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Plugin *RoomSharing*

Documentation

Date of Release	22.12.2015
Document-Version	1.0
Plugin-Version:	1.0.0
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Changelog

Version 1.0, 21.12.2015	SW
	- created

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1   Introduction

RoomSharing adds a new ILIAS object "RoomSharing". This object allows you to manage rooms and book rooms by creating appointments. ILIAS users can be added as participants to an appointment.

2   Background

The Plugins has been written by a group of students at the Hochschule Bremen in Germany. After the project has been finished, the studer + raimann ag has been asked to maintain the code for future ILIAS Versions.

3   Feature Overview

PL-Version	Changes
1.0.0	Create rooms
	Book rooms for your appointments and add participants
	Appointments support recurrence: Daily, Weekly or Monthly
	Custom attributes for rooms and bookings
	Privileges: Additional permissions allowing fine grained access control based on global roles

4   Installation

cd into your ILIAS root directory and execute the following commands:

```
mkdir –p Customizing/global/plugins/Services/Repository/RepositoryObject
cd Customizing/global/plugins/Services/Repository/RepositoryObject
git clone https://github.com/studer-raimann/RoomSharing.git
```
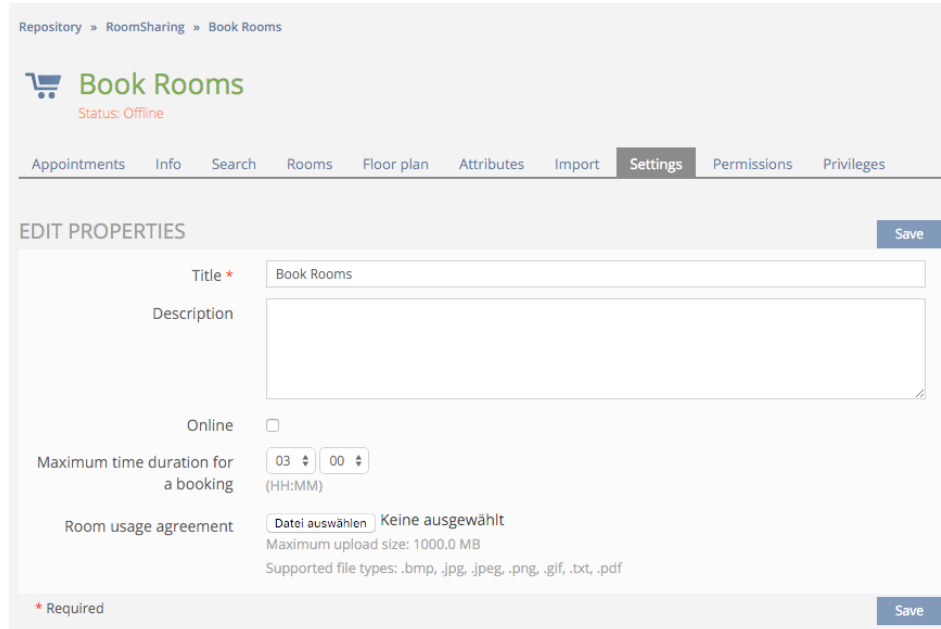
As ILIAS administrator, go to "Administration > Plugins" and install/activate the plugin.

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5   Usage of the Plugin

5.1   Create object

Open the repository and navigate to the place where the new RoomSharing object should exist.

Create a new object of type "RoomSharing", add a title and save.

5.2   Settings

Repository » RoomSharing » Book Rooms

🛒 **Book Rooms**
Status: Offline

| Appointments | Info | Search | Rooms | Floor plan | Attributes | Import | **Settings** | Permissions | Privileges |

EDIT PROPERTIES   Save

Title *	Book Rooms
Description	
Online	☐
Maximum time duration for a booking	03 ⇕ 00 ⇕ (HH:MM)
Room usage agreement	Datei auswählen Keine ausgewählt Maximum upload size: 1000.0 MB Supported file types: .bmp, .jpg, .jpeg, .png, .gif, .txt, .pdf

* Required   Save

In addition to the ILIAS standard settings, you can define the maximum time duration for a booking. This restriction applies to all bookings defined within this object.

There's the possibility to upload a room usage agreement PDF file. If present, the user must agree to the agreement when creating an appointment.

5.3   Floor plans

In this section you can manage floor plans by setting a title and upload a plan picture. Any room can then reference one of the floor plans defined here.

