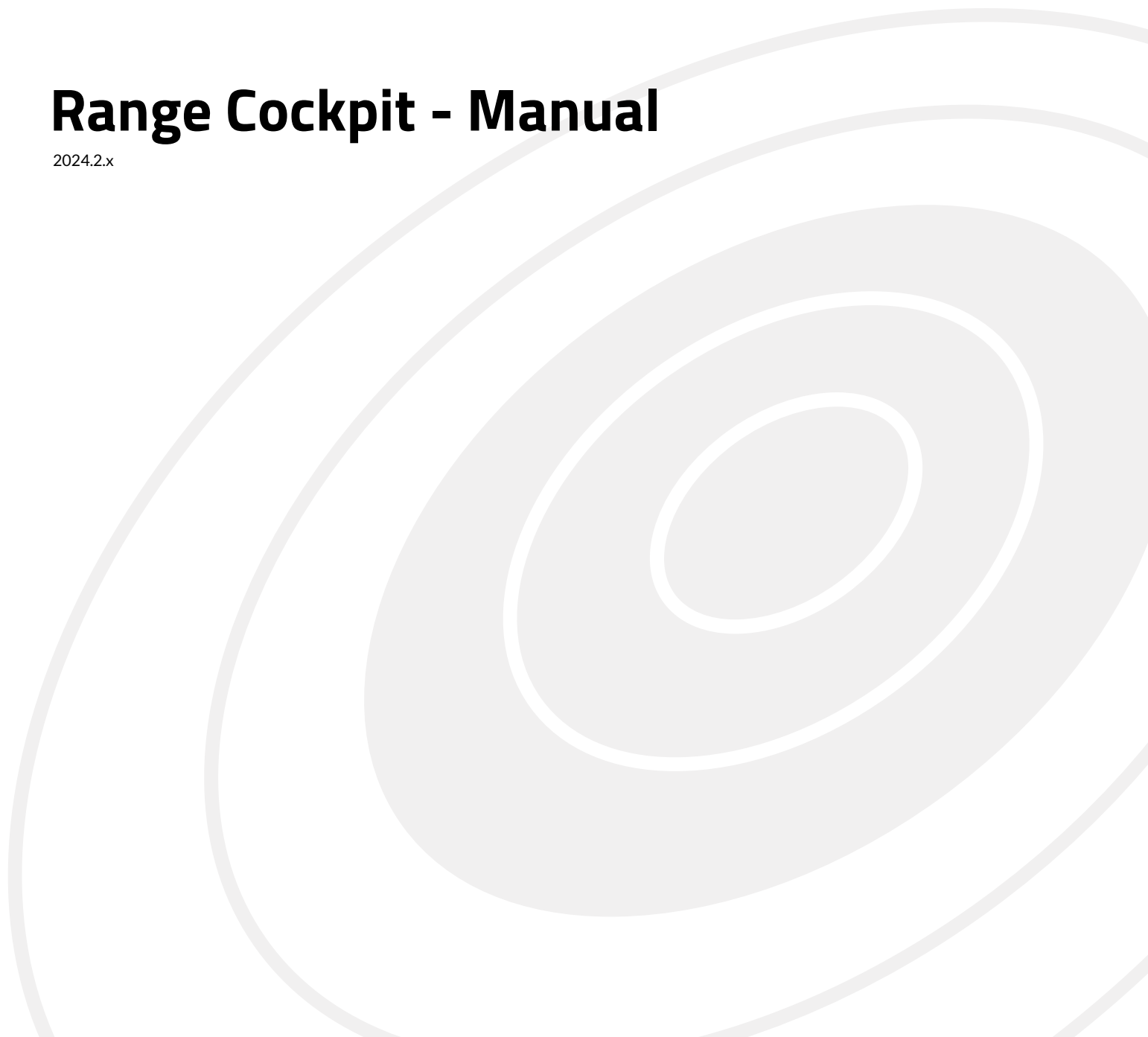


# SIUS

 SWISS PRECISION

## Range Cockpit - Manual

2024.2.x



## Table of contents

Introduction.....	5
Range Cockpit Login .....	5
Range Board .....	6
Range Details .....	6
Range Time .....	6
Shooting Sports Cloud.....	7
Change Password.....	7
Statistics.....	8
Backups .....	9
Mainmenu .....	9
Range Configurator .....	10
Range Plans.....	10
Health Check.....	11
System Checks.....	11
Home .....	12
Configurations.....	12
Devices .....	13
Services .....	13
Wizard .....	13
Range Settings .....	14
Range Update .....	15
Update Range .....	15
Online Update .....	15
Offline Update.....	16
Clients.....	20
Store .....	20

Installation Jobs.....	20
Resource Server.....	21
Packages.....	21
Create Packages.....	21
Import Packages.....	22
Export Packages.....	22
Exercises.....	23
Exercises Editor.....	23
Favorite Exercises.....	23
Exercise Packages.....	24
Users.....	25
Organizations.....	25
Userfilter.....	26
Countries.....	26
Flag Images.....	26
Target Definitions.....	26
Weapons.....	26
Mappings.....	26
Sensor Data Analysis.....	27
STYX Service.....	28
STYX Tree.....	28
Network Connectors.....	28
Watchtower.....	29
Range Control.....	29
Live View.....	29
Exercise Control.....	29
Exercise Controller Settings.....	30

Assign .....	30
Direct Assignment .....	30
Assignment List.....	31
Flexible Assignment List.....	32
Competitions.....	34
Participation Groups.....	34
Participants.....	35
Ranking Groups.....	36
Activate Competition .....	36
Lane View .....	37
Results .....	38
Users.....	38
All Exercises.....	39
Maintenance .....	40



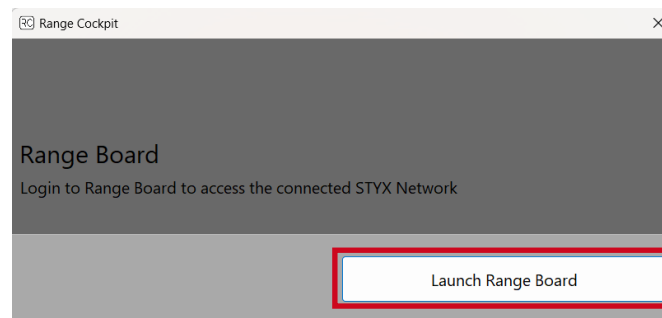
## Introduction

The SIUS Cockpit was replaced by Range Cockpit with version 2024.1.0, the range of functions remains the same.

### Range Cockpit Login

Open Range Cockpit with a double click on the desktop icon.

Click “Launch Range Board”, to open the Range Cockpit.



**Login as Guest:** Grants access to Watchtower and Health Check (No password required).

#### Administrator Login:

Username: admin

Password: The password is provided by SIUS, it can be requested from support. The password can be changed in the Range Board.

The password can be reset using the “Reset Admin Password” function. To do this, the displayed code must be sent to SIUS Support by e-mail.

## Range Board

### Range Details

The homepage of the Range Boards shows the range details.

General information about the system (A) is displayed here (e.g. Country, Location, Language, etc.).

The Data can be customized.

The Range Language is the language of the range (e.g. athletes monitors)

Click the Update Button (B) to save changes.

The screenshot shows the 'Range Board' interface with the 'Range Details' tab selected. The form contains the following fields:

- Country: Switzerland (CHE)
- Location: Effretikon
- Venue: Support
- Range: Test Range
- Combined Range Name: CHE Effretikon Support Test Range
- Range Language: English (EN)

A red box labeled 'A' encloses the Country, Location, Venue, Range, and Combined Range Name fields. A red box labeled 'B' encloses the 'Update' button at the bottom left of the form.

### Range Time

The range time can be changed here.

Mostly the time setting is set during set up of the range and it's not necessary to update afterwards.

At online ranges the Date and time are updated automatically by changing the time Zone.

The screenshot shows the 'Range Board' interface with the 'Range Time' tab selected. The form contains the following fields and buttons:

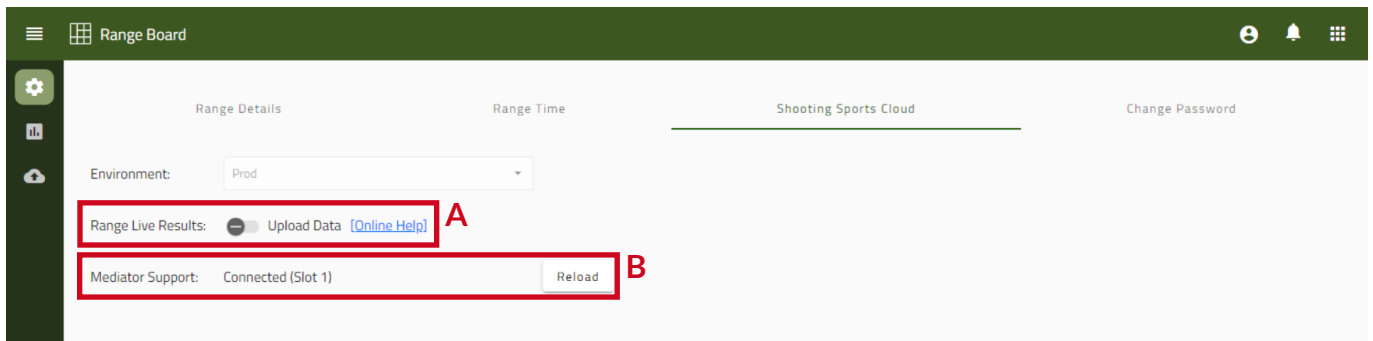
- Europe/Zurich (dropdown menu)
- Date and Time: 11/5/2024, 8:09 AM
- Update timezone only (button)
- Update time and timezone (button)

A red box highlights the entire form area.

## Shooting Sports Cloud

If the function "Range Live Results" (A) is activated, data will be published online on Shootingsportscloud. To activate the upload, switch the button to the right. It is saved automatically.

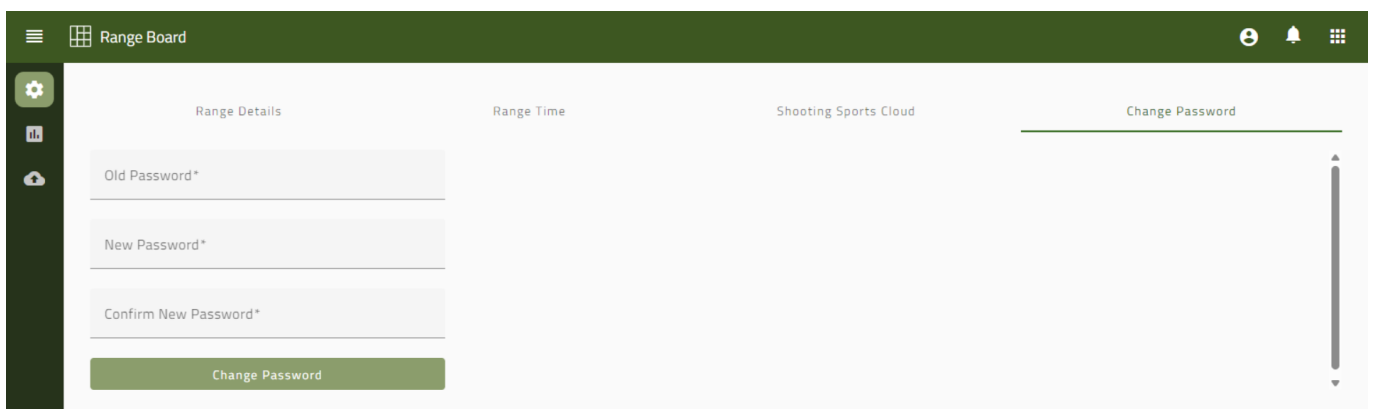
The Mediator Support (B) is a support tool of SIUS AG to connect to your range, internet access is required. This options shows if a supporter is currently connected to the range.



## Change Password

In this area you can change your admin-password.

To do this, the old password must be filled in the first field and any new password must be entered in the next fields.



## Statistics

Within the Shot Counter the number of shots per lane and for the entire range are displayed.

In the list, the number of shots is shown according to each lane.

And the total of shots of all lanes is shown at the bottom of the list.

Lane	Count
1	4490
2	1943
3	756
4	706
5	1040
6	694
7	809
8	791
9	876
10	2854
11	752
12	895
13	946
14	887
15	979
16	715
17	557
18	465
19	124
Sum:	21374

Additional shot statistics or login counters can be viewed and exported. However, only the existing results on the resource server are included in these two statistics. The storage period for exercises and results data can be set to a maximum of one year in the Watchtower in the Maintenance section.

