



EMS Floor Plans Installation & Configuration Guides

V44.1

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CHAPTER 1: EMS Floor Plans

EMS Floor Plans allows users to search for, view and reserve available space from an interactive floor plan within EMS Web App and EMS Kiosk. To configure and use this component, licensing is required for EMS Desktop Client, EMS Web App and/or EMS Kiosk, and EMS Floor Plans. If you are unsure whether your organization has these licenses, or if you would like to learn more about it, please contact your Account Executive.

This EMS Floor Plans Guide provides information on the following topics:

Installing EMS Floor Plans

- » [Introduction](#)
 - » [Requirements](#)
- » [Obtain Floor Plans Installation Files](#)
- » [Install Floor Plans Components](#)
 - » [Install or Upgrade the Floor Plans Web Service](#)
 - » [Install or Upgrade the Floor Plans Configuration Tool](#)
- » [Upload, Configure, and View Floor Plans](#)

Configuring EMS Floor Plans

- » [Introduction](#)
- » [Hardware and Software Requirements](#)
- » [Install or Upgrade the Floor Plans Web Service](#)
- » [Install or Upgrade the Floor Plans Configuration Utility](#)
- » [Floor Plans Configuration Steps](#)

CHAPTER 2: EMS Floor Plans Installation Guide

EMS Floor Plans allows users to search for, view and reserve available space from an interactive floor plan within EMS Web App and EMS Kiosk. To install and use this component, licensing is required for EMS Desktop Client, EMS Web App and/or EMS Kiosk, and EMS Floor Plans. If you are unsure whether your organization has these licenses, or if you would like to learn more about it, please contact your Account Executive.

This EMS Floor Plans Install Guide provides information on the following topics:

- » [Introduction](#)
 - » [Requirements](#)
- » [Obtain Floor Plans Installation Files](#)
- » [Install Floor Plans Components](#)
 - » [Install or Upgrade the Floor Plans Web Service](#)
 - » [Install or Upgrade the Floor Plans Configuration Tool](#)
- » [Upload, Configure, and View Floor Plans](#)

CHAPTER 3: Introduction

EMS Floor Plans allows users to search for, view and reserve available space from an interactive floor plan within EMS Web App and EMS Kiosk. To install and use this component, licensing is required for EMS Desktop Client, EMS Web App and/or EMS Kiosk, and EMS Floor Plans. If you are unsure whether your organization has these licenses, or if you would like to learn more about it, please contact your Account Executive.

HOW DO I IMPLEMENT IT?

The following steps are required to install, configure, and enable EMS Floor Plans:

1. Install and configure the EMS Floor Plans server components: EMS Floor Plans Web Service and EMS Floor Plans Configuration Utility.
2. Within EMS, upload your floor plan indicators and floor plans.
3. Using the Floor Plans Configuration Utility, map indicators to room locations on your floor plans.
4. Enable floor plan images to be displayed on EMS Web App and/or EMS Kiosk.

CONTACT CUSTOMER SUPPORT

- » Option 1 (Recommended): Search the [Knowledge Base](#) available in the [EMS Support Portal](#).
- » Option 2: Submit a [Case](#) directly via the [EMS Support Portal](#).
- » Option 3: Email support@emssoftware.com.
- » Option 4 (Recommended for critical issues only): Phone (800) 288-4565

IMPORTANT: If you do not have a customer login, register [here](#).

CHAPTER 4: Requirements

SERVICE	.NET	DISK SPACE
Floor Plans Web Service	4.6.1	2 mb

CHAPTER 5: Obtain Floor Plans Installation Files

The latest Floor Plan Module components can be downloaded from the [EMS Customer Portal](#). Log in and download the following files (required for both first-time installations and upgrades).

» **Floor Plan Web Service (EMSRoomDiagrammingService.msi)**

Installation file for the Floor Plan Web Service - a mechanism used by Adobe Flash Player within the Floor Plan Configuration Utility/ EMS Web App/EMS Kiosk and the web server to render floor map images.

» **Floor Plan Configuration Utility (EMSFloorPlanConfiguration.msi)**

Installation file for the EMS Floor Plan Configuration Utility - a web application used to map indicators to room locations on your floor plans.

CHAPTER 6: Install Floor Plans Components

Begin the process by installing and configuring the Floor Plan server components:

- » [Install or Upgrade the Floor Plans Web Service](#)
- » [Install or Upgrade the Floor Plans Configuration Tool](#)

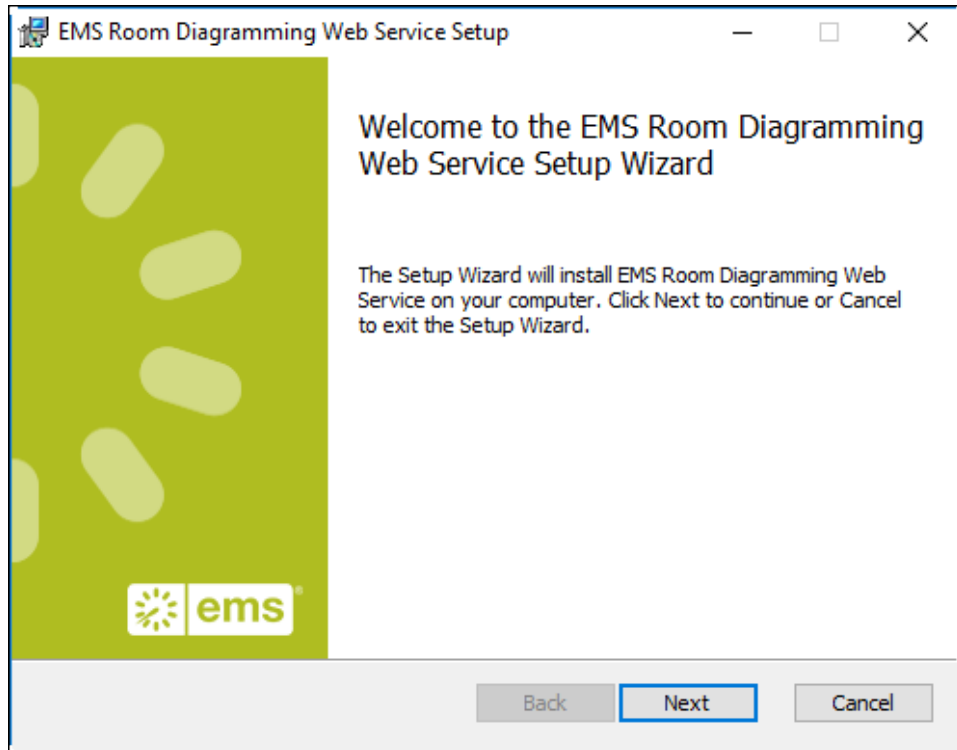
CHAPTER 7: Install or Upgrade the Floor Plans Web Service

IMPORTANT: Before beginning the installation process, please do the following:

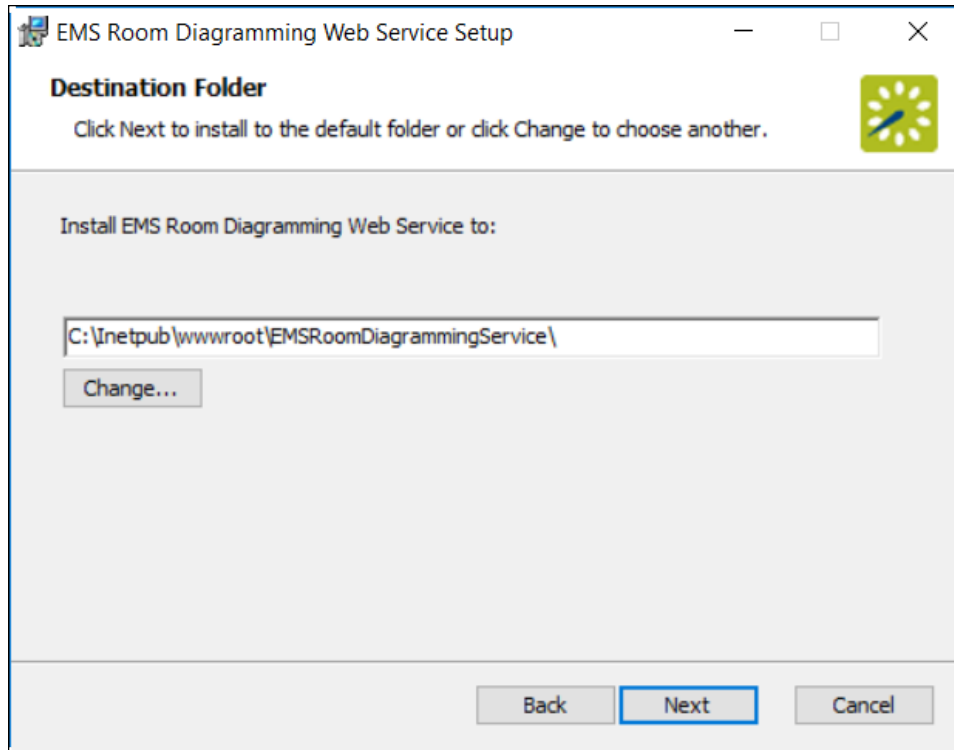
- » Install or upgrade your EMS databases as outlined in the EMS Desktop Client Installation Instructions.
- » Manually uninstall any previous versions of the Floor Plan Web Service on your web server.