5.4   Rooms
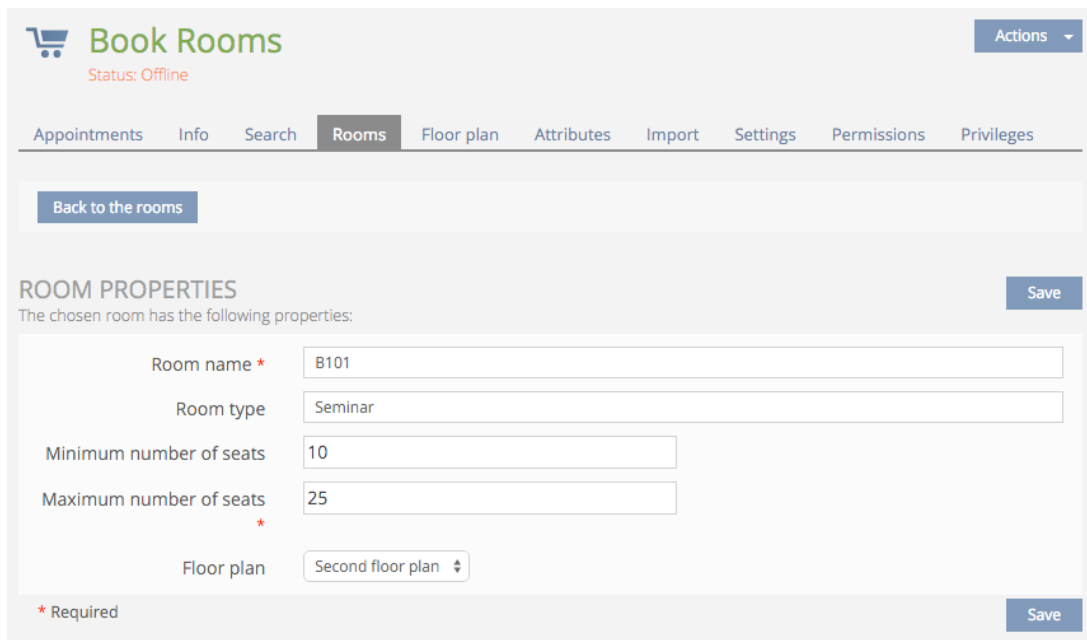
This section allows you to manage your room. Use the filter to search for a room. Possible actions for a room are:

- **Book**: Opens a search form, allowing you to check if this room is available for a given date and time range
- **Edit**: Edit the room
- **Delete**: Delete the room

Create a new room by clicking the button "Add Room" and add the following information:

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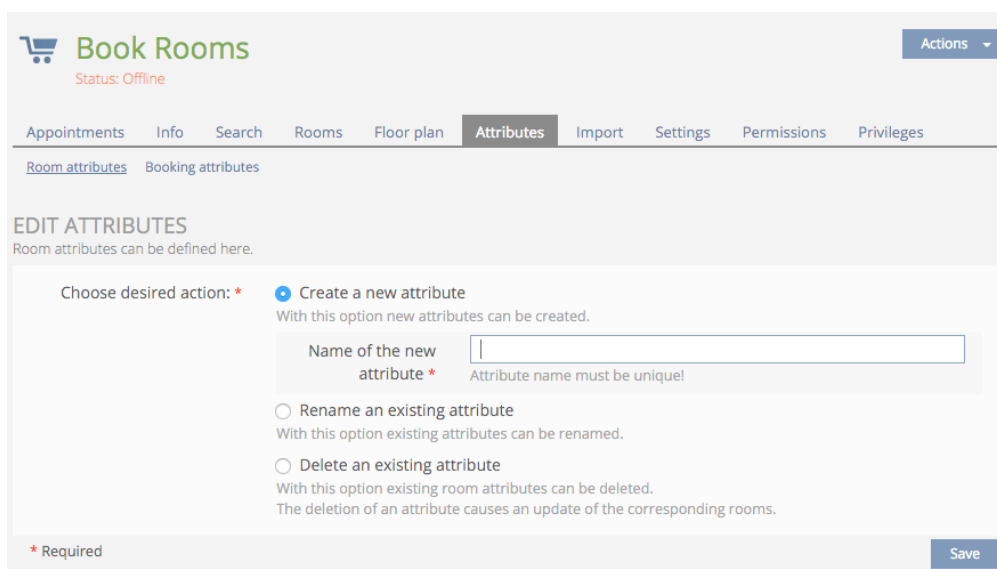info@studer-raimann.ch

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- Room name
- Room type (optional)
- Minimum number of seats (optional)
- Maximum number of seats
- Floor plan

In addition, if there exist any room attributes (see next chapter), these attributes can be set in a new section below the form. Note that at the moment, room attributes are restricted to integer values.

5.5   Attributes

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5.5.1   Room attributes

Room attributes can be filled out when creating/editing a room (see previous chapter). Those attributes are limited to integer values.

5.5.2   Booking attributes

Booking attributes can be filled out when creating/editing a booking.