## Backups

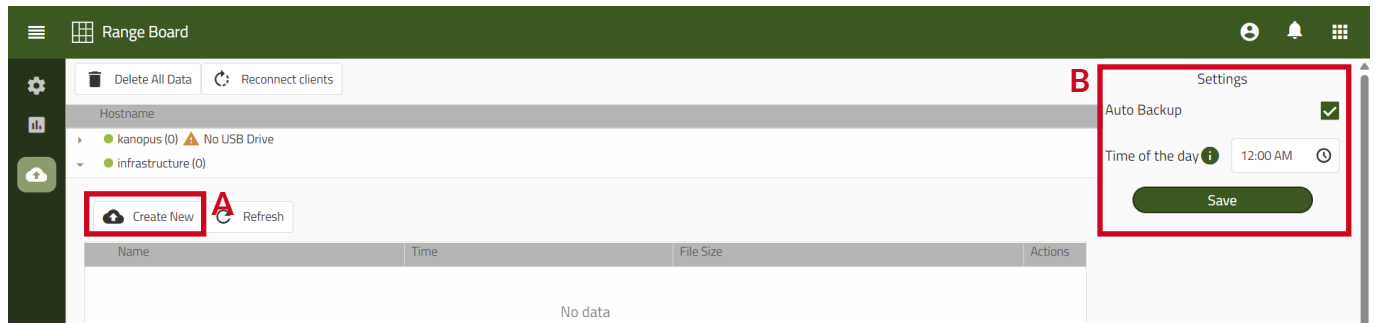
In the Backups Section, backups of the servers ,kanopus and infrastructure, can be created.

The backup contains the whole configuration (and exercises and users) of the server.

To make Backups at least one USB stick is needed, USB sticks that have been validated by SIUS are preferred.

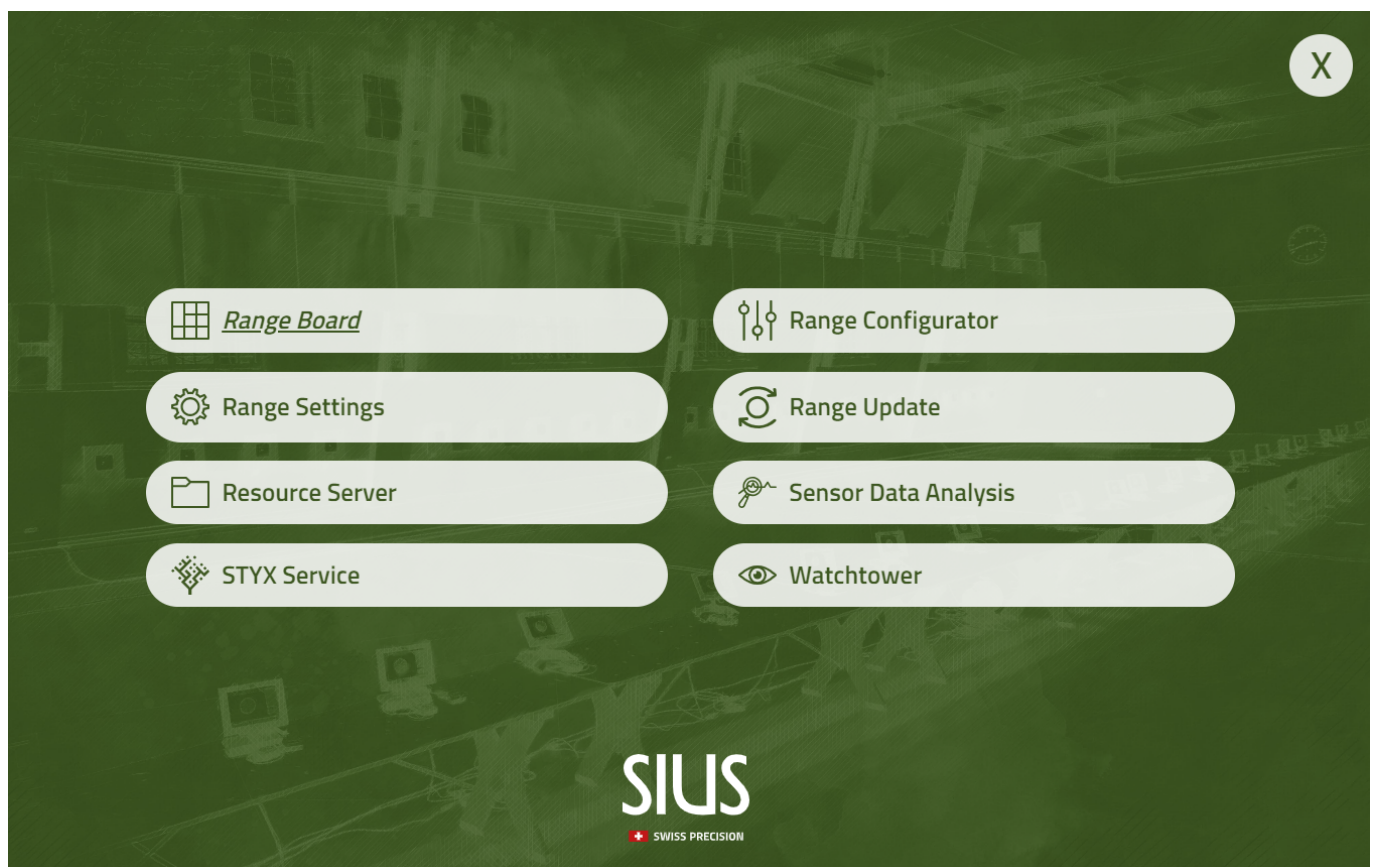
To start a manual backup, plug in the USB stick to the desired server (e.g. infrastructure) and press "create new" (A).

If an USB stick is plugged in permanently to a server the "Auto Backup" (B) can be set.



## Mainmenu

The mainmenu is used to navigate to the different services of the range.



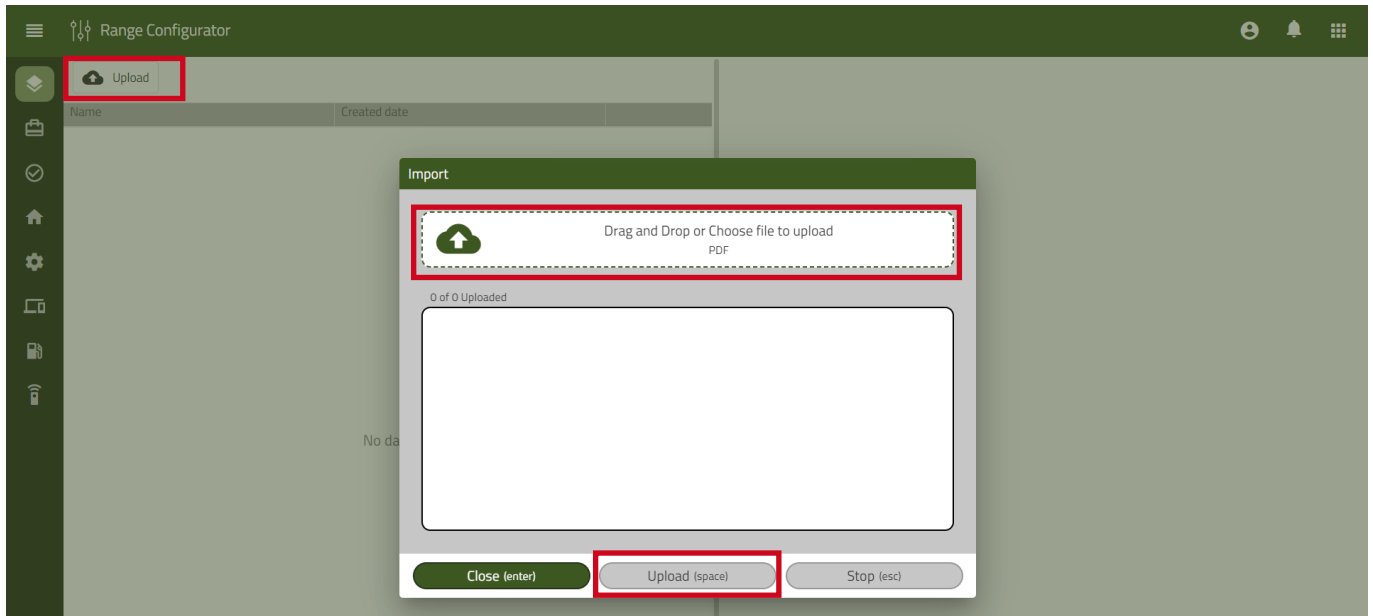
## Range Configurator

### Range Plans

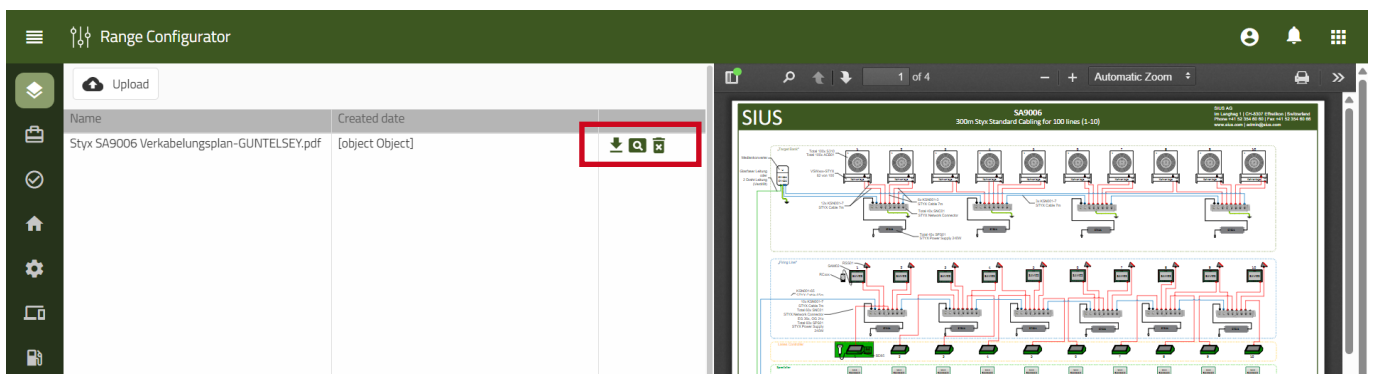
In the section "Range Plans", the range plan of the range can be uploaded.

Upload the range plan, by clicking on the Button "Upload", then select the concerning document and upload it.

When the upload is finished the Import window can be closed again by clicking "Close".



Once the range plan is uploaded, it can be downloaded, shown or deleted.



## Health Check

In the Health Check Warnings and Errors of the entire range (STYX components) are listed. Warnings and errors are listed in the following tabs:

- **Warnings:** Warnings and errors are listed
- **No Connection:** Devices with no connection are listed (e.g. not started athletemonitors)
- **Not configured:** Devices without a configuration are listed

The screenshot shows the 'Range Configurator' interface. The 'No Connection' tab is selected, displaying a table of devices. The table has columns: Service, Main Groups, Serial Number, IP Address, Warnings, and Options. A single entry is shown for 'athletemonitor.application' with a warning icon. The warning message is:

- 146: Log files can not be written -> Normal operation is still possible at 5/22/2024, 8:22:09 AM ⓘ  
Custom description: The defined LogDirectory /opt/sius/logs does not exist
- 172: SD-Card could not be found -> no SD-Card is present or the SD-Card is broken at 5/22/2024, 8:16:59 AM ⓘ  
Custom description: No working SD-Card could be found. Formatting of the SD-Card is aborted.

In case of problems with the range have a look in the health check before contacting the support. The support will ask for screenshots of all tabs of the health check in most cases.

## System Checks

Field tests can be executed for selected devices.

The list of supported devices is constantly increasing.

The screenshot shows the 'Range Configurator' interface. The 'Start Field Test' button is highlighted with a red box. The interface shows a sidebar with navigation icons, a top bar with 'Range Configurator' and user icons, and a main content area with a 'Start Field Test' button and a table of test results.