1. Verify that the prerequisite software is installed.
2. Download **EMSRoomDiagrammingService.msi** and **EMSFloorPlanConfiguration.msi** onto the web server (typically the web server that hosts your Virtual EMS/EMS Kiosk web site(s).)
3. Run **EMSRoomDiagrammingService.msi**.
4. The first screen welcomes you to the EMS Room Diagramming Web Service

Setup Wizard. Click **Next** to begin the installation process.

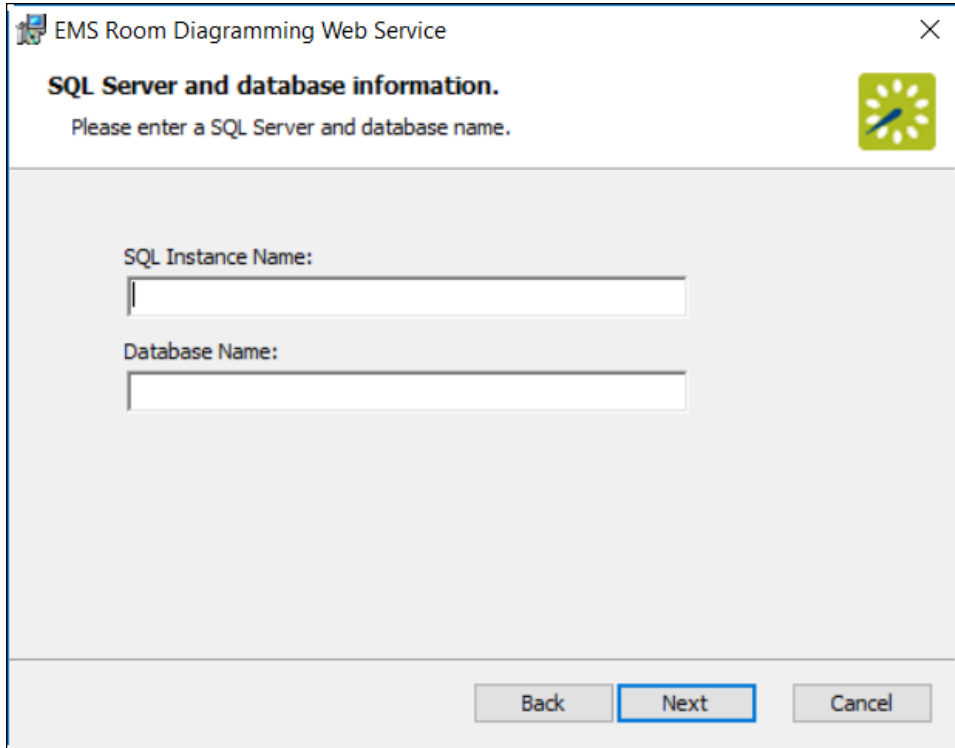


5. The Destination Folder screen will appear.



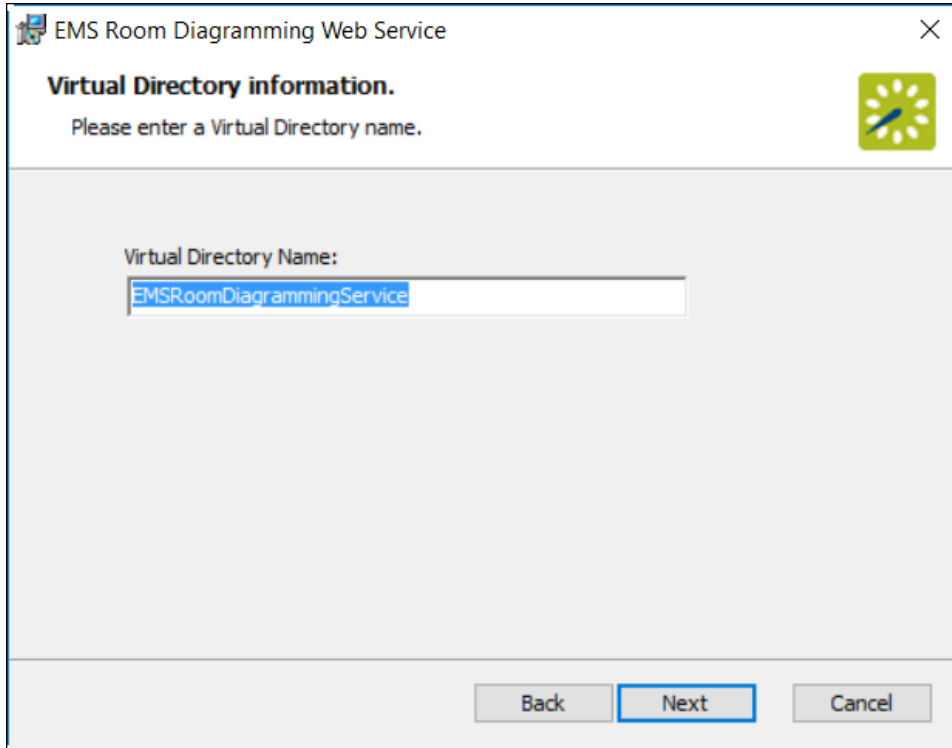
6. Select the Destination Folder. Click **Next**.

7. The SQL Server and database information screen will appear.



8. Enter your EMS SQL Server Name and EMS Database Name (typically “EMS”).

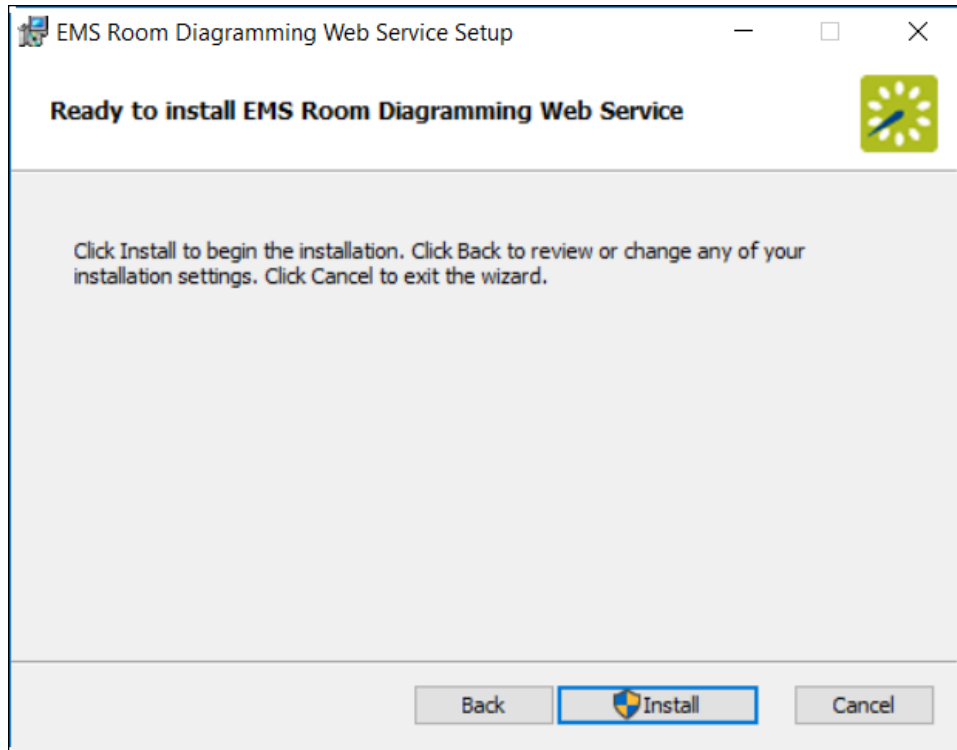
9. Click **Next**. The Virtual Directory information screen will appear.



The screenshot shows a Windows-style dialog box titled "EMS Room Diagramming Web Service". Inside the dialog, the text "Virtual Directory information." is displayed in bold, followed by the instruction "Please enter a Virtual Directory name." in a smaller font. Below this, there is a text input field labeled "Virtual Directory Name:". The field contains the text "EMSRoomDiagrammingService" and has a blue selection highlight. At the bottom of the dialog, there are three buttons: "Back", "Next", and "Cancel". The "Next" button is highlighted with a blue border.

Note: The EMS Room Diagramming Web Service should not be installed in the same Virtual Directory as other EMS web-based products.