5.6   Appointments

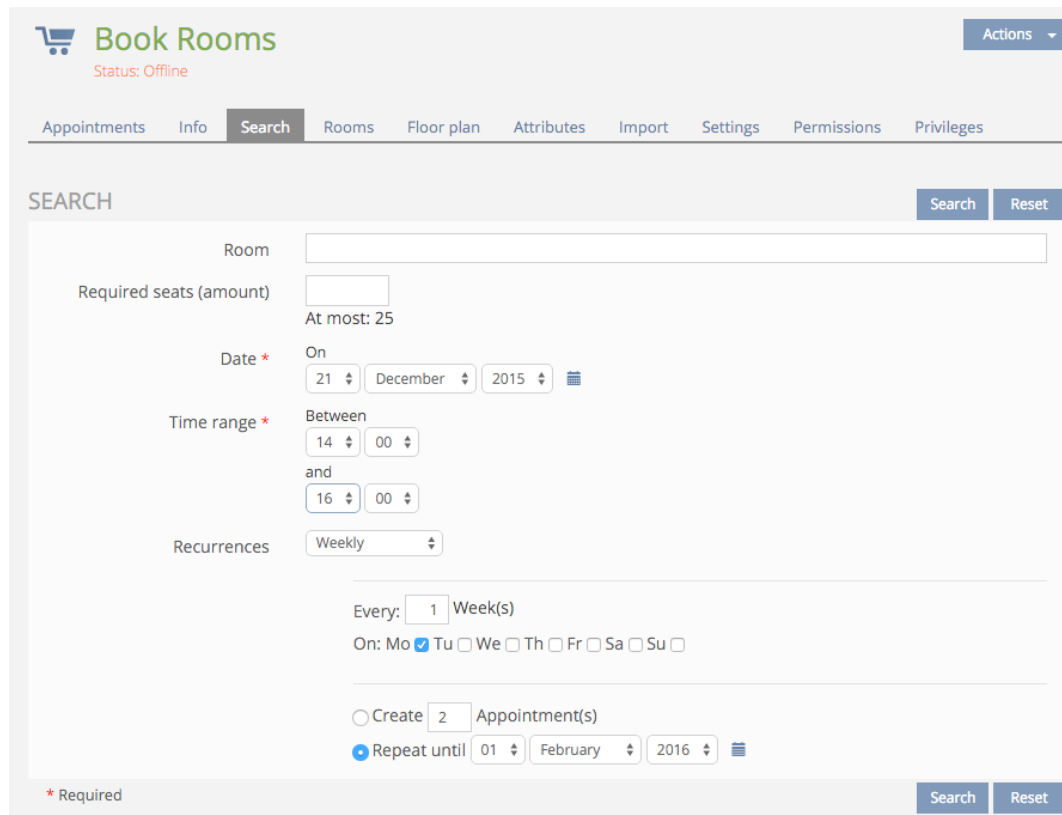Manage existing appointments and create new bookings. Use the filter to find existing appointments.
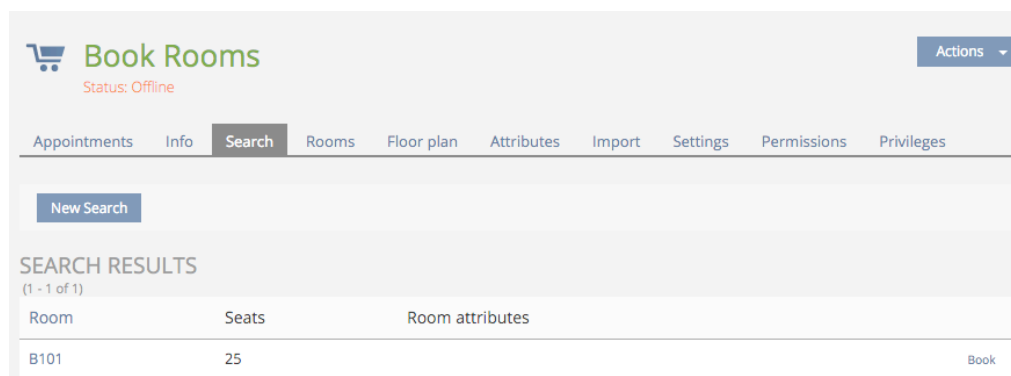

5.6.1   Add booking

Clicking the button "Add booking" in the toolbar opens a search form, where you can search for free rooms according to the following constraints:

- Room: Enter the name of a room if you already know in which room the appointment takes place
- Required seats
- Date and time range
- Recurrence: Specify if your appointment is recurrent (daily, weekly or monthly)

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Click search and check if any free rooms are available for your appointment.

Book the desired room by clicking "Book". This opens a form where you can enter details about your appointment:

- Subject
- Comment
- Date/Time
- Recurrence
- Display username publicly for the booking
- Accept room usage agreement: This step is mandatory if there is a room usage agreement uploaded in the object settings.