Name	Status
DidromTest	Passed
I2CTest	Passed
PowerSupplyTest	Passed
AcousticLedTest	Passed
SpiCommunicationTest	Passed

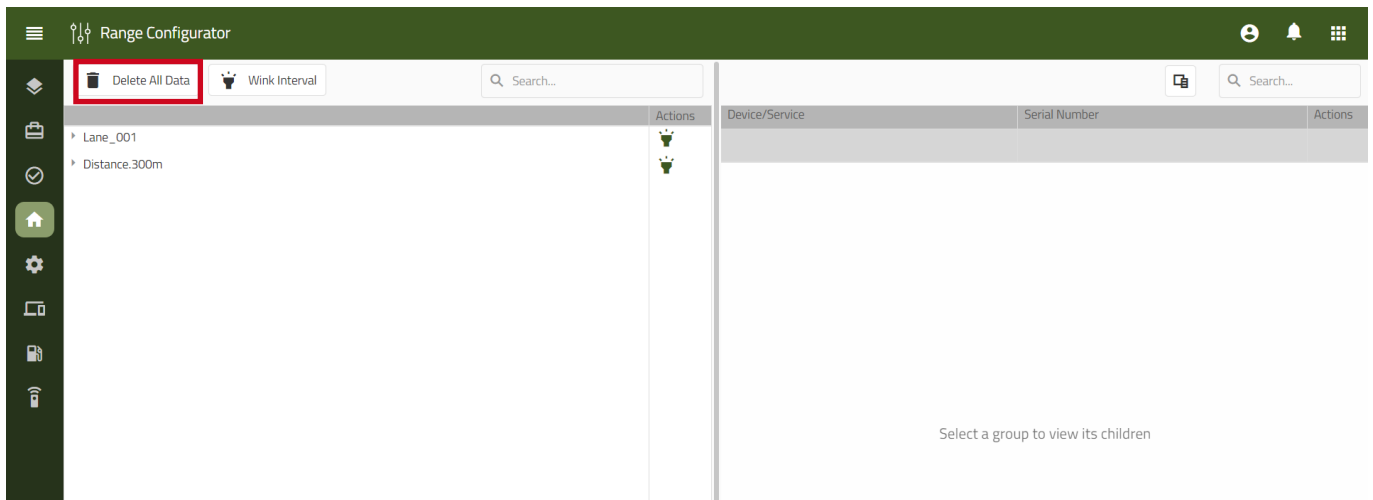
### Home

Homepage of the Range Configurator.

The Groups with its devices of the active configuration are listed.

The button "Delete All Data" deletes the active configuration.

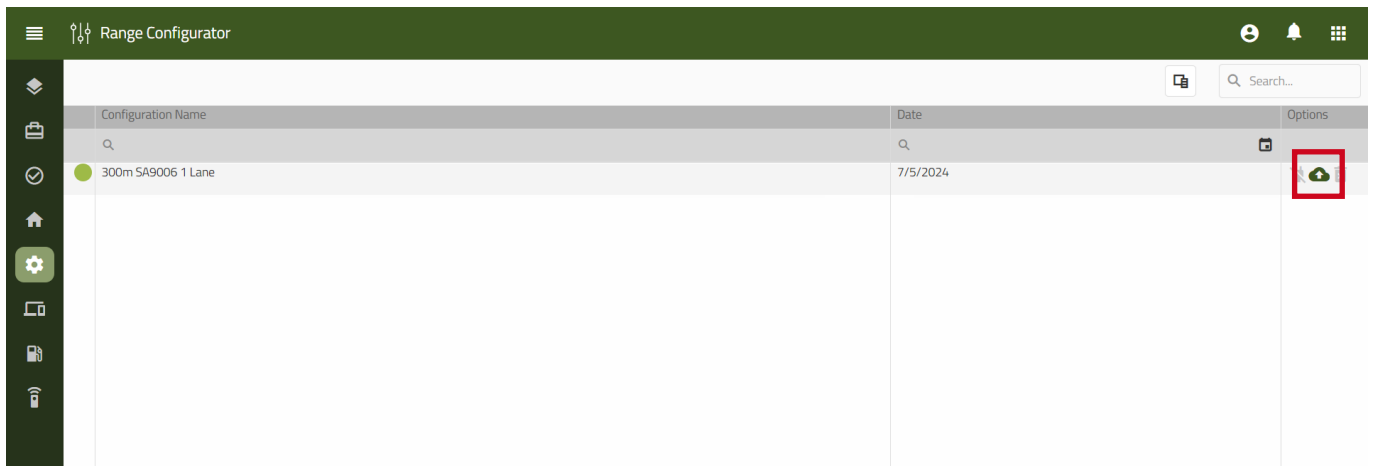
This button should never be pressed without instruction of SIUS staff.



### Configurations

The active configuration is shown.

The configuration can be uploaded to the cloud, by clicking the cloud symbol.





### Devices

All devices and their status are listed.

There are also simplified functions for carrying out tests or replacing devices.

The functions are the following (from left to right):

- **Wink:** the affected device responds with blinking
- **Exchange:** A device can be changed with another device of the range
- **Replace:** A device can be replaced by a new device
- **Delete:** A device can be deleted from the configuration

Service Name	Main Groups	Serial Number	IP Address	Options
acousticbar.application	Distance.300m.Device Lane_001.Device	44:b4:12:02:43:37	172.20.14.27	Wink, Exchange, Replace, Delete
athletemonitor.application	Lane_001.Device	44:b4:12:03:29:7d	172.20.14.25	Wink, Exchange, Replace, Delete
bd95.application	Lane_001.Device	44:b4:12:03:11:5e	172.20.14.26	Wink, Exchange, Replace, Delete
rangeupdate styxservise		00:0d:b9:48:61:14	172.20.10.17	Wink, Exchange, Replace, Delete

### Services

All services of servers and devices are listed here.

If there are services with warnings, these are displayed on the right in the column Warnings.

If a device provides the opportunity to wink, it's also possible to send a wink to the device in this view.

Service	Main Groups	Serial Number	IP Address	Options	Warnings
acousticbar.application	Distance.300m.Service Lane_001.Service	44:b4:12:02:43:37	172.20.14.27	Wink	
athletemonitor.application	Lane_001.Service	44:b4:12:03:29:7d	172.20.14.25	Wink	
bd95.application	Lane_001.Service	44:b4:12:03:11:5e	172.20.14.26	Wink	
rangeconfigurator		00:0d:b9:48:61:14	172.20.10.17		
rangesettings		00:0d:b9:48:61:14	172.20.10.17		
styxservise		00:0d:b9:48:61:14	172.20.10.17		

### Wizard

The Wizard is used to configure the range at initial installation.

The Wizard is only performed by SIUS staff or on instruction.

An accidentally started Wizard can lead to a non functional range.

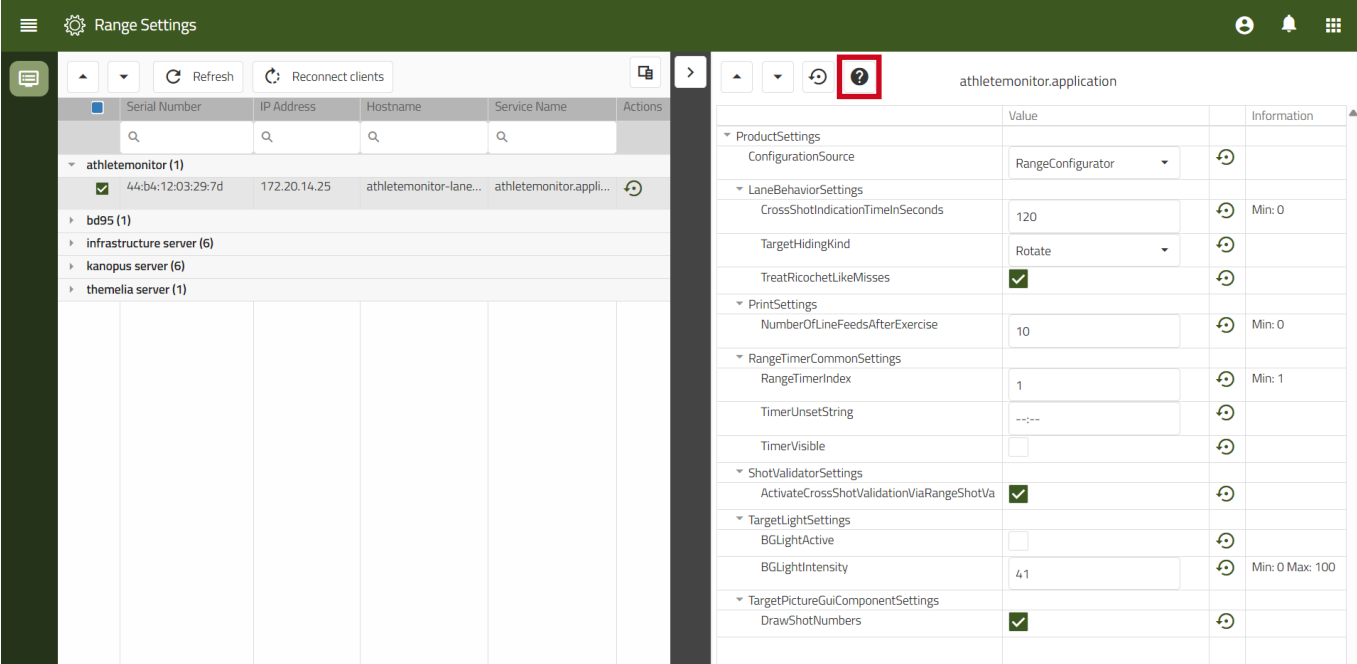
SIUS AG reserves the right to charge for any support required afterwards.

## Range Settings

In the "Range Settings" different settings of the devices can be changed.

Select the device (a single service) on the left side, then the available settings appear on the right side to be edited.

A declaration for each setting can be found by clicking on the ?-Button.



The screenshot displays the "Range Settings" application interface. On the left, a list of devices is shown under the heading "athletemonitor (1)". The selected device is "44:b4:12:03:29:7d" with IP address "172.20.14.25" and service name "athletemonitor.appli...". Below this, other servers like "bd95 (1)", "infrastructure server (6)", "kanopus server (6)", and "themelia server (1)" are listed.

On the right, the configuration settings for "athletemonitor.application" are displayed. A red box highlights the help icon (?) in the settings header. The settings are organized into categories:

- ProductSettings**: ConfigurationSource (RangeConfigurator)
- LaneBehaviorSettings**:
  - CrossShotIndicationTimeInSeconds: 120 (Min: 0)
  - TargetHidingKind: Rotate
  - TreatRicochetLikeMisses:
- PrintSettings**:
  - NumberOfLineFeedsAfterExercise: 10 (Min: 0)
- RangeTimerCommonSettings**:
  - RangeTimerIndex: 1 (Min: 1)
  - TimerUnsetString: --:--
  - TimerVisible:
- ShotValidatorSettings**:
  - ActivateCrossShotValidationViaRangeShotVa:
- TargetLightSettings**:
  - BGLightActive:
  - BGLightIntensity: 41 (Min: 0 Max: 100)
- TargetPictureGuiComponentSettings**:
  - DrawShotNumbers:

## Range Update

### Update Range

The whole range can be updated online with just a few clicks, but also an offline Update is possible. Due to compatibility all servers and devices must be updated at once.

### Online Update

**Requirements:** The Network Master must be connected to the internet.

If the range is connected to the internet, the Update of the range can be done by clicking on the "Start"-Button in the Section "Update Range".

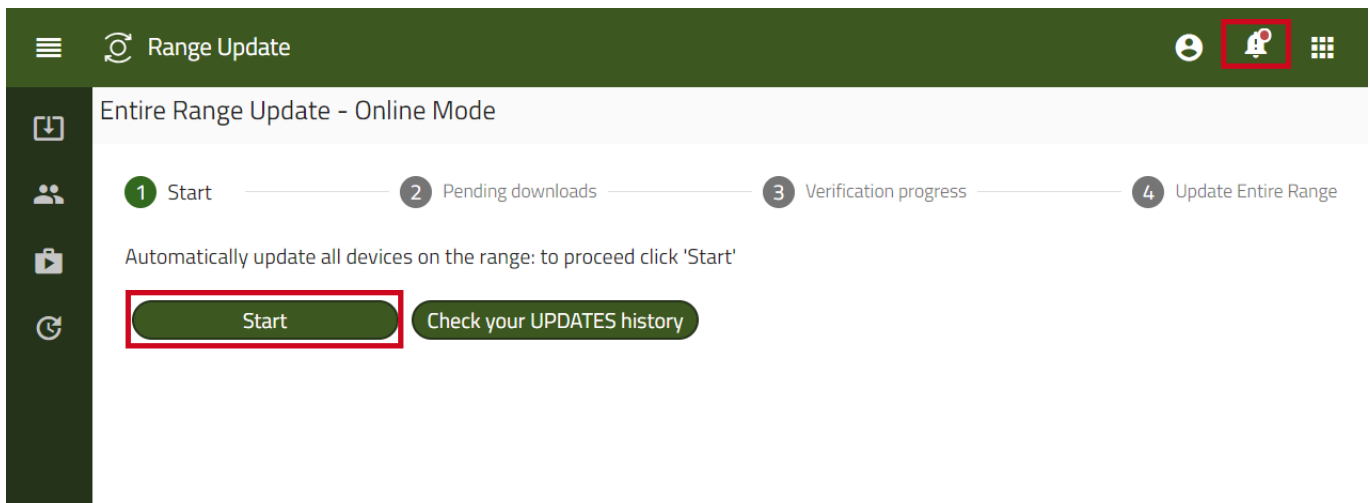
After clicking the "Start"-Button and confirming the process the available updates are installed automatically.

Info: The Infrastructure will be updated first, then the other servers and devices follow.

The whole update process can take up to an hour, during this time all devices must stay powered on. During the update process several restarts of the servers and devices are possible.