10. Click **Next**. The Ready to install ... screen will appear.



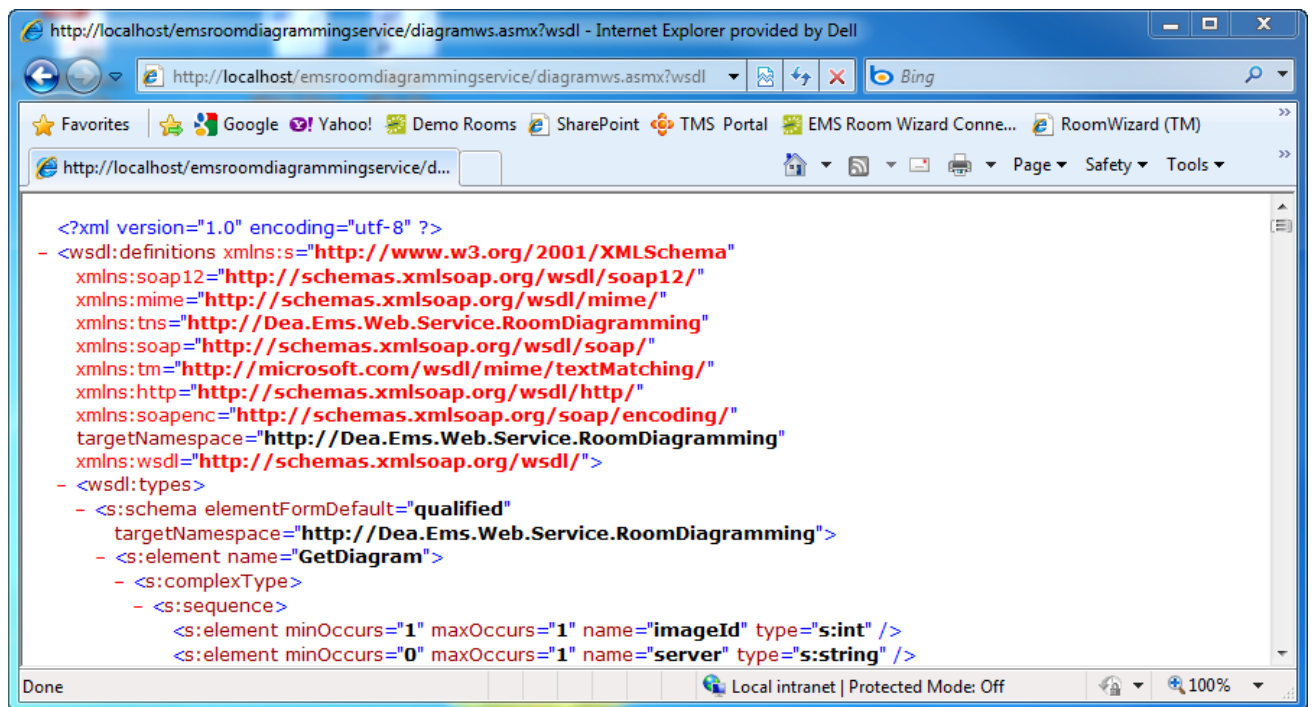
11. Click **Install** to begin the installation. Once complete, the Installation Complete screen will appear.

12. Click **Close**.

13. After following the steps above, verify your installation by opening a browser and entering the following URL:

http://[Server-
Name]/EMSRoomDiagrammingService/DiagramWS.asmx?WSDL
(replace [ServerName] with the name of your web server)

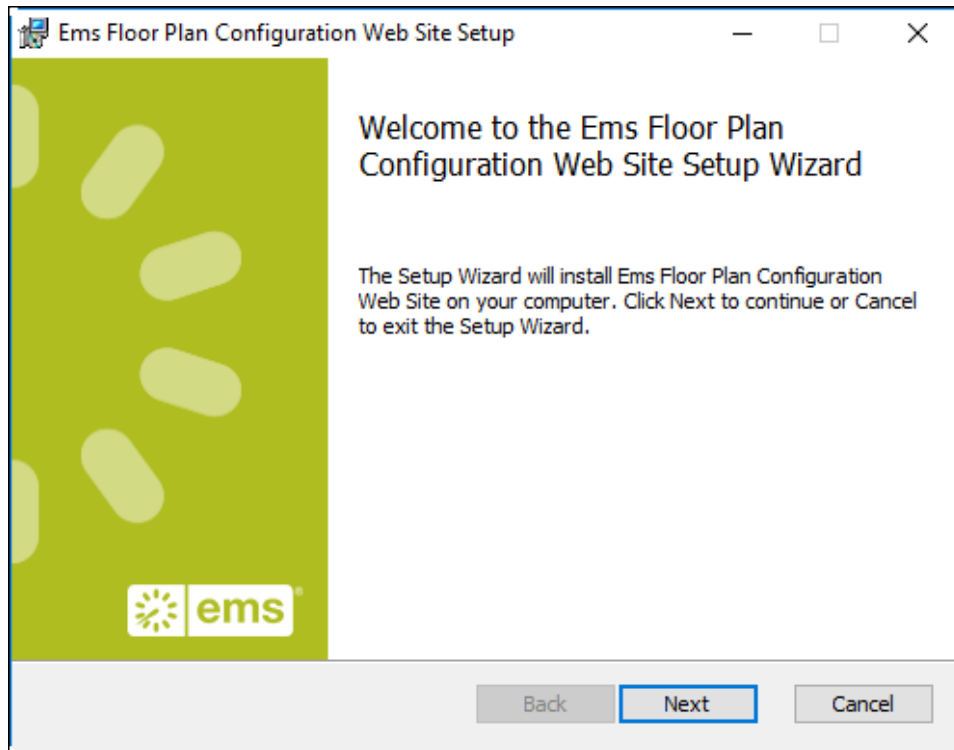
Your browser should return XML.



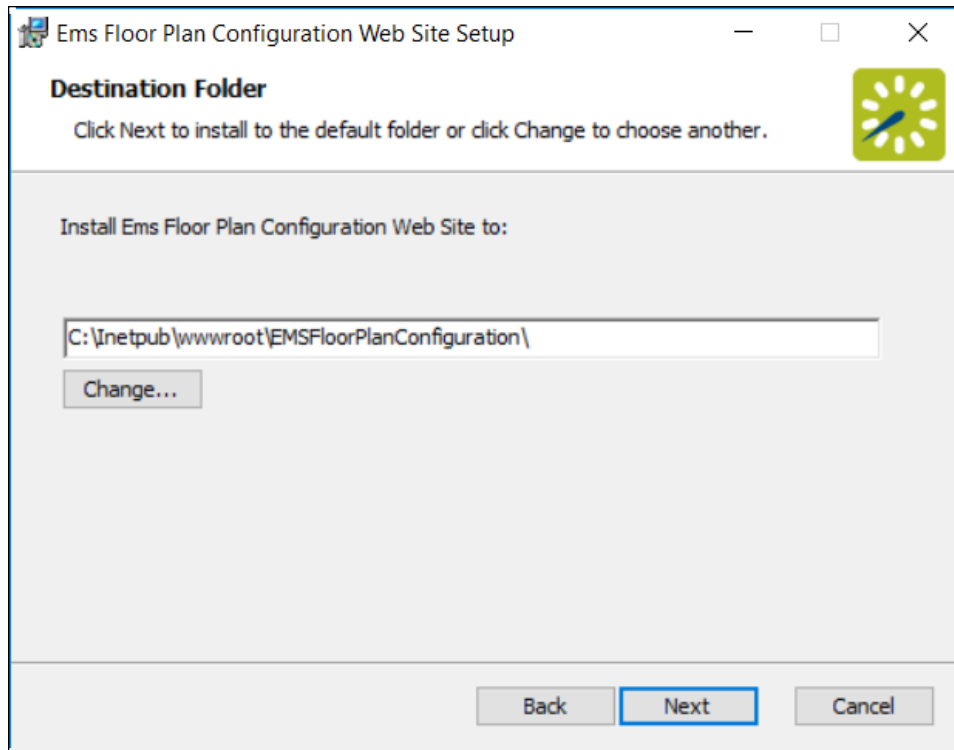
CHAPTER 8: Install or Upgrade the Floor Plans Configuration Tool

IMPORTANT: Before beginning the installation process, please manually uninstall any previous versions of the Floor Plan Configuration Tool on your web server.

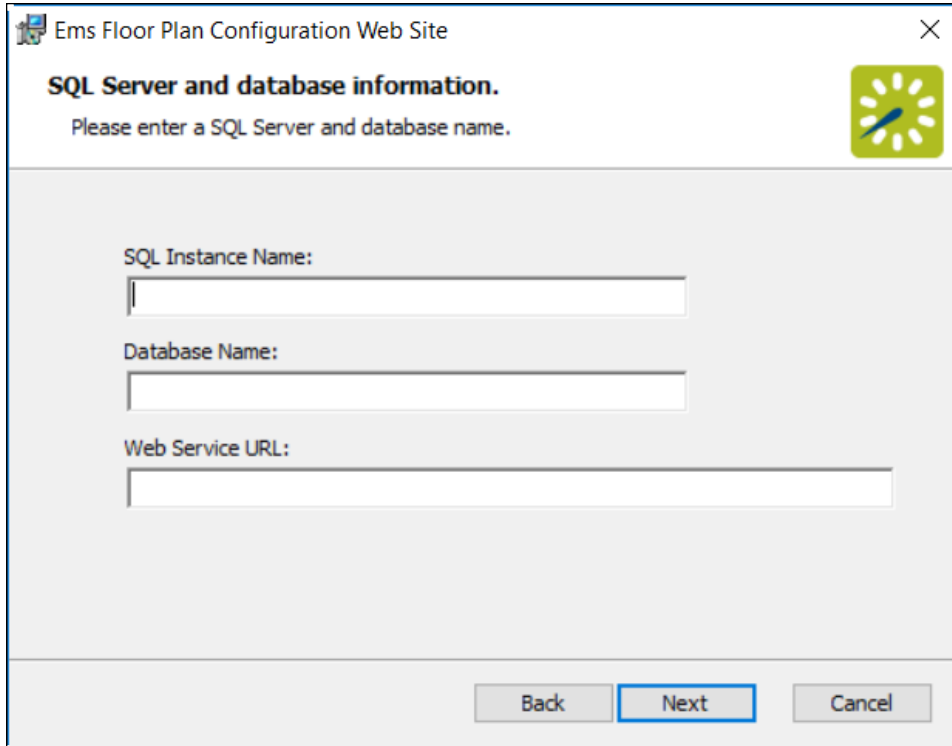
1. Run **EMSFloorPlanConfiguration.msi**. The first screen welcomes you to the EMS Floor Plan Configuration Web Site Setup Wizard.



