tab in the Exchange admin center, and click on "+" sign to add a new role:

## Exchange admin center

dashboard  
recipients  
**permissions**  
compliance management  
organization  
protection  
mail flow

admin roles user roles Outlook Web App po

+ [edit] [delete] [copy] [search] [refresh]

New

View-Only Organization Management  
UM Management  
TenantAdmins\_38d3b  
Security Reader  
Security Administrator  
RIM-MailboxAdmins4a5c669784294971bb45ea85240691d9

This will open a new window where you can add a new group, you click on the "+" to add the "ApplicationImpersonation" role to this group.

new role group

\*Name:  
ApplicationImpersonation

Description:  
This role gives application impersonation

Write scope:  
Default

Roles:  
+

NAME

DISPLAY NAME

Address Lists  
ApplicationImpersonation  
ArchiveApplication  
Audit Logs  
Compliance Admin  
Data Loss Prevention  
Distribution Groups  
E-Mail Address Policies  
Federated Sharing  
Information Rights Management  
Journaling

ApplicationImpersonation  
This role enables applications to impersonate users in an organization in order to perform tasks on behalf of the user.

Default recipient scope  
Organization

Default configuration scope  
None

1 selected of 53 total

add -> ApplicationImpersonation(remove)

OK Cancel

Now we need to add the service account we created for Ubiq under "Members" to this group. Once you add the service account click "Save". This should have created a new group with the name you provided before:

admin roles user roles C



NAME

ApplicationImpersonation

Compliance Management

Discovery Management



Now the service account should have Impersonation permissions to read the room resource calendars.

Now click on "recipients" and export the resources into a CSV file by clicking on the "... " in the resources tab:

DISPLAY NAME	MAILBOX TYPE
Furnace	
Icebox	
Strongbad	Room
UbiqRoom	Room
Ubiq Room	Room

This should open a window giving you options to choose from, click export to save the file (default selection of DISPLAY NAME, MAILBOX TYPE, EMAIL ADDRESS):

export data

You can export information about recipients to a CSV file. Select the properties that you want to export from the list below, and then click Export.

Select the columns of data you'd like to export.

EXPORT	COLUMN NAME
<input checked="" type="checkbox"/>	DISPLAY NAME
<input checked="" type="checkbox"/>	MAILBOX TYPE
<input checked="" type="checkbox"/>	EMAIL ADDRESS
<input type="checkbox"/>	ALIAS
<input type="checkbox"/>	CITY
<input type="checkbox"/>	COMPANY
<input type="checkbox"/>	COUNTRY/REGION
<input type="checkbox"/>	DEPARTMENT
<input type="checkbox"/>	EMAIL ADDRESSES
<input type="checkbox"/>	VERSION
<input type="checkbox"/>	LOCATION
<input type="checkbox"/>	PHONE
<input type="checkbox"/>	POSTAL CODE
<input type="checkbox"/>	RECIPIENT TYPE
<input type="checkbox"/>	STATE/PROVINCE
<input type="checkbox"/>	LAST MODIFIED TIME