It is only possible to start the online Update, if there are Updates available.

Available Updates are indicated by a red dot by the bell in the upper right corner of the Range Cockpit.



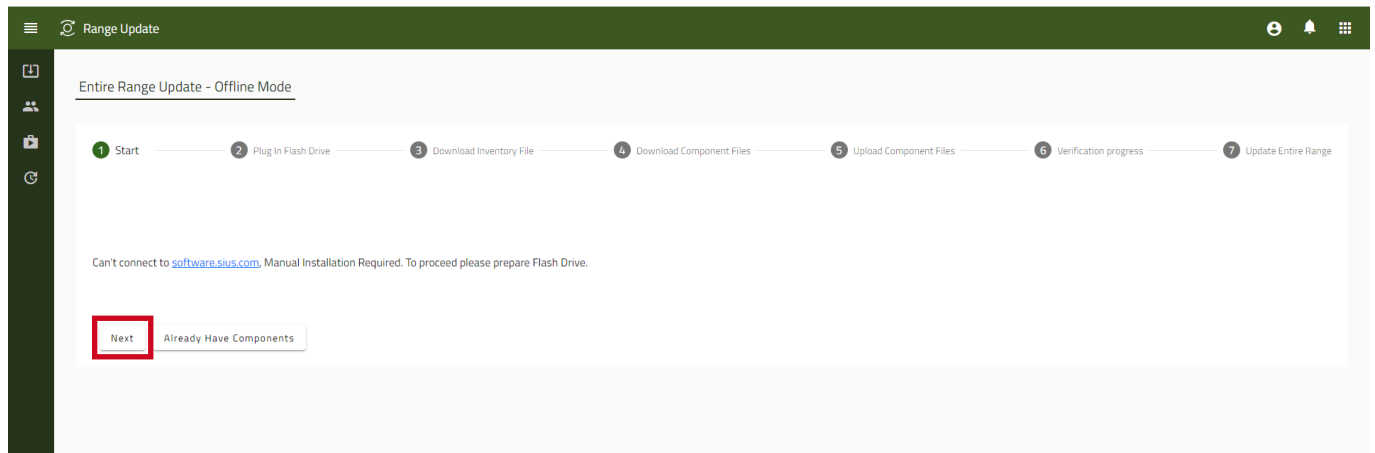
The screenshot shows the 'Range Update' interface. At the top, there is a navigation bar with a menu icon, a refresh icon, and the text 'Range Update'. On the right side of the navigation bar, there is a user profile icon, a notification bell icon with a red dot (highlighted with a red box), and a grid icon. Below the navigation bar, the main content area is titled 'Entire Range Update - Online Mode'. A progress bar at the top of the main content area shows four steps: 1 Start, 2 Pending downloads, 3 Verification progress, and 4 Update Entire Range. Below the progress bar, there is a text instruction: 'Automatically update all devices on the range: to proceed click 'Start''. At the bottom of the main content area, there are two buttons: 'Start' (highlighted with a red box) and 'Check your UPDATES history'.

## Offline Update

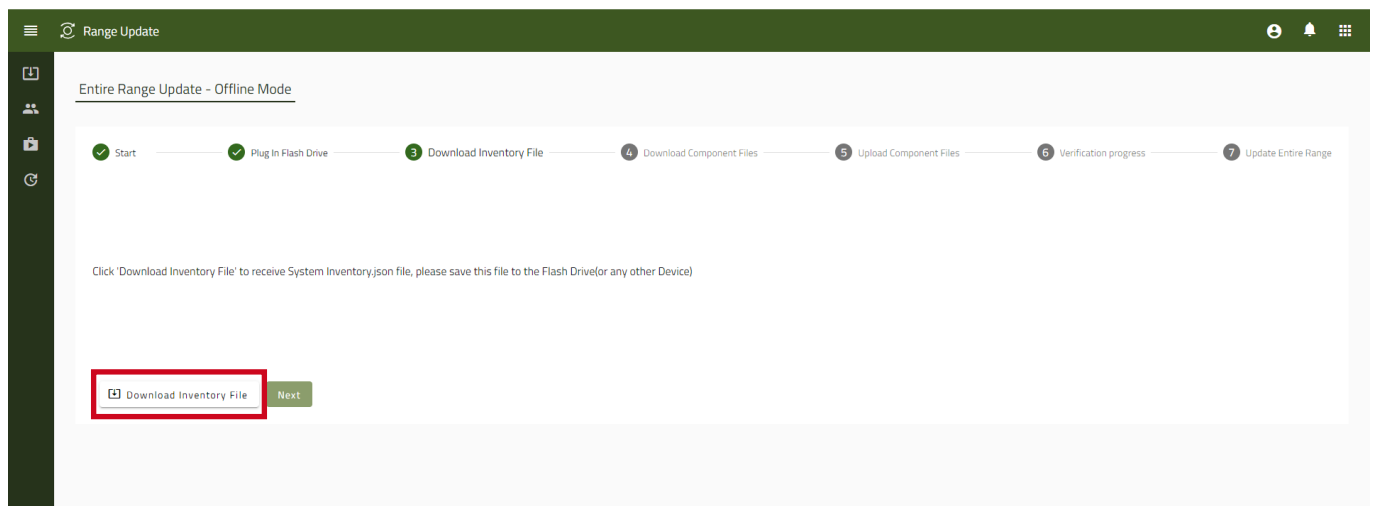
If the range is not connected to the internet, an offline update can be done.

Before starting the Offline Update be advised to plug in an USB stick to the range Computer (on which the Range Cockpit is running).

- Navigate to Mainmenu>Range Update > Update Range.
- Click on "Next" to start the Offline Update process

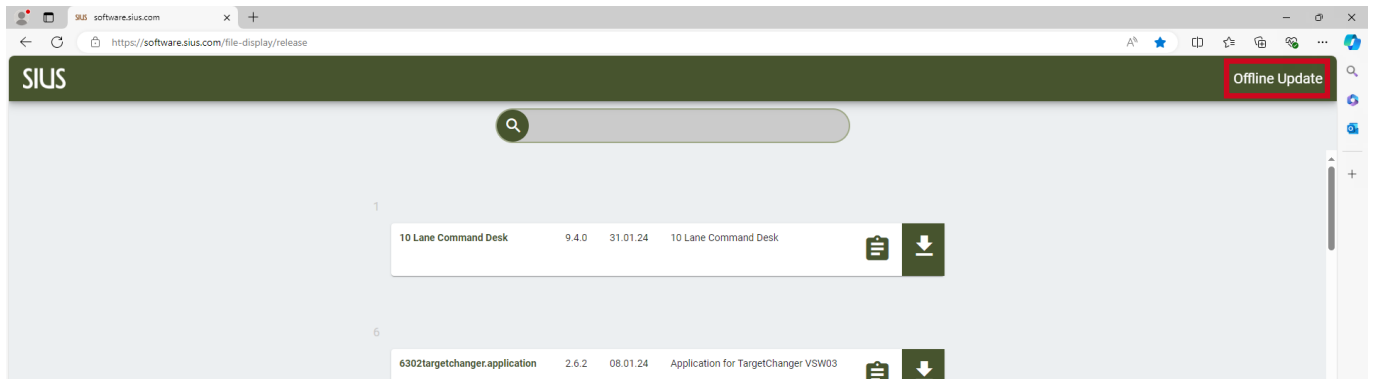


- Confirm the following page (Request to plug in the USB stick)
- and on the next page, click "download inventory file (.json)
- and save the inventory file on the plugged in USB stick

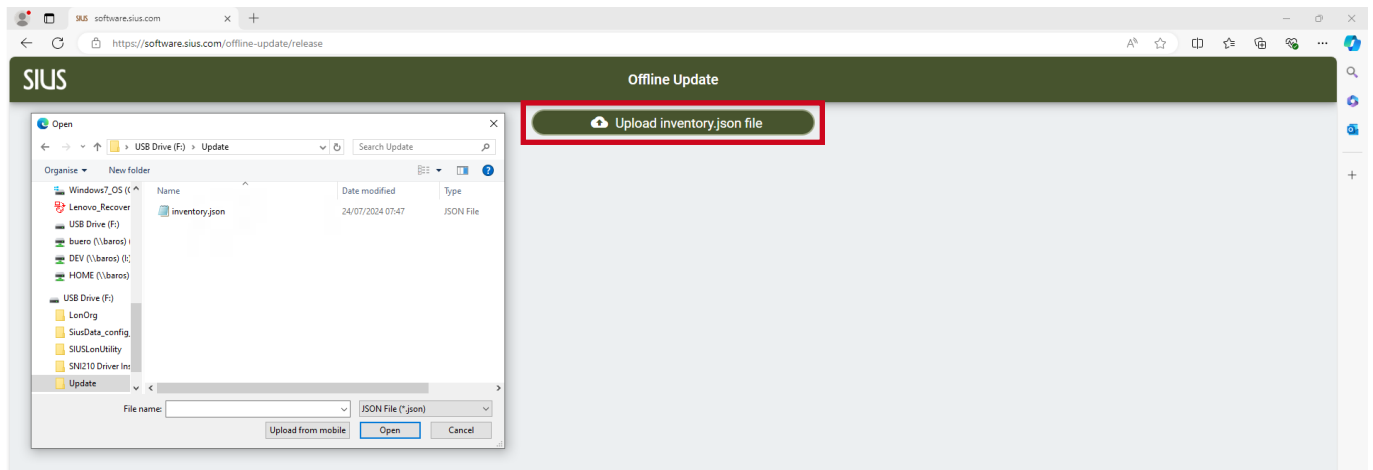


After downloading the inventory file, plug off the USB stick and change to a location with internet access.

- Plug in the USB stick with the inventory file
- open software.sius.com in your browser (e.g. Edge) and change to "Offline Update"



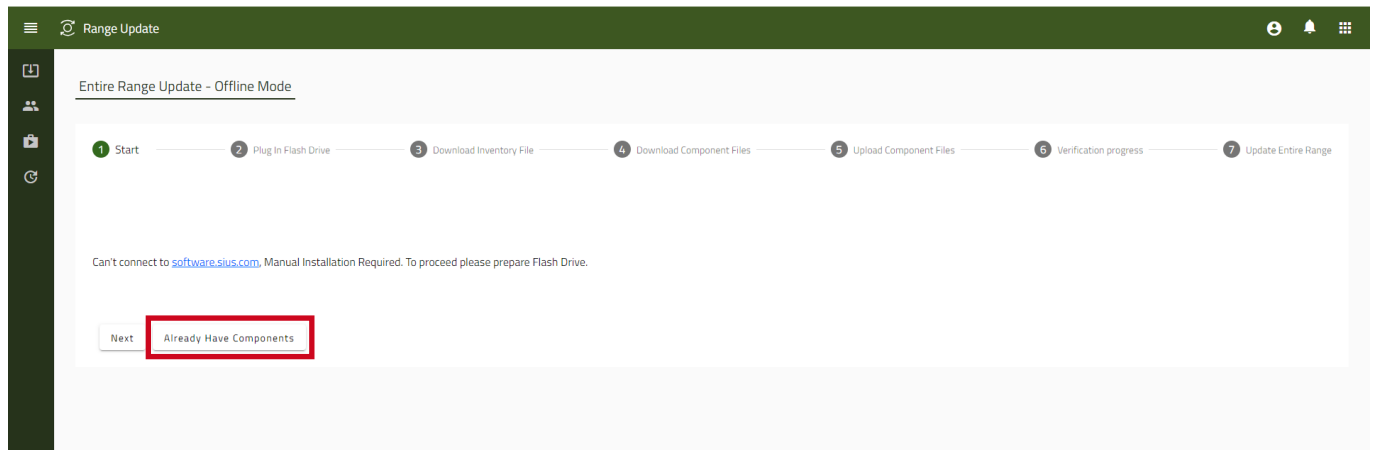
- Upload the inventory file to the homepage
- now a zip file is downloaded with all the available softwareupdates for your shooting range
- save the zip file on the USB stick