2. Click **Next** to begin the installation process. The Destination Folder screen will appear.

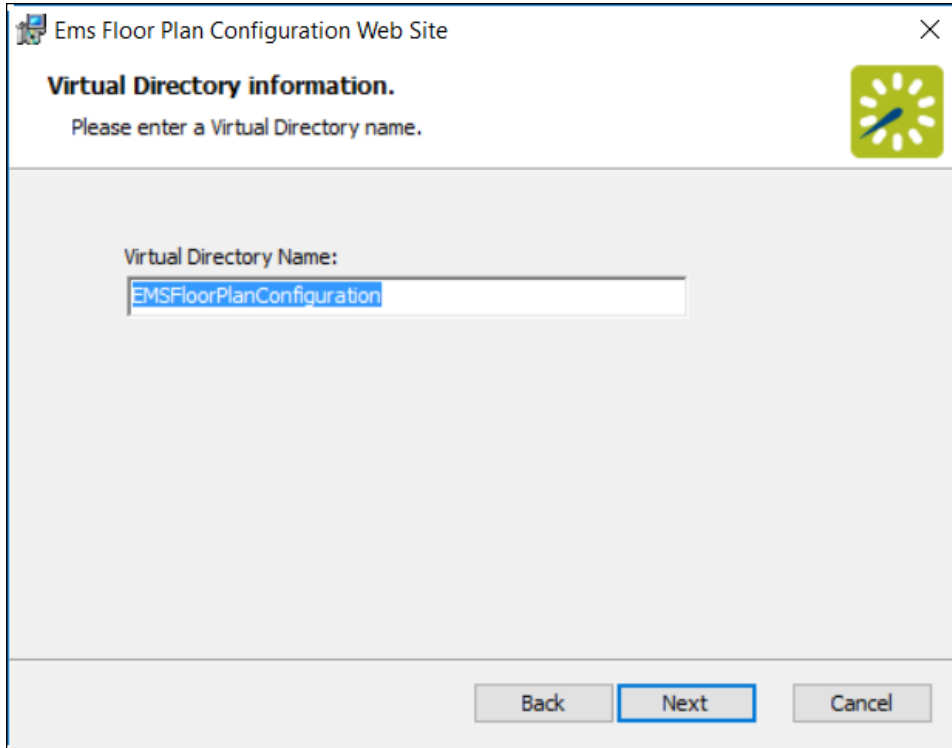


3. Click **Next**. The SQL Server and database information screen will appear.



4. Enter your SQL Instance Name, Database Name (typically "EMS") and Web Service URL (as configured in [Install or Upgrade the Floor Plans Web Service](#)).

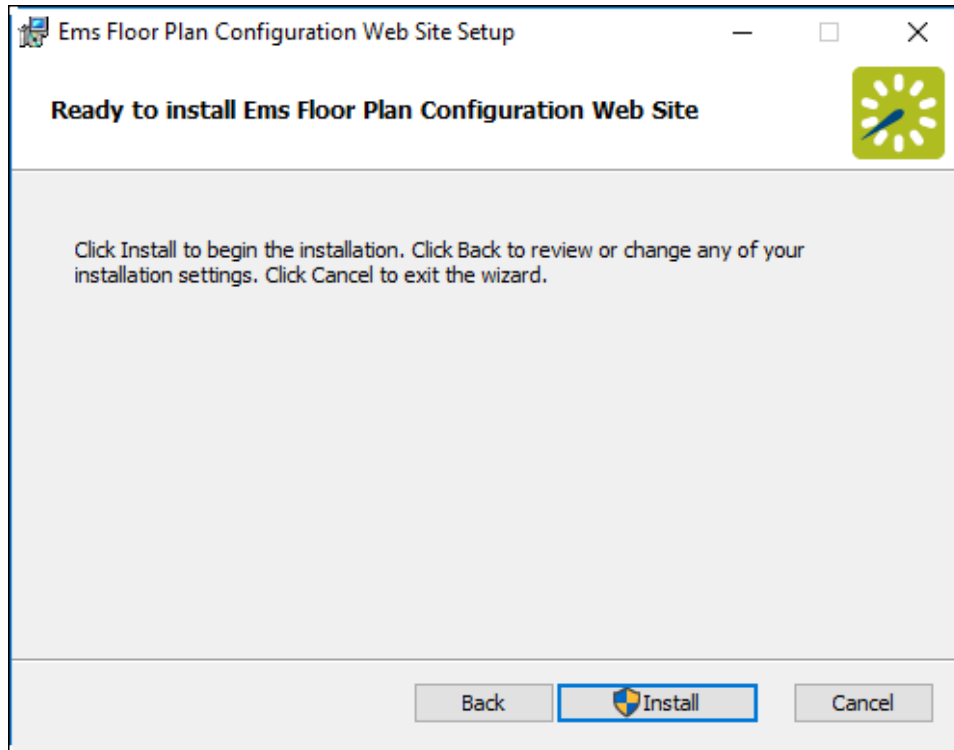
5. Click **Next**. The Virtual Directory screen will appear.



6. Enter a Virtual Directory Name.

Note: The EMS Floor Plan Configuration site should not be installed in the same Virtual Directory as other EMS web-based products. The installation process will create a Virtual directory on your web server named “EMSFloorPlanConfiguration” (or the name you entered in the Virtual Directory field.)

7. Click **Next**. The Ready to Install... screen will appear.



8. Click **Install**. Once complete, the Installation Complete screen will appear.

9. Click **Close**.

10. After following the steps above, verify your installation by opening a browser and entering the following URL:

http://[ServerName]/emsfloorplanconfiguration (replace [Server-Name] with the name of your web server).

CHAPTER 9: Upload, Configure, and View Floor Plans

This topic provides information on the following:

- » [Best Practices](#)
- » [Upload and Map Floor Plan Indicators and Diagrams to Rooms in EMS Desktop Client](#)
- » [Configure Floor Plan Indicators](#)
- » [Configure a Floor Plan Diagram](#)
- » [Map a Floor Plan](#)
- » [Enable Floor Plans to Show in Your EMS Apps](#)
 - » [Enable Floor Plans to Show in EMS Web App](#)
 - » [Enable Floor Plans to Show in EMS Kiosk](#)

BEST PRACTICES

Display settings and other environmental factors greatly affect the performance of EMS Floorplan. For an optimal floorplan experience, please adhere to the following best practices:

Recommended Display Settings

DISPLAY COMPONENT	RECOMMENDED SETTING
Monitor Resolution	1920 x 1080
Monitor Size	13" or 23"
Monitor Screen Ratio	16 : 9
Indicator Size	Medium (24 x 24 pixels)
Browser Zoom	100%

Floorplan Image Max/Min Resolution and Aspect Ratio Recommendations

MONITOR DIMENSION	RESOLUTION	MAXIMIZED BROWSER SIZE	BROWSER SIZE: 75%	BROWSER SIZE: 50%
13" Laptop Monitor	934 x 491	Ideal Indicator Display: » Edge » Chrome » IE	Ideal Indicator Display: » Edge » Chrome » IE	Potential over-lapping Indicators: » Edge » Chrome » IE
13" Laptop Monitor	1030 x 469	Ideal Indicator Display: » Edge » Chrome » IE	Ideal Indicator Display: » Edge » Chrome	Potential over-lapping Indicators: » Edge » Chrome

MONITOR DIMENSION	RESOLUTION	MAXIMIZED BROWSER SIZE	BROWSER SIZE: 75%	BROWSER SIZE: 50%
			» IE	» IE
13" Laptop Monitor	871 x 495	Ideal Indicator Display: » Edge » Chrome » IE	Ideal Indicator Display: » Edge » Chrome » IE	Potential over-lapping Indicators: » Edge » Chrome » IE
13" Laptop Monitor	1244 x 298	Ideal Indicator Display: » Edge » Chrome » IE	Ideal Indicator Display: » Edge » Chrome » IE	Potential over-lapping Indicators: » Edge » Chrome » IE
23" HP HD Monitor	934 x 491	Ideal Indicator Display: » Edge » Chrome » IE	Ideal Indicator Display: » Edge » Chrome » IE	Potential over-lapping Indicators: » Edge » Chrome » IE
23" HP HD Monitor	1030 x 469	Ideal Indicator Display: » Edge » Chrome	Ideal Indicator Display: » Edge	Potential over-lapping Indicators: » Edge

MONITOR DIMENSION	RESOLUTION	MAXIMIZED BROWSER SIZE	BROWSER SIZE: 75%	BROWSER SIZE: 50%
		» IE	» Chrome » IE	» Chrome » IE
23" HP HD Monitor	871 x 495	Ideal Indicator Display: » Edge » Chrome » IE	Ideal Indicator Display: » Edge » Chrome » IE	Potential over-lapping Indicators: » Edge » Chrome » IE
23" HP HD Monitor	1244 x 298	Ideal Indicator Display: » Edge » Chrome » IE	Potential overlapping Indicators: » Edge » Chrome » IE	Potential over-lapping Indicators: » Edge » Chrome » IE
23" HP HD Monitor	934 x 408	Ideal Indicator Display: » Edge » Chrome » IE	Ideal Indicator Display: » Edge » Chrome » IE	Potential over-lapping Indicators: » Edge » Chrome » IE
23" HP HD Monitor	745 x 439	Ideal Indicator Display: » Edge	Ideal Indicator Display: » Edge	Ideal Indicator Display: » Edge

MONITOR DIMENSION	RESOLUTION	MAXIMIZED BROWSER SIZE	BROWSER SIZE: 75%	BROWSER SIZE: 50%
		» Chrome	» Edge	» Edge
		» IE	» Chrome	» Chrome
			» IE	» IE
23" HP HD Monitor	745 x 178	Ideal Indicator Display:	Ideal	Ideal
		» Edge	Indicator Display:	Indicator Display:
		» Chrome	» Edge	» Edge
		» IE	» Chrome	» Chrome
			» IE	» IE

UPLOAD AND MAP FLOOR PLAN INDICATORS AND DIAGRAMS TO ROOMS IN EMS DESKTOP CLIENT

Using the Floor Plan Configuration Utility, map indicators to room locations on your floor plans.

