



EMS Integration

System Requirements and Configuration

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Introduction

This document is intended to provide information necessary to integrate the ResourceXpress server to the EMS Booking System. Installation and set-up of EMS is not covered within the scope of this document.

EMS Requirements and Pre-requisites

ResourceXpress Configuration File

For new installations of ResourceXpress version 4.8c or above, this pre-requisite should already be in place and hence can be ignored.

For pre-existing installations, it is important to check the following is in place before continuing with EMS integration:

- 1) Navigate to the ResourceXpress install directory on the application server. By default the installation path is *C:\inetpub\wwwroot\meetingmonitor*
- 2) Within this folder, locate and open the *webRX.config* file in a text editor
- 3) If the following lines of text are not present, copy and paste them into the file:

```
<!-- EMS -->
  <add key="SetupTypeId" value="1" />
  <add key="EventTypeId" value="1" />
  <add key="GroupId" value="1" />
  <add key="StatusId" value="1" />
  <add key="AuthFieldForRFID" value="badgeNumber"/>
  <add key="AuthFieldForAccessCode" value="personnelNumber"/>
```

- 4) Save these changes. Administrator privileges may be required.

EMS Platform Services

It is important that EMS Platform Services be configured and running API version 44.1.19000.180 or above. This can be verified by navigating to the following URL:
http://<server FQDN or IP address>/EmsPlatform/status

A page displaying data similar to that shown below should appear.

EMS Platform Services Status

Connection Status Connected
API Version 44.1.19000.180
Server Version 44.1.0.0

Authentication

In order to be able to create authenticated bookings, ResourceXpress requires users within EMS to have their own unique sign-in details. The fields used for this are Personnel Number and Badge Number, which are configurable within the EMS Desktop Application.

For systems wishing to use authentication, each individual user will need to be created as their own group. It is then possible to edit the required fields by selecting *Groups* from the top menu, then selecting a user/group and clicking *Open*. Under the *Other* tab, the two authentication attributes can then be populated with RFID codes and PIN numbers where necessary.

Summary	Billing Information	Other	Audit
Network ID:			
Personnel Number:		0000	
Badge Number:		7D8LA5GD	
Other ID:			

NOTE: It is possible to use either the Network ID or Other ID fields for authentication, should the suggested fields be unavailable. To do this, navigate to C:\inetpub\wwwroot\meetingmonitor on the ResourceXpress server and open the webRX.config file in Notepad. Then change the following two lines to display as below and save:

```
<add key="AuthFieldForRFID" value="NetworkID"/>
<add key="AuthFieldForAccessCode" value="OtherID"/>
```

EMS Configuration

Server Host Name

ResourceXpress requires a server host name URL to be entered into the System Settings. This will appear in the following format:

`http://<emsplatformserverFQDN>/EmsPlatform/api/v1/`

The field this must be entered in can be found in the ResourceXpress admin portal in the System Settings page, under the Resource Server tab.

System Settings

Resource Server	Display	Interactive	Messaging	Licence	Screen User Authentication	Workspa
Server Type	EMS (Non Local TimeZone Support)					
Server Host Name	<input type="text" value="http://<emsplatformserverFQDN>/EmsPlatform/api/v1/"/>					
	<input type="button" value="Ping Server"/> <input type="button" value="Update Profiles"/>					
Server Port	<input type="text" value="80"/>					
Global Resource Authentication						
Resource Login User id	<input type="text" value=""/>					
Resource Login Password	<input type="password" value=""/>					
Resource Login Domain	<input type="text" value="qedas.com"/>					

NOTE: The Resource Login Domain should be populated as the domain of the user company.

Global Resource Authentication

Resource Login User id

A secret is generated after creating the Client, which appears as a long alphanumeric value such as shown below.

Attention!

Please copy the Client Secret below. You will not be able to retrieve it later.

As with the Client ID, this will also need to be copied into the ResourceXpress system settings tab under the Resource Login Password field.

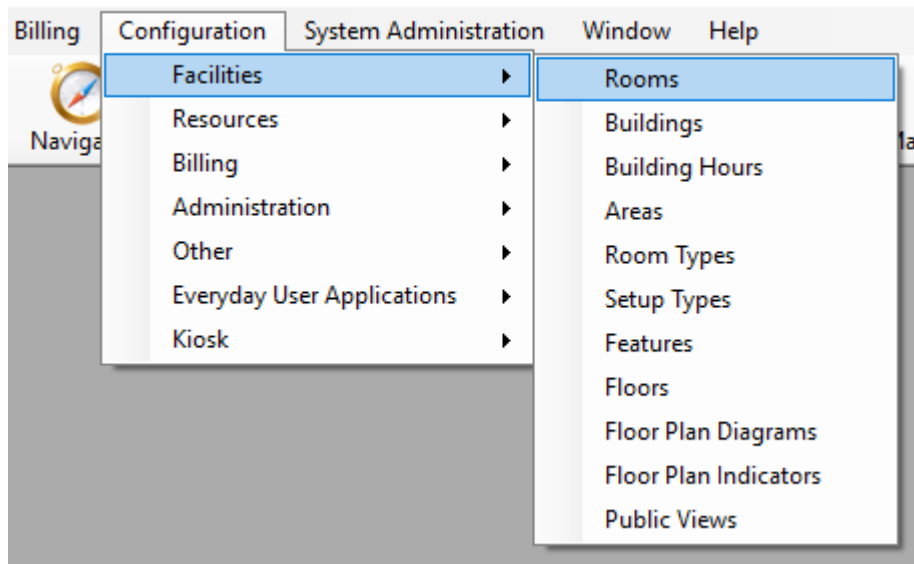
Resource Login Password

.....

Resource Name and ID

Each room created in EMS is automatically assigned its own unique ID number. This serves as the Resource Name for each display profile in ResourceXpress. It can be found by doing the following:

- 1) Open the EMS Desktop application
- 2) From the top menu, select *Configuration -> Facilities -> Rooms*



- 3) Choose a Building search filter e.g. to show all rooms, change the filter for *Building* to (*all*)
- 4) Double-click a room from the list that appears
- 5) In the pop-up that appears, navigate to the *Audit* tab

EXCHMEET - Exchange Room

Calculations Pricing Setup Types Features Excluded Resources Attachments Images Drawings User Defined Fields Everyday User Process Templates Audit

Date Added: 12/09/2017 13:24
Added By: Admin

Date Changed: 12/09/2017 13:24
Changed By: Admin
ID: 3

- 6) The ID value shown here is the number you will need to enter into ResourceXpress in order to connect this room

Each room ID from EMS can then be entered into the relevant display profile in ResourceXpress. When creating a profile, this is the Resource Name field as shown in the screenshot below.

Resource Display Profile - Meeting Room EMS (UK)

Save Cancel Disable Notification

Connection Properties

Resource server hostname: http://.../EmsPlatform/api/v1/

Resource server port: 80

Resource name: 3

Resource name - Display: Meeting Room EMS (UK)

Resource authentication: ☒ Use System Settings ☐ Use Local Settings

Resource email:

Resource login user id:

Resource login password:

Resource login domain: qedas.com

Resource type: ☒ Room Screen ☐ Workspace

Prefix: Desk

Local mode: ☐ Yes ☒ No