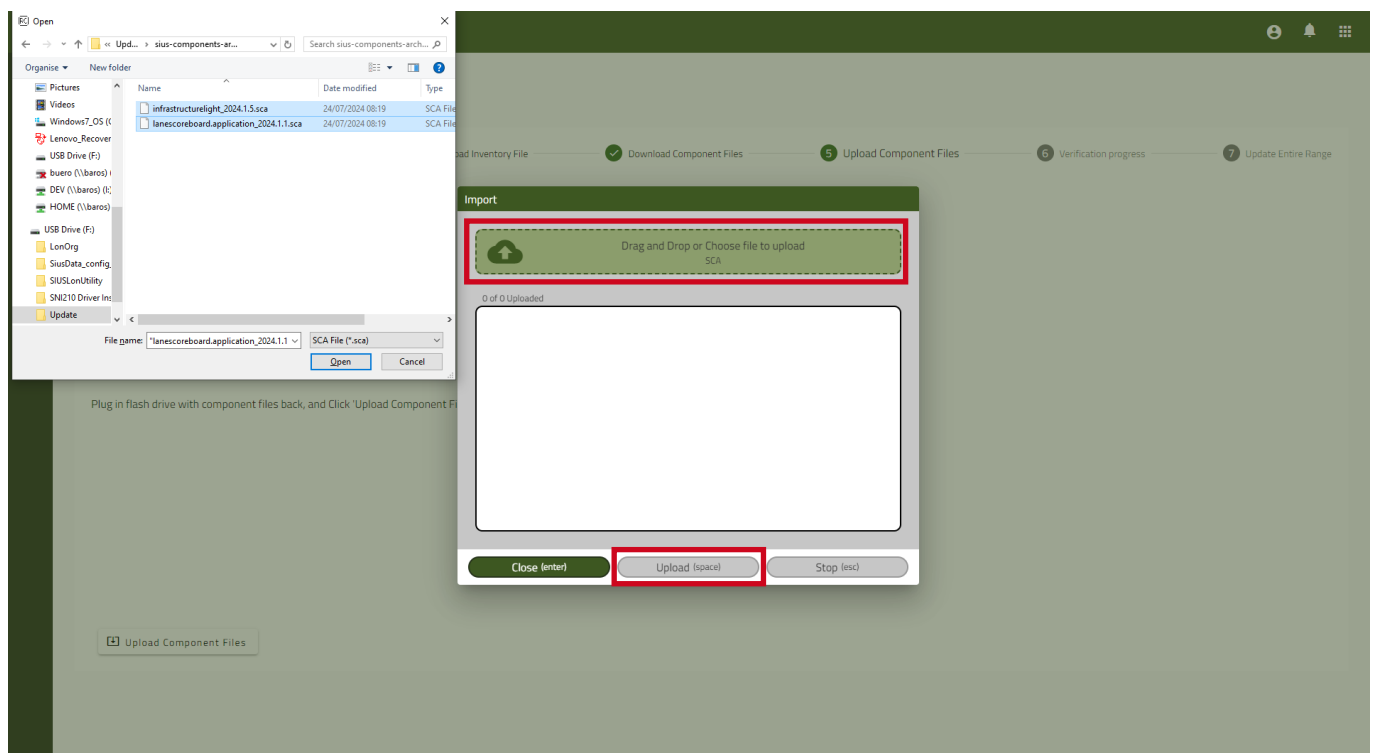
After saving the zip file on the USB stick, plug it off and go back to your shooting range.

Back at the range follow the steps:

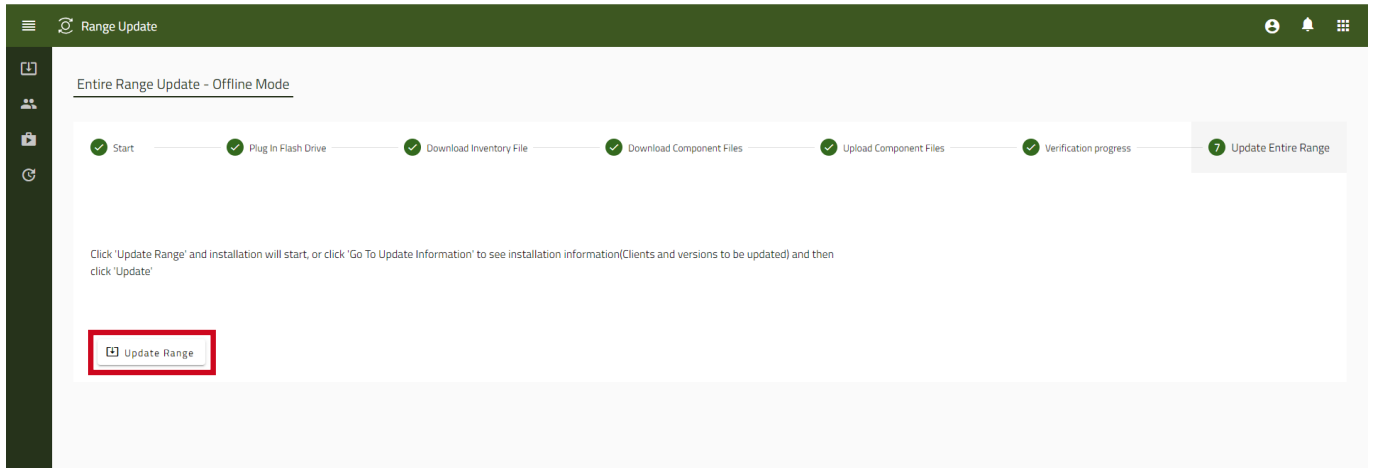
- Plug in your USB stick
- Unzip the file you downloaded before (Rightclick on the zip-file > press Extract all)
- Navigate to Mainmenu>Range Update > Update Range.
- Click on "Already have components"



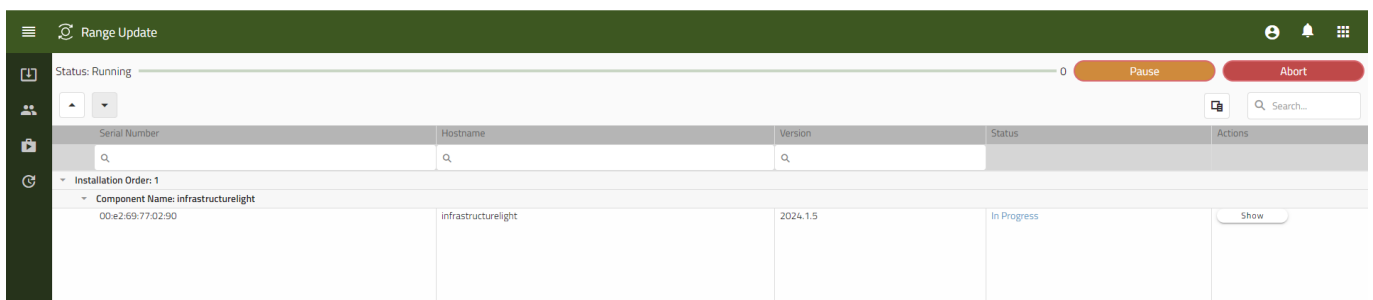
- on the next page proceed with clicking on "Upload Component Files"
- then select all update files
- and upload them



- as soon as all update files are uploaded, confirm the next page with "Next"
- now you can start the update by clicking "Update Range"
- The Update will run automatically



The state of the update is shown in the progress bar on top of the site.

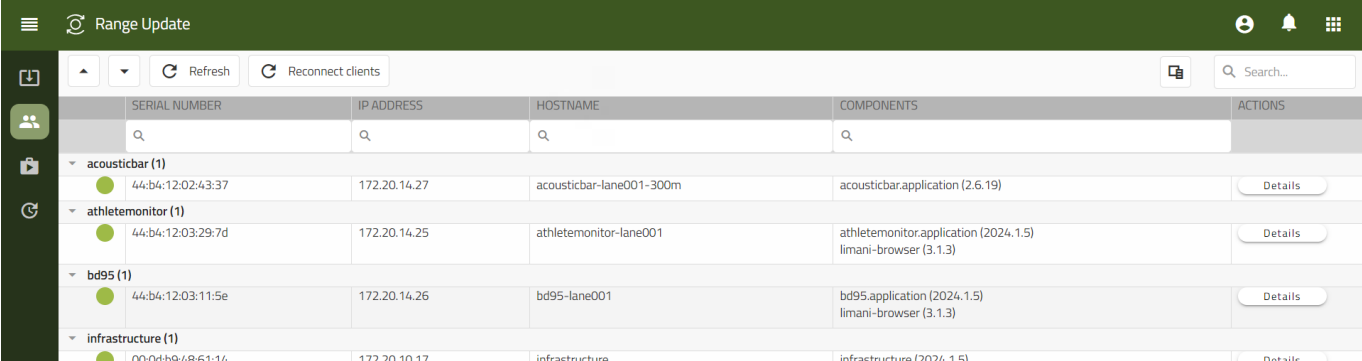


**Info:** The Infrastructure will be updated first, then the other servers and devices follow.

The whole update process can take up to an hour, during this time all devices must stay powered on. During the update process several restarts of the servers and devices are possible.

## Clients

List of all devices and servers with their current software version.  
By clicking on "Details" more details will be displayed if available.



	SERIAL NUMBER	IP ADDRESS	HOSTNAME	COMPONENTS	ACTIONS
acousticbar (1)	44:b4:12:02:43:37	172.20.14.27	acousticbar-lane001-300m	acousticbar.application (2.6.19)	Details
athletemonitor (1)	44:b4:12:03:29:7d	172.20.14.25	athletemonitor-lane001	athletemonitor.application (2024.1.5) limani-browser (3.1.3)	Details
bd95 (1)	44:b4:12:03:11:5e	172.20.14.26	bd95-lane001	bd95.application (2024.1.5) limani-browser (3.1.3)	Details
infrastructure (1)	00:04:b9:68:f1:16	172.20.10.17	infrastructure	infrastructure (2024.1.5)	Details

## Store

Software packages that have been installed in the current version are stored here.  
Software packages can be manually uploaded to the store and then installed individually.

## Installation Jobs

List of current and previous installations.  
Old Installation Jobs can be deleted.



## Resource Server

### Packages

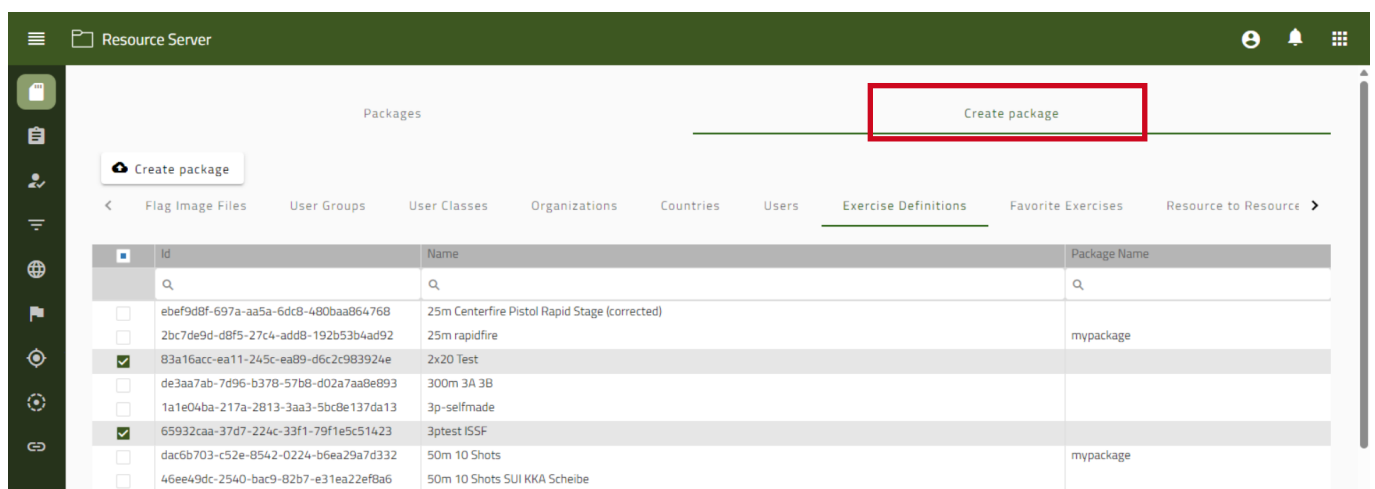
Here various packages can be created, imported or exported.

A package is a collection of various components, such as Users, Exercise Definitions, Organizations, etc.

### Create Packages

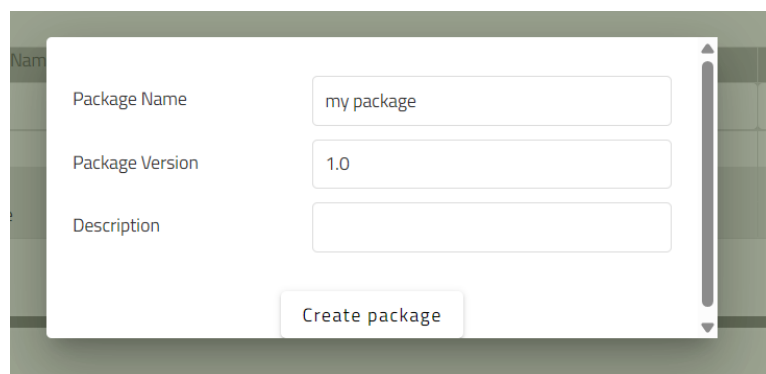
To create a new package, change to the tab "Create package".

Select all components you want to have in your package like Users, Exercise Definitions, etc for later usage.



After selecting all wanted components, press the button "Create package".