This optional feature, enabled with an EMS Floor Plans license, allows users to view available rooms and book a space directly from a floor plan image in EMS Web App or EMS Kiosk.

Concept: Configuring floor plans in the Floor Plan module is a three step process:

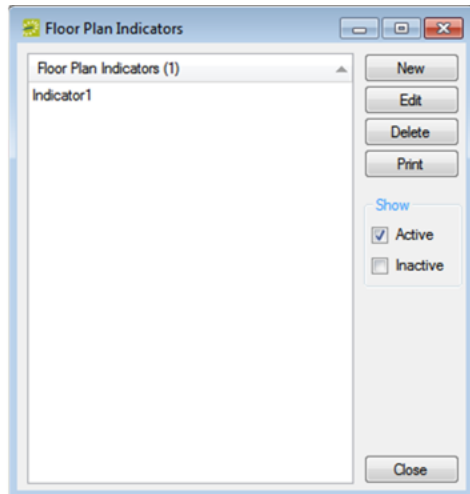
1. *Configure the floor plan indicators* (the images used indicate whether a room is available or unavailable for a floor plan). For example, you might use something as simple as a green square to indicate that a room on a floor is available and a red square to indicate that a room on a floor is unavailable.
2. *Configure a floor plan diagram* for each floor of each building for which a floor plan applies. A floor plan diagram is a drawing, or outline, usually to scale, that shows the relationships between rooms, spaces, and other physical features for one floor of a building.
3. Map your floor plan indicators to rooms on your diagrams using the Floor Plan Configuration utility.

The availability of each reservable space ultimately determines the indicator (available or unavailable) that shows on a floor plan in EMS Web App or EMS Kiosk.

CONFIGURE FLOOR PLAN INDICATORS

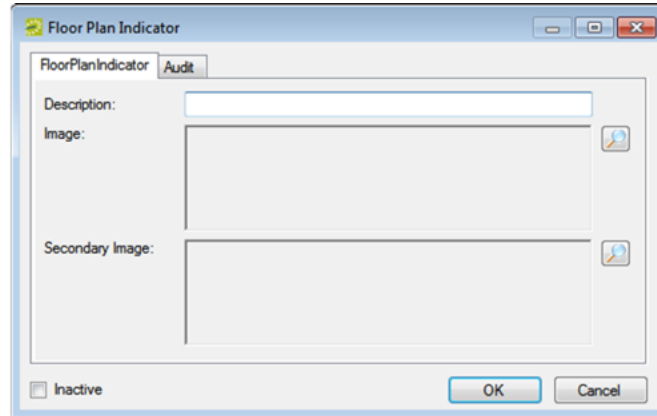
1. On the EMS menu bar, click **Configuration > Facilities > Floor Plan Indicators**. The Floor Plan Indicators window opens, listing active indicator sets

currently configured in your EMS database.



TIP: To see all indicator sets regardless of status, under Show, click **INACTIVE**.

2. Click **New**. The Floor Plan Indicator dialog box opens.



3. In the Description field, enter a name or description for the new floor plan indicators (max 50 characters including spaces. You can name indicators something as simply as Indicator Set 1, or if you are using different indicators for different floor plans in different buildings, you could identify them by building, for example, Memorial Student Union indicators, Fifth Floor Conference Room indicators, and so on.
4. Next to the Image field, click **Search** to browse to and select an image to use for the *available* indicator.
5. Next to the Secondary Image field, click *Search* to browse to and select an image to use for the *unavailable* indicator.

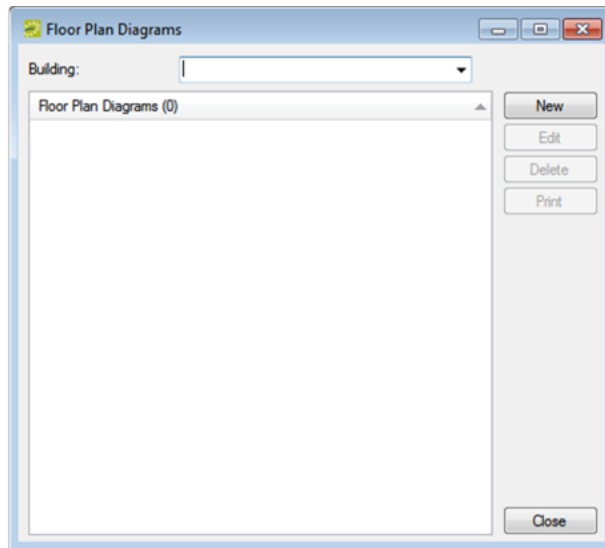
NOTE: The image must be in .gif, .jpeg, .jpg, .bmp, .wmf, or .png format.

6. Click **OK**. Your new floor plan indicators are added as active. Optionally, select **Inactive** to deactivate the set.

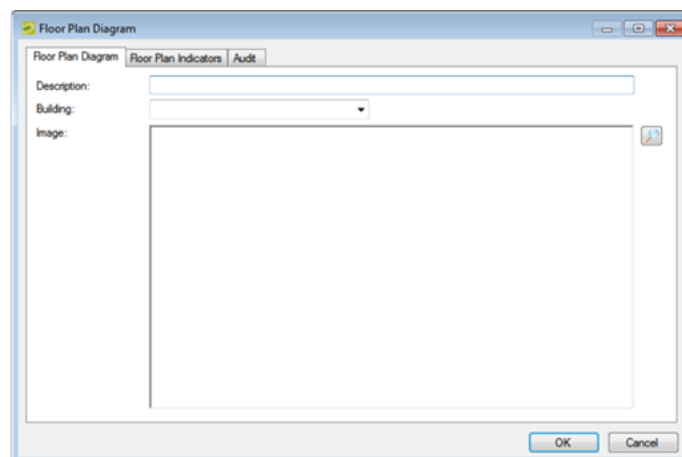
CONFIGURE A FLOOR PLAN DIAGRAM

You must configure one floor plan diagram for each floor that will be available for booking in EMS Web App and the EMS Kiosk.

1. On the EMS menu bar, click **Configuration > Facilities > Floor Plan Diagrams**. A blank Floor Plan Diagrams window opens.



2. Optionally, in the Building dropdown list, select (all), or select a specific building to see a list of floor plans for all buildings or for the selected building in the window.
3. Click **New**. The Floor Plan Diagram dialog box opens on **Floor Plan Diagram** tab.



4. In the Description field, enter a name or description for the new floor plan diagram (maximum of 50 characters, including spaces).
5. On the Building dropdown list, select the building for which you are configuring the floor plan diagram.
6. Next to the Image field, **Search** to browse and select the image to use for the floor plan diagram.

NOTE: Image files must be gif, .jpeg, .jpg, .bmp, .wmf, or .png. Optimal image size is 1024 x 768

7. Open the **Floor Plan Indicators** tab, and on the Available list, select the floor plan indicator (CTRL-click to select multiple floor plan indicators) you wish to use for this diagram, and then Move (>) to the Selected list.
8. Click **OK**. The Floor Plan Diagram dialog box closes and you return to the Floor Plan Diagrams window with the newly configured floor plan diagram automatically selected.

MAP A FLOOR PLAN

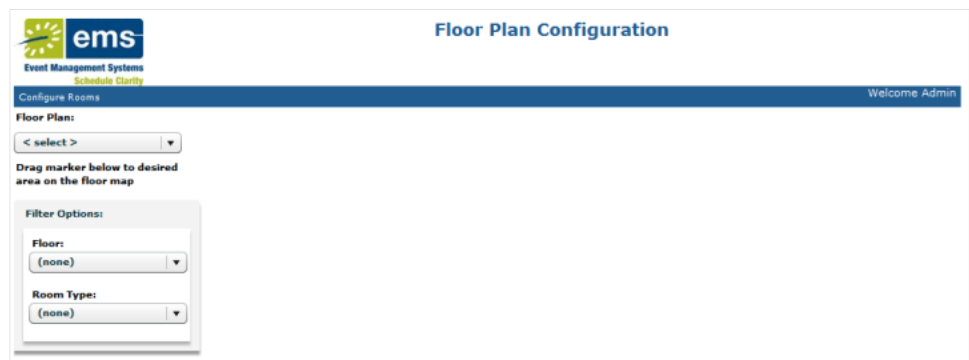
1. Log in to the Floor Plan Configuration module; then the Configure Rooms option shows above the Login fields on the main window.