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BOOK: ROOM B101   Book

Subject *	
Comment	
Date/Time	**From**
	21 ⬦ December ⬦ 2015 ⬦ 📅
	14 ⬦ 00 ⬦
	(HH:MM)
	to
	21 ⬦ December ⬦ 2015 ⬦ 📅
	16 ⬦ 00 ⬦
	(HH:MM)
Recurrences	Weekly ⬦

Every: 1 Week(s)
On: Mo ☑ Tu ☐ We ☐ Th ☐ Fr ☐ Sa ☐ Su ☐

○ Create 2 Appointment(s)
◉ Repeat until 01 ⬦ February ⬦ 2016 ⬦ 📅

Display username publicly
for the booking ☐

Accept room usage
agreement * ☐ Current room usage agreement

PARTICIPANTS

Participants list mstuder ✚ ━
At most: 24

* Required   Book

Add participants by entering valid ILIAS usernames. Start typing at least 3 letters from the users login, firstname or lastname and choose the appropriate user from the dropdown. All participants are notified by e-mail about the appointment.

Click "Book" to create the booking.

5.7   Import

The import supports importing data from a daVinci text file.

🛒 **Book Rooms**
Status: Offline   Actions ▾

Appointments Info Search Rooms Floor plan Attributes **Import** Settings Permissions Privileges

IMPORT DAVINCI DATA   Import

Upload daVinci text-file *	Datei auswählen Keine ausgewählt
	Maximum upload size: 1000.0 MB
	Allowed file types: .txt
Import bookings	☐
Import rooms	☐
Default room capacity	20

* Required   Import

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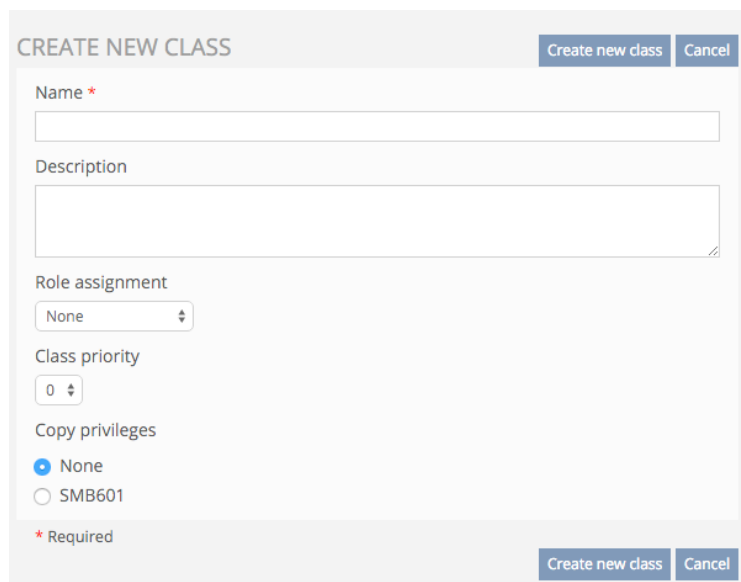info@studer-raimann.ch

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5.8   Privileges

Privileges offer additional permissions for a fine-grained access control on a RoomSharing object. Permissions are coupled to a "class". A user belongs to a class depending on a global role, which is defined in a class. If the user is assigned to the global role, she is assigned to the class.

5.8.1   Create a class

Open "Privileges" and click on "Create new class". Enter the following information:

- **Name**
- **Description**
- **Role Assignment**: Choose a global role. Users assigned to the role are assigned to the class.
- **Class priority**: If multiple classes are assigned to users, the one with the higher priority is applied
- **Copy privileges**: Copy permissions of another existing class

CREATE NEW CLASS   [Create new class] [Cancel]

Name *
[   ]

Description
[   ]

Role assignment
[None ▾]

Class priority
[0 ▾]

Copy privileges
◉ None
○ SMB601

* Required
                                                   [Create new class] [Cancel]

5.8.2   Permissions

The following permissions are available:

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Floor plans
The privileges for the floor plans are listed here below.

☐ Access floor plans

☐ Create

☐ Edit

☐ Delete

☐ **Select All**

General Privileges
General privileges are listed here below.

☐ Access settings

☐ Access privileges

☐ Create class

☐ Edit class

☐ Delete class

☐ Edit privileges

☐ Lock privileges

☐ **Select All**

Appointments
Appointment-specific privileges, including the ones for the bookings and the participations, are listed

☐ Access appointments

☐ Access search

☐ Create, edit, cancel

☐ Add participant

☐ Recurring bookings

☐ Unlimited book time

☐ Look up non-public booking information

☐ Import of bookings from an external file

☐ Administrate attributes

☐ Cancel lower class priority

☐ Notification settings

☐ **Select All**

Rooms
Privileges for the rooms are listed here below.

☐ Access rooms

☐ Look up bookings

☐ Create

☐ Edit

☐ Delete

☐ Administrate attributes

☐ **Select All**