In the appearing window, the name of the package and the version has to be filled in before creating it.



If the package is named and a version is set, press the button "Create package" again.

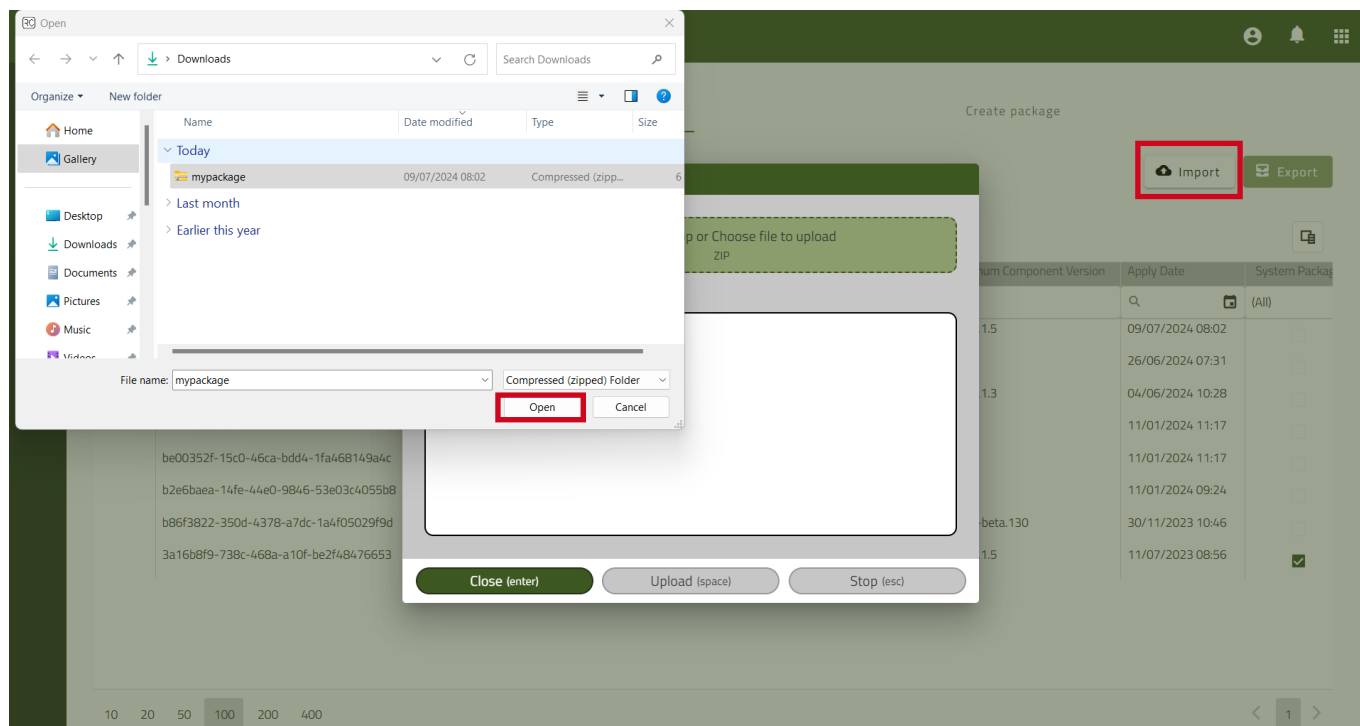
The package will be downloaded automatically within a few seconds.

The file format of the package is a zip file.

## Import Packages

To import a package, press the button "Import".

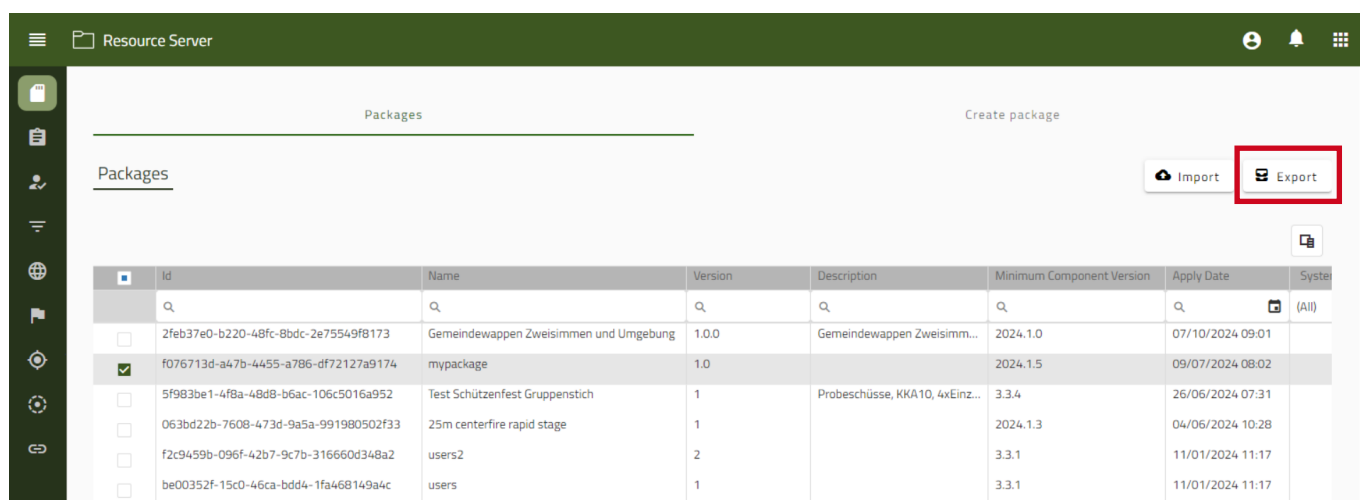
In the following window you can choose the wanted package by clicking once on "Drag and Drop or Choose file to upload" and then search the zip file (package) in your file system.



## Export Packages

To export a package select the ones you want in the list and press export.

The packages will be downloaded as zip files.



## Exercises

In the Exercise Definitions a list of all exercises of the range can be found.

The exercises can be activated or deactivated.

Only active exercises can be selected at the lanes or used for "Favorite Exercises".

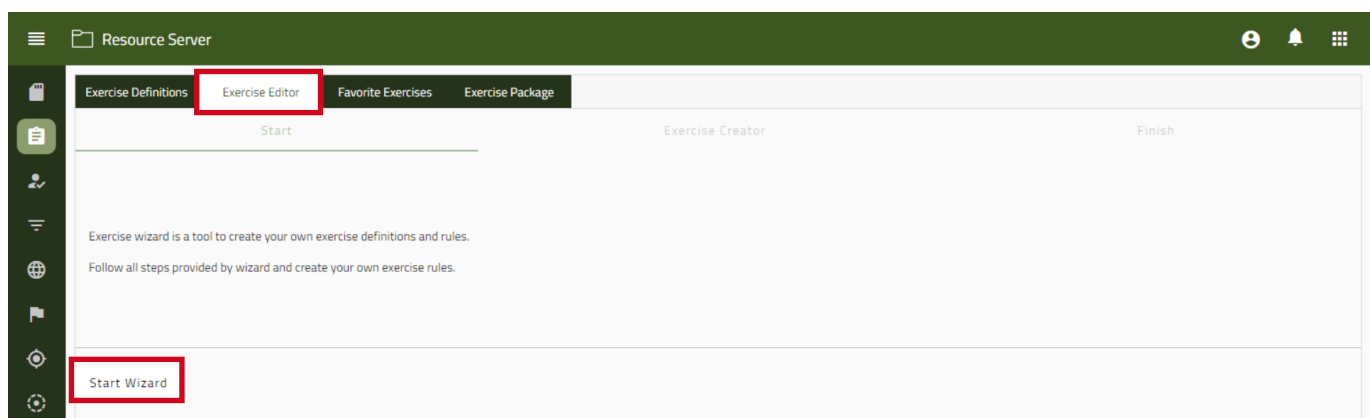
## Exercises Editor

To create an own exercise, change to the "Exercise Editor".

Start the wizard and follow the indicated steps.

Its possible to use an already existing active exercise as a template or you can create a completely new exercise.

More explanation can be found during the creating process within the "Exercise Editor".



## Favorite Exercises

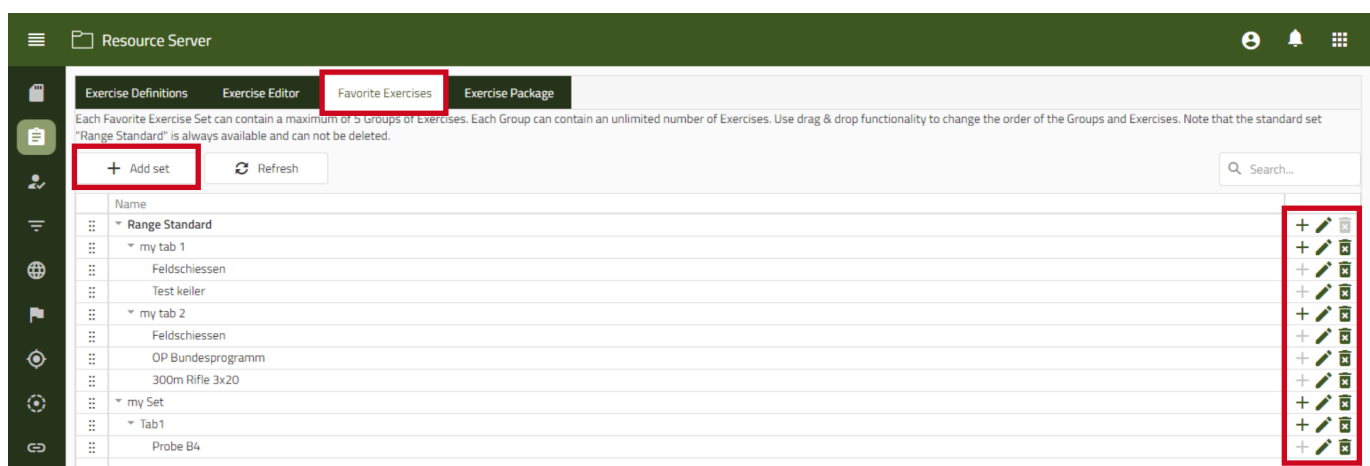
Favorite Exercises can be used to define which exercises are available for selection on the athlete monitors.

Different sets of Favorite Exercises can be defined depending on the organization of the users.

A set of Favorite Exercises can be created by clicking on "+ Add set".

Name the new set and save it, then at least one group (up to five) has to be added to this new set.

In the groups, active exercises can be added.

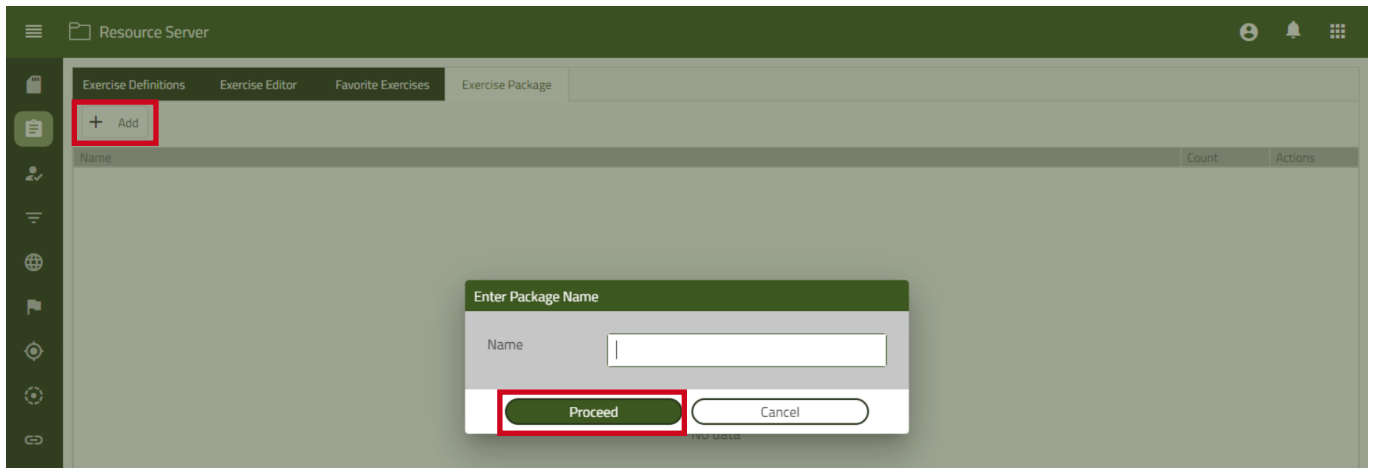


To use your own set of Favorite Exercises, they need to be mapped with the concerning organization in the "User" section of the Resource Server.