Floor Plan Configuration module, main window with Configure Rooms option



2. Click **Configure Rooms**. The Configure Rooms page opens.

Floor Plan Configuration module, Configure Rooms page



3. On the Floor Plan dropdown list, select a floor plan diagram. The available indicators that are associated with the floor plan diagram are displayed below the selected diagram.

4. Drag an available indicator and place it as needed to indicate where a room (reservable space) is located on the floor.
5. Repeat Step 4 until you have identified all the reservable spaces on the floor.
6. For each indicator, do the following:
 - » Click on the indicator to open a Room Details dialog box.
 - » On the Rooms dropdown list, select the room for the indicator, and then click **Save**.

NOTE: To filter the list of available rooms, select a specific floor and/or room type under Filter Options. Drop an indicator on the floorplan. Click Save. It is not necessary to configure a room in the indicator.

7. Close the Floor Plan Configuration module.

ENABLE FLOOR PLANS TO SHOW IN YOUR EMS APPS

Once your floorplans have been configured, you can then enable them to display to users in the web apps your organization has licensed.

ENABLE FLOOR PLANS TO SHOW IN EMS WEB APP

1. Go to **System Administration > Settings > Parameters > Everyday User Applications** tab and locate the parameter, *"Floor Plan Web Service URL"*.
2. Enter the URL of your Floor Plan Web Service (see [Install or Upgrade the Floor Plans Web Service](#) for more information).
3. Check that the **View Floor Map** Web Security Template Role is granted (within **Configuration > Web > Web Security Template**).

ENABLE FLOOR PLANS TO SHOW IN EMS KIOSK

1. Go to **System Administration > Settings > Parameters > Kiosk** tab and locate the parameter, *"Floor Plans - Floor Plan Web Service URL"*.
2. Enter the URL of your Floor Plan Web Service (see [Install or Upgrade the Floor Plans Web Service](#) for more information).

CHAPTER 10: EMS Floor Plans Configuration Guide

EMS Floor Plans allows users to search for, view and reserve available space from an interactive floor plan within EMS Web App and EMS Kiosk. To configure and use this component, licensing is required for EMS Desktop Client, EMS Web App and/or EMS Kiosk, and EMS Floor Plans. If you are unsure whether your organization has these licenses, or if you would like to learn more about it, please contact your Account Executive.

This EMS Floor Plans Configuration Guide provides information on the following topics:

- » [Introduction](#)
- » [Hardware and Software Requirements](#)
- » [Install or Upgrade the Floor Plan Web Service](#)
- » [Install or Upgrade the Floor Plans Configuration Utility](#)
- » [Floor Plan Configuration Steps](#)

CHAPTER 11: Introduction

The Floor Plan Module allows users to search for, view and reserve available space from an interactive floor plan within [Web App](#) and the [EMS Kiosk App](#).

In order to configure and use EMS Floor Plans, you must be licensed for EMS, EMS Web App and/or the EMS Kiosk, and the Floor Plan Module. If you are unsure whether or not your organization is licensed for this module, or if you would like to learn more about it, please contact your Account Executive.

To install and setup EMS Floor Plans, you will:

- » Install and configure the Floor Plan Module server components - Floor Plan Web Service and Floor Plan Configuration Utility - as outlined in this document.
- » Within EMS, upload your floor plan indicators and floor plans.
- » Using the Floor Plan Configuration Utility, map indicators to room locations on your floor plans.
- » Enable floor plans to be displayed on EMS Web App and/or the EMS Kiosk.

CONTACT CUSTOMER SUPPORT

- » Option 1 (Recommended): Search the [Knowledge Base](#) available in the [EMS Support Portal](#).
- » Option 2: Submit a [Case](#) directly via the [EMS Support Portal](#).

- » Option 3: Email support@emssoftware.com.
- » Option 4 (Recommended for critical issues only): Phone (800) 288-4565

IMPORTANT: If you do not have a customer login, register [here](#).

CHAPTER 12: Hardware and Software Requirements

DATABASE SERVER

OPERATING SYSTEM

Microsoft SQL Server 2008 R2

Microsoft SQL Server 2012 SP2

Microsoft SQL Server 2012 SP3

Microsoft SQL Server 2014 SP1, Compatibility Level 110

WEB SERVER

OPERATING SYSTEM

IIS APP POOL

Windows Server 2008 R2

7/7.5

Windows Server 2012

8

Windows Server 2012 R2

8.5

OPERATING SYSTEM**IIS APP POOL**

Prerequisites

Application Pool Running 4.0*

.NET Framework 4.6.1*

Minimum System Requirements

Processor: 2.0GHz and 4 cores or faster

Memory: 8GB or more*

Hard-Disk Space: 1GB or more

*For up to 100 concurrent users. Increased specs required for 100+ concurrent users.

*= varies per EMS Software Application

EMS WEB APP

DESKTOP BROWSER

Internet Explorer 11 (please see Tip below)

Microsoft Edge (latest)

DESKTOP BROWSER

Firefox (latest)

Chrome (latest)

Safari (Mac) (latest)

*= varies per application

TIP: EMS Web App V44.1 has been optimized for Internet Explorer 11 and does not require compatibility with previous versions of Internet Explorer. EMS recommends disabling compatibility mode when using Web App V44.1.

EMS WEB APP (MOBILE)

MOBILE BROWSER	PLATFORM
Internet Explorer for Mobile 8.1	Windows
Internet Explorer for Mobile 10	Windows
Chrome	Android, 4.4, 6.0, 7.0, 7.1
	iOS 9.x, iOS 10.x

MOBILE BROWSER

Safari

PLATFORM

iOS 9.x, iOS 10.x

EMS MOBILE APP

SUPPORTED PLATFORMS

Android 4.4, 5.0, 6.0, 7.0, 7.1

iOS 9.x, 10.x

Prerequisites

To host and install EMS Mobile App, you will need the following:

- » EMS database server, web server and Platform Services
- » mobile phone(s)

EMS FOR OUTLOOK

Microsoft® Office

365

Outlook

2010, 2013, 2016

.NET Framework

4.6.1

[Microsoft® Visual Studio 2010 Tools for Office](#)

VSTOR 2010

[Runtime](#)

Prerequisites

EMS Web App

Latest

On User Workstations

Desktop requirements for Microsoft® Outlook Windows 7, 8, or
10

EMS PLATFORM SERVICES

OPERATING SYSTEM

IIS

Windows Server 2008 R2

7/7.5

Windows Server 2012

8

Windows Server 2012 R2

8.5

Prerequisites

.NET Framework

4.6.1

Application Pool

4.0

OPERATING SYSTEM	IIS
HTTPPlatformHandler IIS Module	Download Version 1.2 here OR download the installer here .
PowerShell	5+ Version
ASP.NET Version 4.6	Under Web Server (IIS)->Web Server->Application Development: <ul style="list-style-type: none">» ISAPI Extensions» ISAPI Filters» .NET Extensibility 4.6

EMS INTEGRATION FOR EXCHANGE

Microsoft® Exchange	2010 SP3, 2013, 2016
Microsoft® Office	365

[Exchange Web Services \(EWS\) impersonation](#)

EMS DESKTOP CLIENT

OPERATING SYSTEMS
Windows 7 (32-bit and 64-bit)

OPERATING SYSTEMS

Windows 8 (32-bit and 64-bit)

Windows 8.1 (32-bit and 64-bit)

Windows 10 (32-bit and 64-bit)

.NET Framework 4.6.1

EMS KIOSK

SUPPORTED BROWSERS

Internet Explorer 11, Google Chrome (latest)

.NET Framework 4.6.1

EMS ROOM SIGN APP

TABLET

OPERATING SYSTEMS SUPPORTED BROWSERS

iOS 9, 10

Safari

Android 5, 6

Chrome, KioWare Lite (see [Device Configuration Best Practices](#))

TABLET OPERATING SYSTEMS SUPPORTED BROWSERS

Windows 7, 8, 10 Internet Explorer 11, Chrome, Firefox

.NET Framework: 4.6.1

Tablet Requirements Supported Resolutions

1024 x 768
1280 x 1024
1660 x 900
1920 x 1080
2048 x 1536

Note: Glance will run on touch-enabled tablets (with above resolutions) set in landscape mode. Integrating with ArmorActive enclosures require a browser that can play sound. See

Also: [Device Configuration Best Practices](#).

EMS tests on and recommends the [iPad Mini](#) and [8" Samsung Tab A](#).

Prerequisites EMS Desktop Client, running on database and web servers that meet our system requirements.

EMS CAMPUS WEB SERVICE

OPERATING SYSTEM

Windows Server 2008/2008R2*

OPERATING SYSTEM

*The EMS Campus Planning Interface also requires Microsoft .NET Framework v3.5 on the web server. In Windows Server 2008/2008R2, this is a feature that can be enabled in Windows Server Manager.