export Cancel

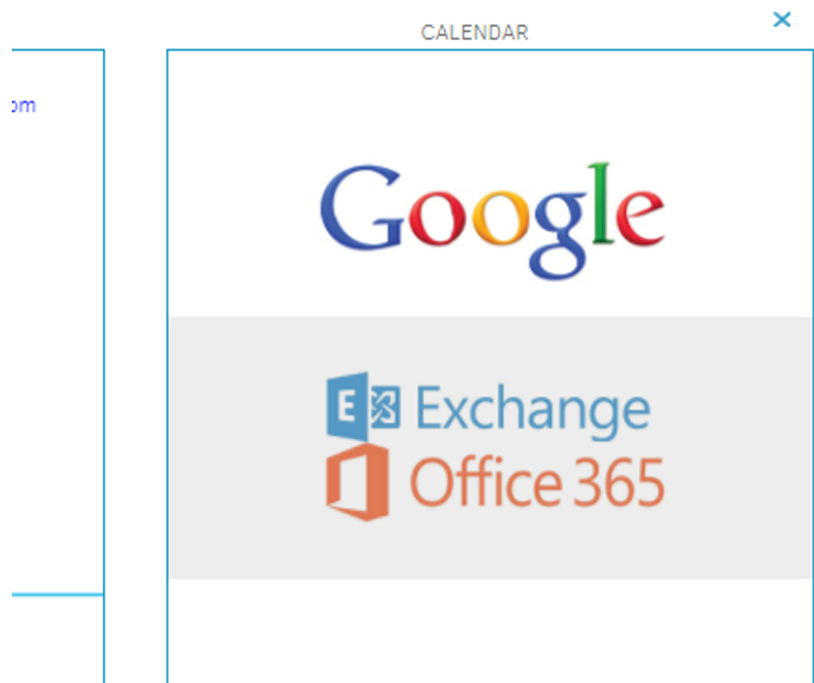




Now we have to switch over to Ubiq Dashboard (<https://dashboard.goubiq.com>)

Select an online Hive (in Blue), and click on "Add Calendar", click "Exchange":

**NOTE: The hive needs to be online in order to validate on-premise resources!**



This should open a window to configure the calendar for Exchange.

Authentication Options:

1. NTLM (Recommended)
2. BASIC (if the Exchange server is hosted on cloud)

Exchange Web Services (EWS) URL:

A valid EWS Endpoint is required for validation, ex:  
<https://mail.domain.com/ews/exchange.asmx>



### 1. NTLM:

Enter the credentials in the following format (similar to logging in with your AD credentials) along with the Exchange Web Services (EWS) URL

The screenshot shows a dialog box titled "Exchange Calendar Integration" with a close button (X) in the top right corner. The dialog contains the following fields:

- AUTHENTICATION TYPE:** A dropdown menu with "NTLM" selected.
- USERNAME:** A text input field containing "goubiq\ubiq\_SA".
- PASSWORD:** A text input field with masked characters "....." and a visibility toggle icon (an eye).
- EWS URL:** A text input field containing "https://goubiq.local/ews/Exchange.asmx".

At the bottom left of the dialog is a "Choose File" button. The background shows a blurred calendar interface with a date "Wednesday, February 1" and a large blue arrow graphic.

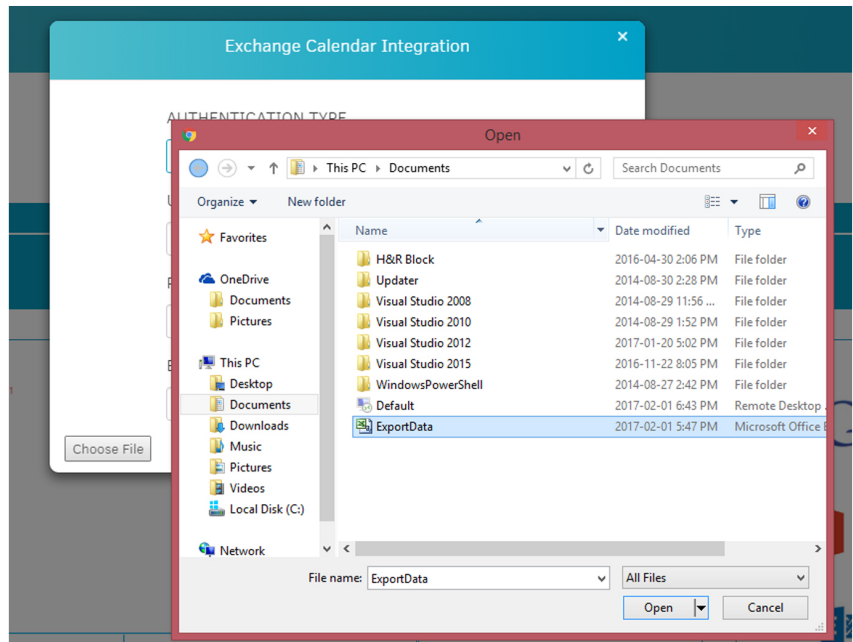
### BASIC

The screenshot shows the same "Exchange Calendar Integration" dialog box, but with "BASIC" selected in the authentication type dropdown. The fields are:

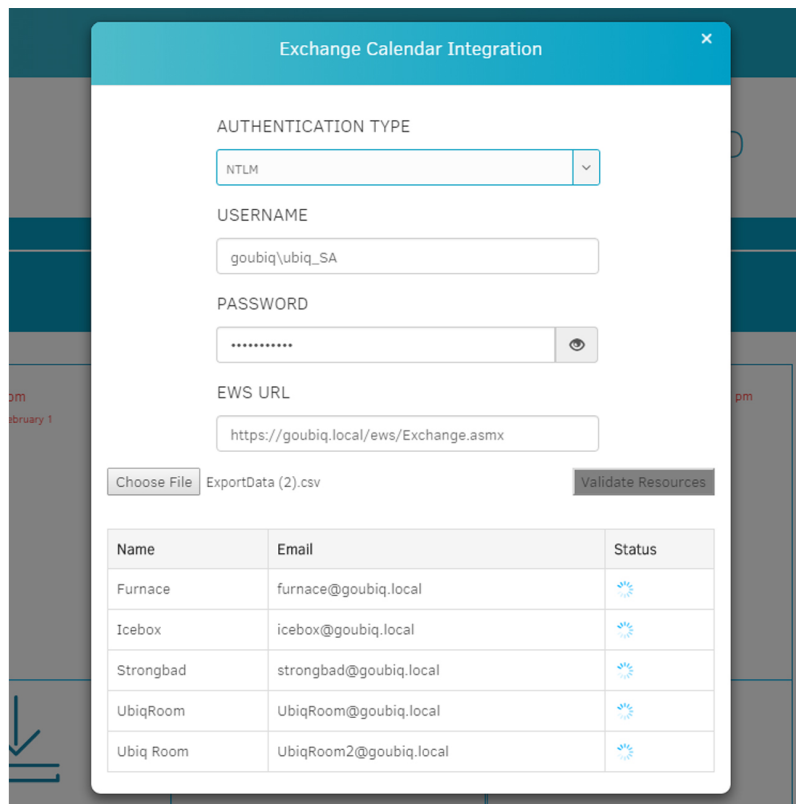
- AUTHENTICATION TYPE:** A dropdown menu with "BASIC" selected.
- USERNAME:** A text input field containing "ubiq\_SA@goubiq.local".
- PASSWORD:** A text input field with masked characters "....." and a visibility toggle icon (an eye).
- EWS URL:** A text input field containing "https://goubiq.local/ews/Exchange.asmx".

The "Choose File" button is also present at the bottom left. The background is the same blurred calendar interface.

Once the credentials are entered based on Authentication, upload the exported CSV file of the resources::



Click on "Validate Resources":





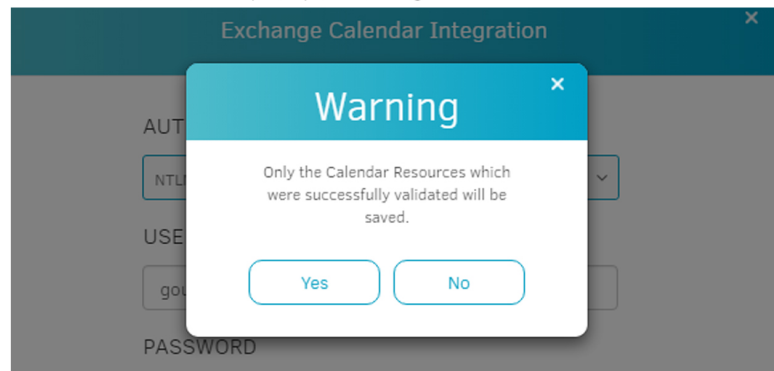
NOTE: Depending on the number of resources, the validation may take a few minutes

After the validation process, for any resources which shows the green check mark, the service account was able to validate the permissions:

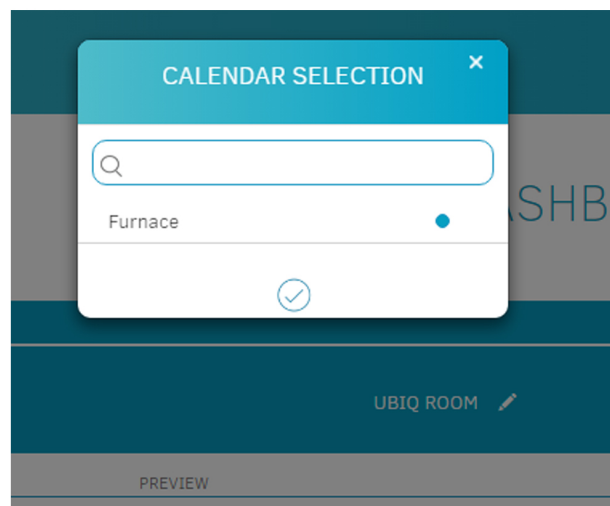
Name	Email	Status
Furnace	furnace@goubiq.local	✓
Icebox	icebox@goubiq.local	!
Strongbad	strongbad@goubiq.local	!
UbiqRoom	UbiqRoom@goubiq.local	!
Ubiq Room	UbiqRoom2@goubiq.local	!

DONE

Click "DONE", which will prompt a warning:

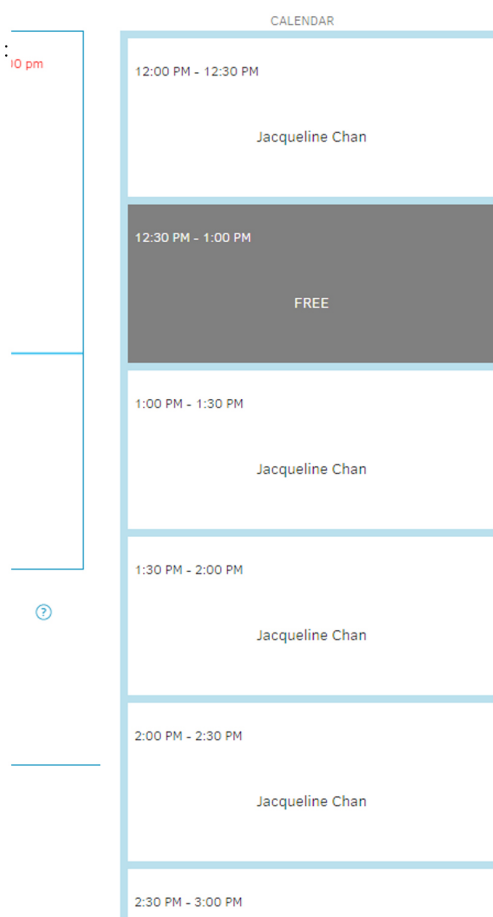


This will save the room resources which allows you to select the corresponding calendar of the meeting room, select it and press the check mark.





This should sync up the meeting room calendar to display on the screen:

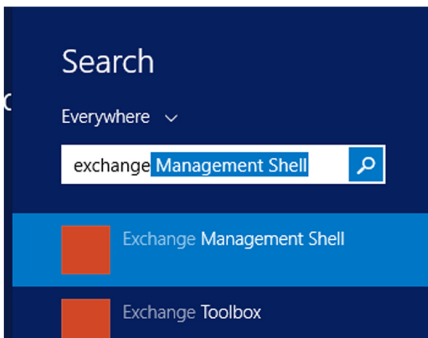


+++++END OF BASIC SETUP+++++

### ADVANCED SETUP

By default events scheduled by the meeting room resources in Exchange (2010+) will show the organizer's name instead of the event title that was setup during scheduling. In order to retrieve the actual title description, we need to modify some settings and configure via Exchange Management Shell.

Open Exchange Management Shell by searching on your Exchange Server:





Enter the following code and run:

**Get-Mailbox -RecipientTypeDetails RoomMailbox |  
Set-CalendarProcessing -AddOrganizerToSubject \$false  
-DeleteSubject \$false -DeleteComments \$false  
-RemovePrivateProperty \$false**

```
PS C:\Windows\system32> Get-Mailbox -RecipientTypeDetails RoomMailbox | Set-CalendarPr  
ocessing -AddOrganizerToSubject $false -DeleteSubject $false -DeleteComments $false -R  
emovePrivateProperty $false
```

This should allow Ubiq Calendar integration to retrieve calendar events with the title and the description for each event. Private events will be tagged as private.