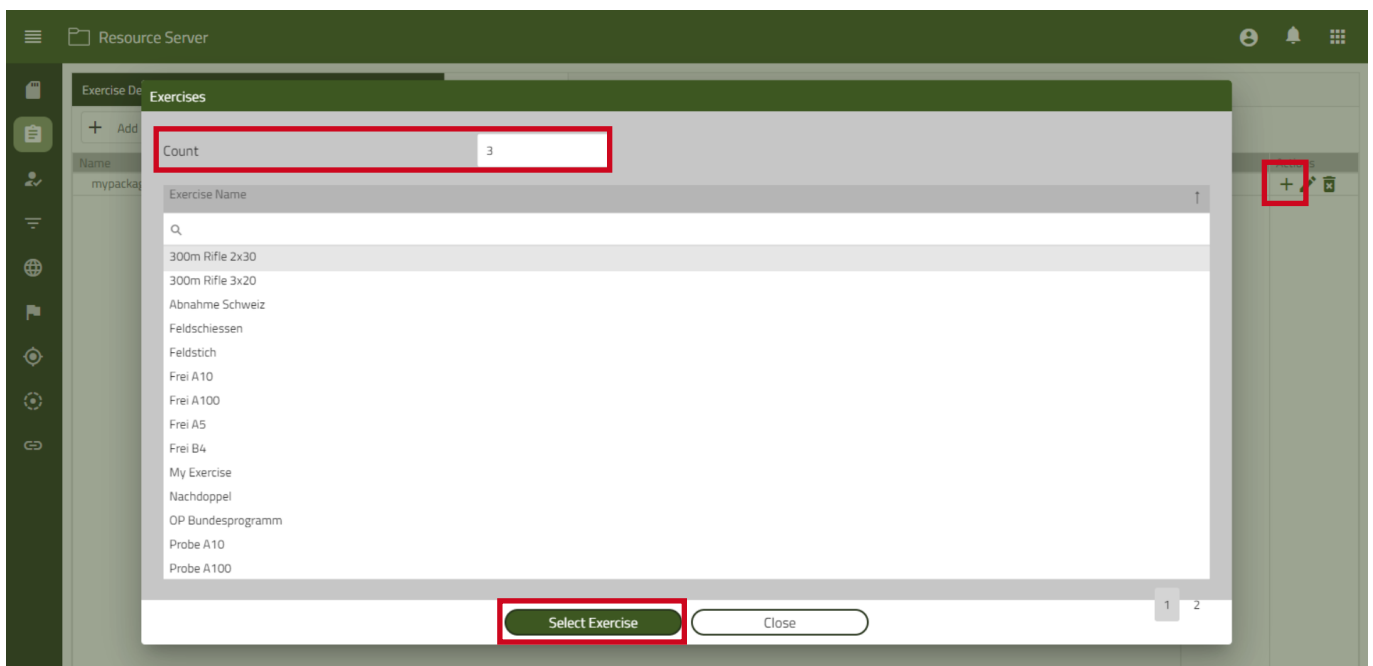
## Exercise Packages

Exercise Packages with several exercises can be created here. These exercise packages can be used with the "Competitions" in the Watchtower.

Press "+ Add" and name the new Exercise Package. With "Proceed" the exercise package is created.



To assign new exercises to the exercise package, press the plus button on the right-hand side of the screen. Select the desired exercise and define the number of possible repetitions. This process must be repeated for each exercise individually.



Once all exercises have been added, the exercise package can be opened and an overview is visible.



## Users

List of users that have been created on the range.  
 Users can be created, edited, exported or deleted.

To create a user, press on the +-button and start fill in the needed information in the table (like in an excel file).  
 The mandatory fields (ID, Name, First Name, Organization) are framed in red, if something is missing.

Id	Name	First Name	Display Name	Date of birth	Age	Gender	Organization	Country	User Class	User Group	Actions
111111	Test					(All)	(All)	(All)	(All)	(All)	
1	Johnson	Tony	JOHNSON Tony				Legacy	United States (USA)			
654321	DOE	Jane	DOE Jane				my club	Switzerland (SUI)			
123456	Muster	Max	MUSTER Max				my club	Switzerland (SUI)			

## Organizations

Also custom Organization can be created. The approach is the same as creating a new user, press the +-button and fill in the desired name. An Organization can be mapped with a Set of Favorite Exercises. To do so, click on the Folder at the end of the concerning row. If no set of Favorite Exercises is mapped, all active exercises are available for selection at the athlete monitors.

Name	Package Name	Favourite Exercise Set	Actions
my club	mypackage	my Set	
Lane Users Organization	ResourceserverStockPackage-2024.2.0-beta.99	Range Standard	
Legacy	ResourceserverStockPackage-2024.2.0-beta.99	Range Standard	
Cloud User Legacy Compatible	Package	Range Standard	

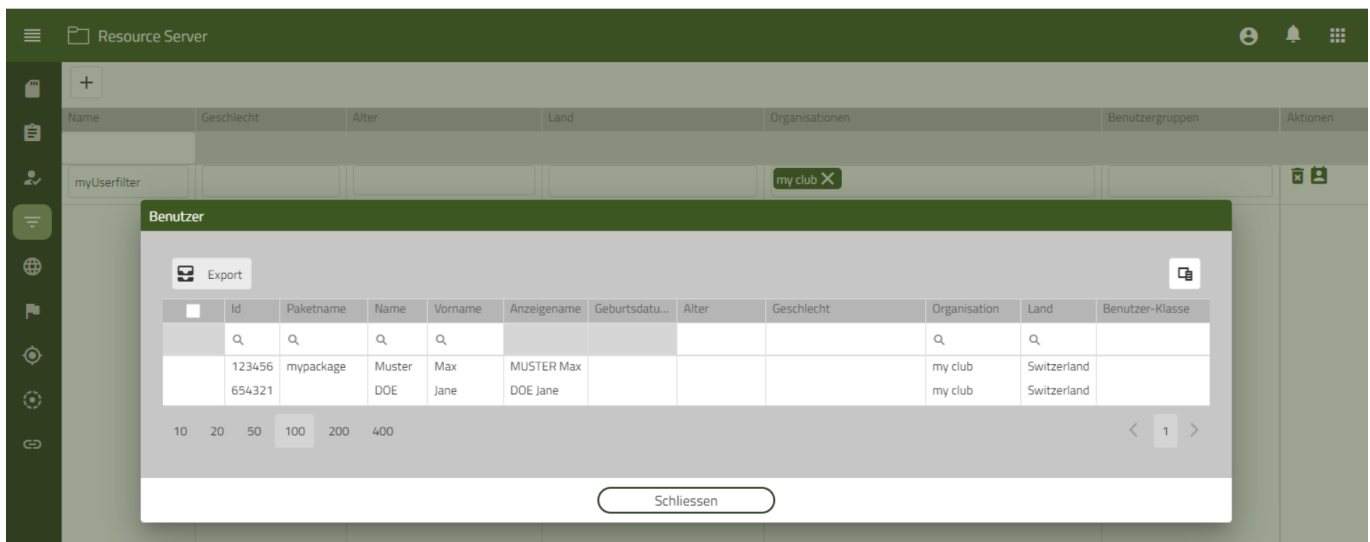
## Userfilter

Userfilters can be used for the “Competitions” function in the Watchtower.

After creation (click on the + button), filters can be set as desired.

For example, all users of the “my club” organization.

By clicking on the “Select athlete” icon, all users affected by the filter can be displayed.

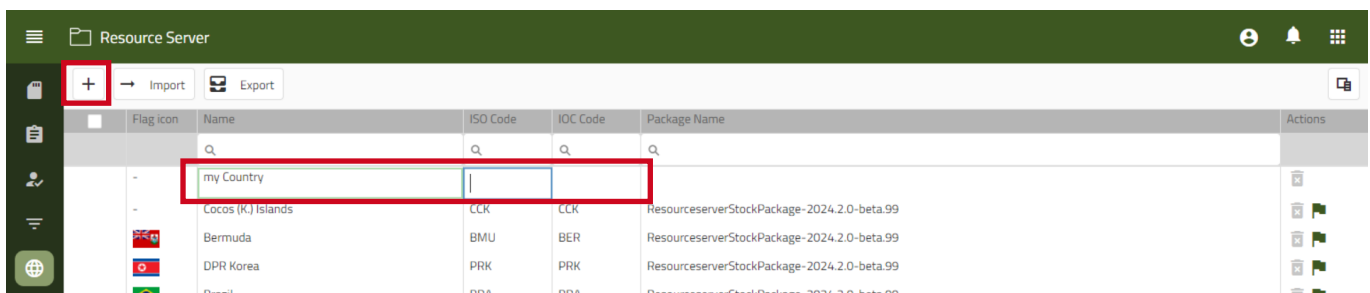


## Countries

List of nations.

Customized nations can be added by clicking on the +-button.

Add the name, ISO code and IOC code to the newly added row.



## Flag Images

List of several flags.

To add a custom flag, you have to import a new flag with a package or write an e-mail to the SIUS-support with the desired flag.

## Target Definitions

List of available target images with their scoring methods.

## Weapons

List of various weapons.

The list can be extended by importing packages.

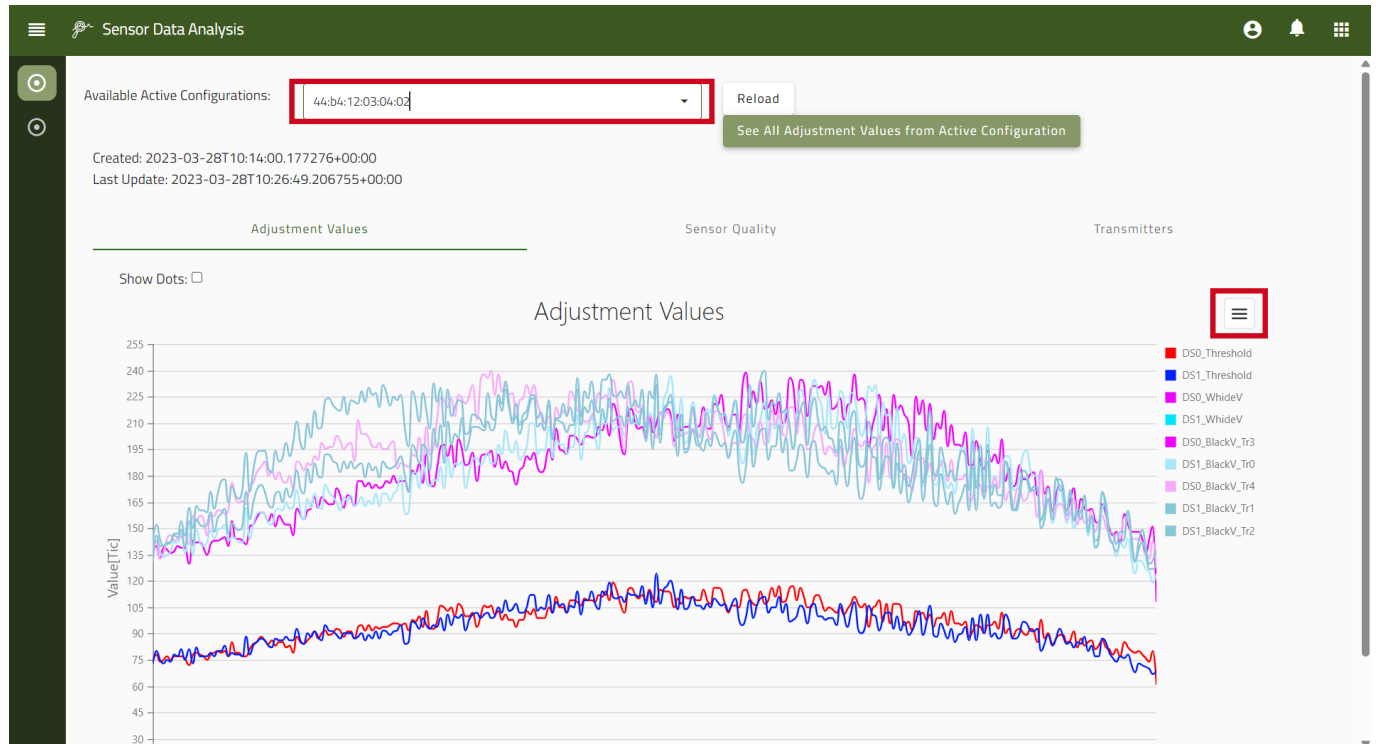
## Mappings

Various relationships are displayed here.

## Sensor Data Analysis

Data of specific optical targets can be analysed here.

Choose the desired target in the dropdown list to show its data.



There are several possibilities to analyze the data, Adjustment Values, Sensor Quality and Transmitters. The different data are organized in different tabs.

As an option the various data can be downloaded and saved as PDF or pictures, by clicking the hamburger menu button on the right.