NOTES: When installing the EMS Campus Web Service on a Windows Server 2008/2008R2 operating system, please ensure the following Web Server (IIS) Role Services are installed:

- » Common HTTP Features
- » ASP.NET
- » IIS 6 Management Compatibility

EMS SERVICES

SERVICE	.NET VERSION	DISK SPACE
EMS Email Notification Service	4.6.1	100 mb
EMS No Show Notification Service	4.6.1	100 mb
EMS Automated Reports Service	4.6.1	100 mb
EMS Campus Auto Sync Service	4.6.1	100 mb

SERVICE	.NET VERSION	DISK SPACE
EMS Check-In Service	4.6.1	100 mb
EMS CISCO TMS Service	4.6.1	10 mb
EMS Floor Plans Web Service	4.6.1	2 mb
EMS Polycom Service	4.6.1	10 mb

MASTER CALENDAR V8.0 SERVICES

SERVICE	.NET VERSION	DISK SPACE
Email Notification Service	4.6.1	10 mb
Data Connector Service	4.6.1	10 mb
Data Import Service	4.6.1	10 mb

MASTER CALENDAR V7.0 SERVICES

SERVICE	.NET VERSION	DISK SPACE
Email Notification Service	4.6.1	10 mb
Data Connector Service	4.6.1	10 mb
Data Import Service	4.6.1	10 mb

REGICS SERVICES

SERVICE	.NET VERSION	DISK SPACE
Email Notification Service	4.6.1	10 mb

CHAPTER 13: Install or Upgrade the Floor Plans Web Service

IMPORTANT: Before beginning the installation process, please do the following:

- » Install or upgrade your EMS databases as outlined in the EMS Desktop Client Installation Instructions.
- » Manually uninstall any previous versions of the Floor Plan Web Service on your web server.

1. Verify that the prerequisite software is installed.

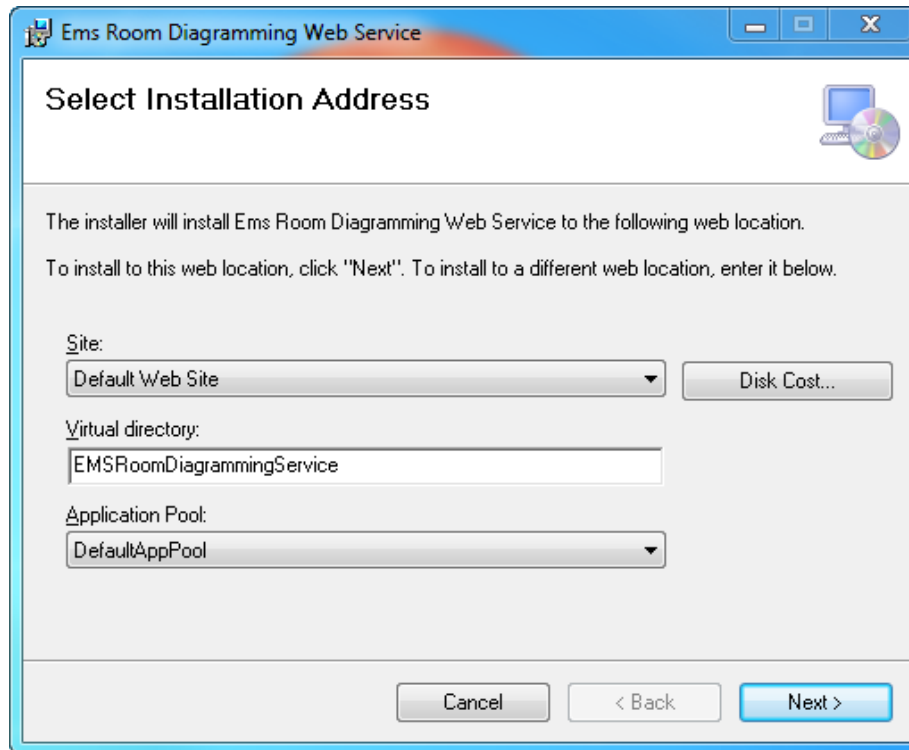
2. Download

EMSRoomDiagrammingService.msi and **EMSFloorPlanConfiguration.msi** onto the web server (typically the web server that hosts your EMS Web App or EMS Kiosk web site(s).)

3. Run **EMSRoomDiagrammingService.msi**.

4. The first screen welcomes you to the EMS Room Diagramming Web Service Setup Wizard. Click **Next** to begin the installation process. The Select Installation Address window will appear.

Select Installation Address Window

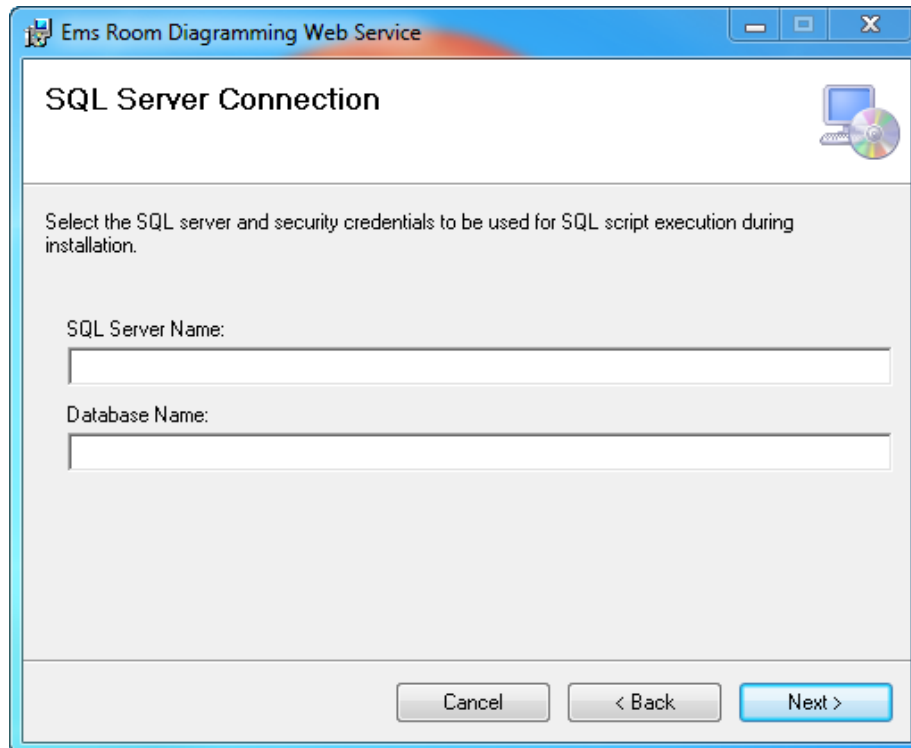


5. Select the Site, Virtual Directory and Application Pool. It is recommended that you keep the default settings. The installation process will create a Physical and Virtual directory on your web server named “EMSRoomDiagrammingService” (or whatever value you entered in the Virtual Directory field.) Click **Next**.

Note: The EMS Room Diagramming Web Service should not be installed in the same Virtual Directory as other EMS web-based products.

- The Confirm Installation screen will appear. Click **Next**. The SQL Server Connection window will appear.

SQL Server Connection Window



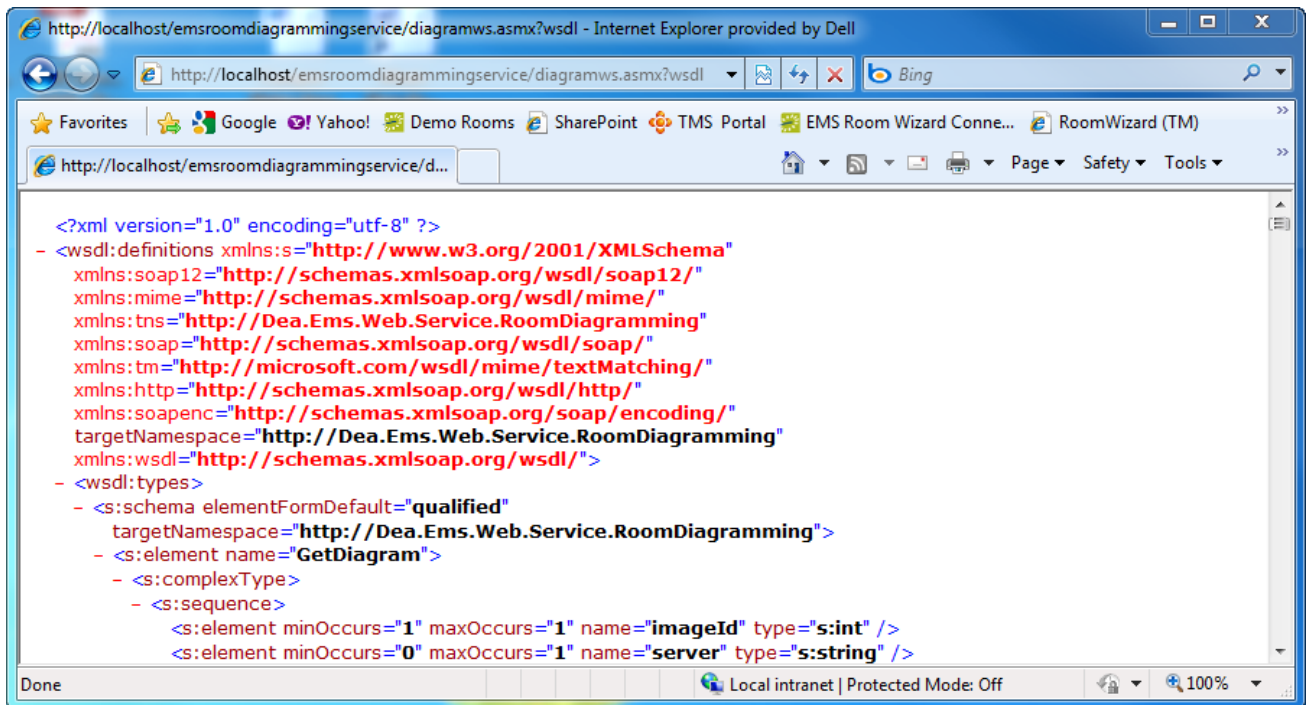
The screenshot shows a Windows-style dialog box titled "Ems Room Diagramming Web Service" with a standard icon in the top-left corner. The main title of the dialog is "SQL Server Connection". In the top-right corner, there is a small icon of a computer monitor with a CD/DVD disc in front of it. The main area of the dialog contains the text: "Select the SQL server and security credentials to be used for SQL script execution during installation." Below this text are two text input fields. The first field is labeled "SQL Server Name:" and the second field is labeled "Database Name:". At the bottom of the dialog, there are three buttons: "Cancel", "< Back", and "Next >". The "Next >" button is highlighted with a blue border.

- Enter your EMS SQL Server Name.
- Enter your EMS Database Name (typically "EMS"). Click **Next** to begin the installation.
- The Installation Complete screen will appear. Click **Close**.

10. After following the steps above, verify your installation by opening a browser and entering the following URL:

http://[Server-Name]/EMSRoomDiagrammingService/DiagramWS.asmx?WSDL
(replace [ServerName] with the name of your web server)

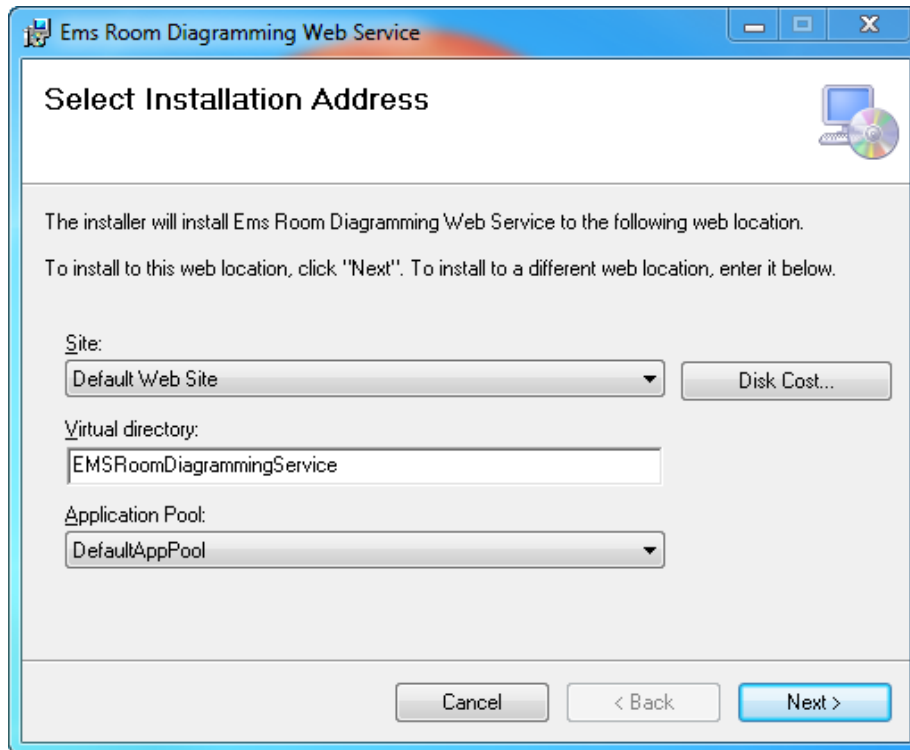
Your browser should return XML.



CHAPTER 14: Install or Upgrade the Floor Plans Configuration Utility

IMPORTANT: Before beginning the installation process, please manually **UNINSTALL** any previous versions of the Floor Plan Configuration Tool on your web server.

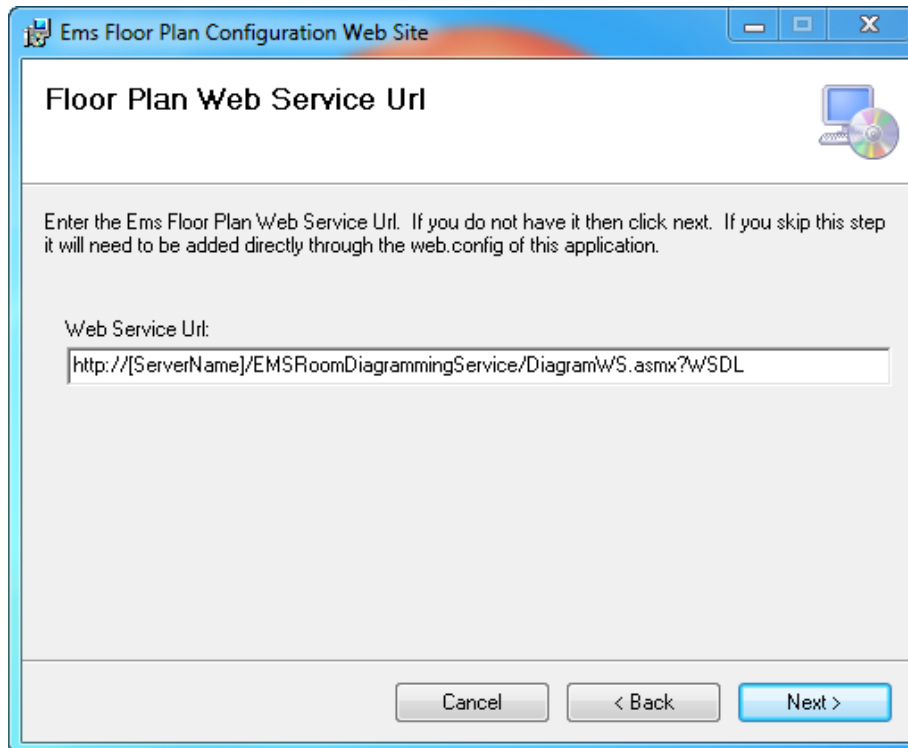
1. Run **EMSFloorPlanConfiguration.msi**. The first screen welcomes you to the EMS Floor Plan Configuration Web Site Setup Wizard.
2. Click **Next** to begin the installation process. The Select Installation Address screen will appear.



3. Select the Site, Virtual Directory and Application Pool. It is recommended that you keep the default settings. The installation process will create a Physical and Virtual directory on your web server named “EMSFloorPlanConfiguration” (or whatever value you entered in the Virtual Directory field.) Click **Next**.

NOTE: The EMS Floor Plan Configuration site should **NOT** be installed in the same Virtual Directory as other EMS web-based products.

4. The Confirm Installation screen will appear. Click **Next**. The SQL Server Connection screen will appear.
5. Enter your EMS SQL Server Name.
6. Enter your EMS Database Name (typically “EMS”). Click **Next**.
7. The Floor Plan Web Service URL screen will appear:



Ems Floor Plan Configuration Web Site

Floor Plan Web Service Url

Enter the Ems Floor Plan Web Service Url. If you do not have it then click next. If you skip this step it will need to be added directly through the web.config of this application.

Web Service Url:

8. Enter the URL of your Floor Plan Web Service (see [Install or Upgrade the Floor Plans Web Service](#) for more information).
9. The Installation Complete screen will appear. Click **Close**.

10. After following the steps above, verify your installation by opening a browser and entering the following URL:

http://[ServerName]/emsfloorplanconfiguration (replace [Server-Name] with the name of your web server).

NOTE: [Integrated Windows Authentication](#) is not supported for EMS Floor Plan.

CHAPTER 15: Floor Plans Configuration Steps

1. Within EMS, upload your floor plan indicators and floor plans as outlined in the [EMS Desktop Client Configuration Guide: Configuring Floors](#).

NOTE: Optimal floor plan image resolution is 1024x768. Valid file types are .png, .jpg, .jpeg, .jpe, or .jif.

2. Using the Floor Plan Configuration Utility, map indicators to room locations on your floor plans.
3. To enable the Floor Plan Module for use with EMS Web App, go to **System Administration > Settings > Parameters > Everyday User Applications** and locate the parameter - '*Floor Mapping - Floor Mapping Web Service URL*'. Enter the URL of your Floor Plan Web Service (see [Install or Upgrade the Floor Plans Web Service](#)).
4. The **View Floor Map** Web Security Template Role must be granted (within **Configuration > Web > Web Security Template**) in order for web users to see an interactive floor map on EMS Web App.

5. To configure the Floor Plan Module for use with the EMS Kiosk (optional module), go to **System Administration > Settings > Parameters > Everyday User Applications** and locate the parameter - '*Floor Plans - Floor Plan Web Service URL*'. Enter the URL of your Floor Plan Web Service (see [Install or Upgrade the Floor Plans Web Service](#)).