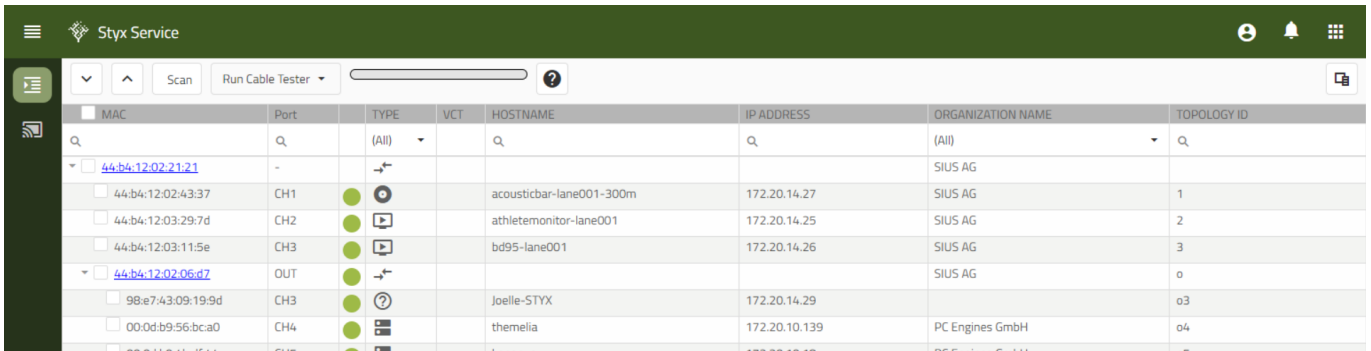
## STYX Service

### STYX Tree

The STYX Tree shows the topology of the connected STYX devices.

By rightclicking on a selected device, it's possible to power off or power on a device (or several, when multiple are selected).

A cable tester can be executed.

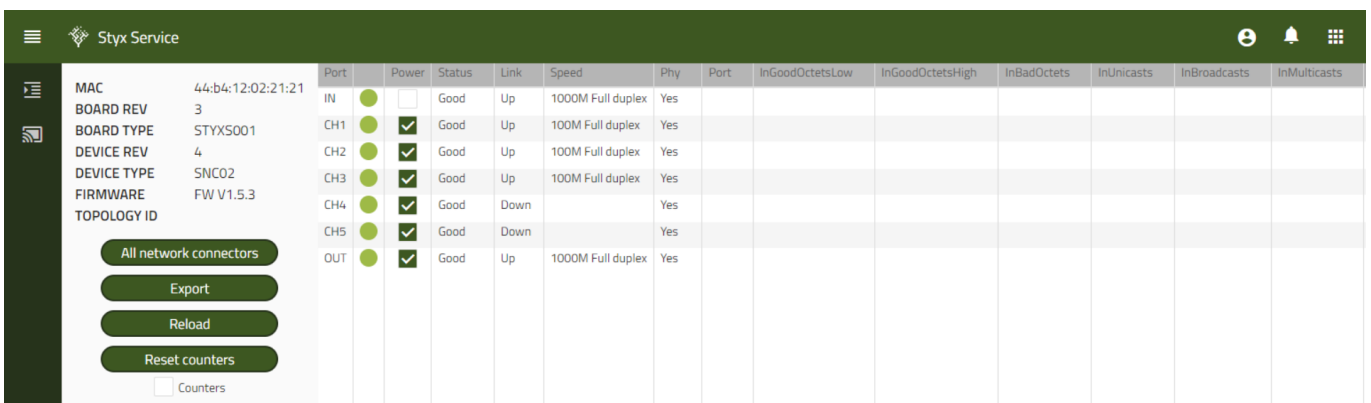
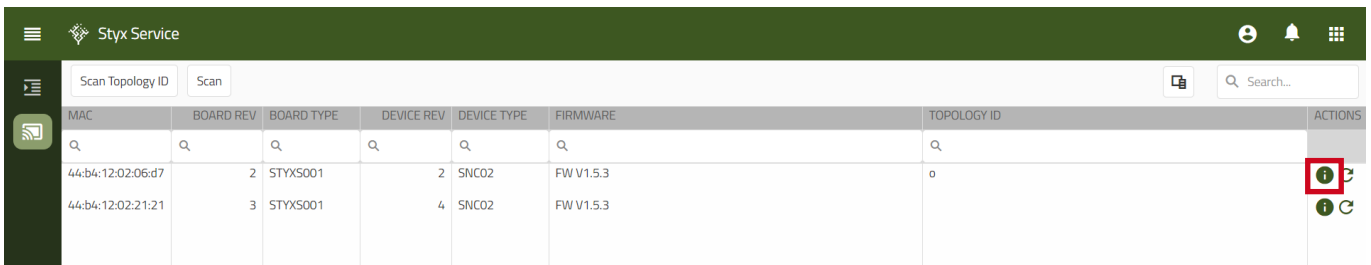


### Network Connectors

List of all used network connectors.

By clicking on the Details-Button more details about the connectors are listed.

The power output of single channels of a connector can be deactivated or activated.





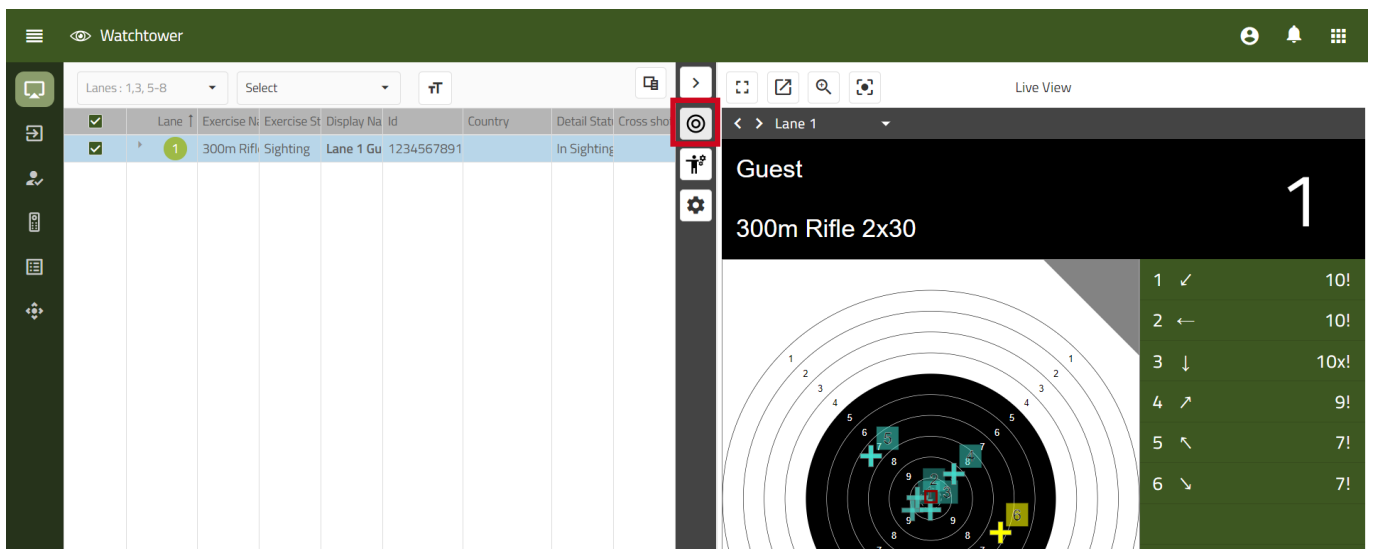
## Watchtower

### Range Control

Overview and control of the range.  
Various settings for exercise control.

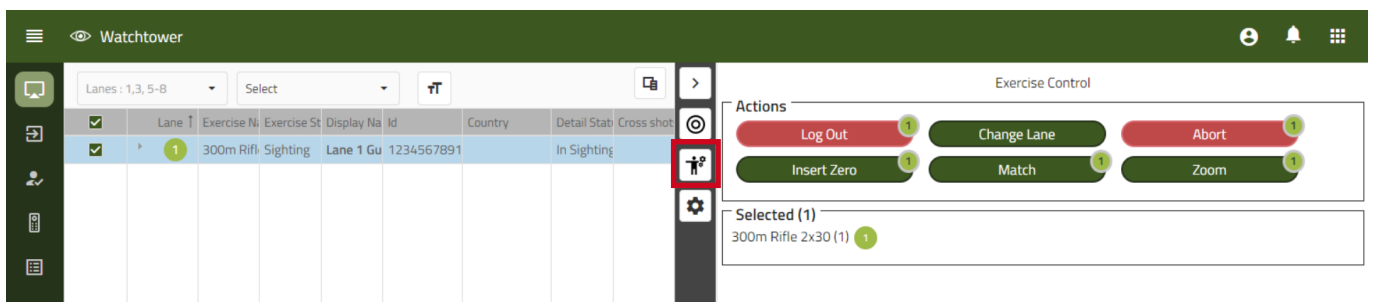
### Live View

In the Live View the target is displayed like on the athlete monitor.  
Are several lanes selected, it is possible to switch between the views. Only one lane can be showed.



### Exercise Control

In the section "Exercise Control" some actions can be done (they can vary depending on the exercise).  
If more than one lane is selected, the actions are done for all selected lanes.

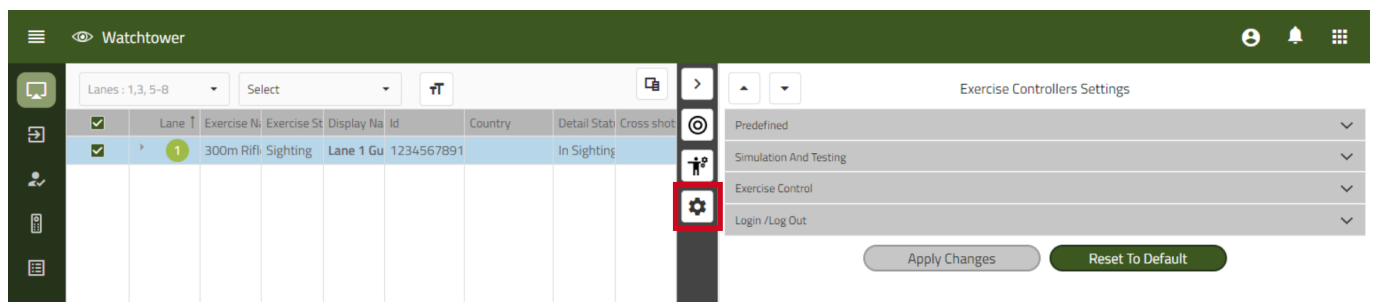


## Exercise Controller Settings

In the "Exercise Controller Settings" various settings can be set (e.g. Log out duration)

- **Predefined:** predefined exercises/weapons can be set
- **Simulation And Testing:** activate demomode for testing
- **Exercise Control:** settings about remote controlled monitors and enabled shotsensors
- **Login/Log Out:** various settings for login possibilities and log out times

All these settings can always be reset to default.



## Assign

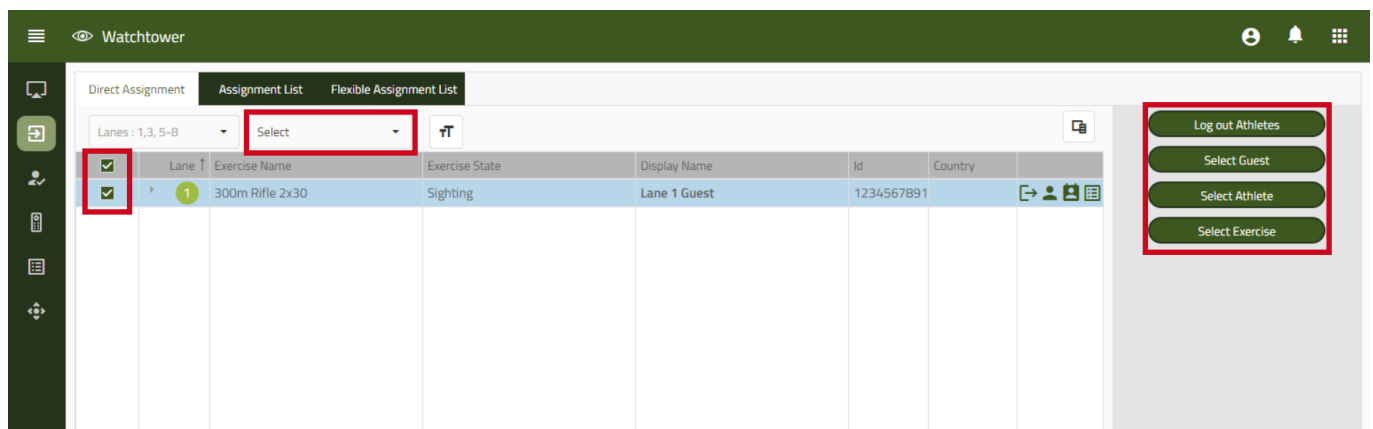
Assignment of exercises, users and lanes.

Several options for assignment, like direct assignment, assignment list or flexible assignment list.

### Direct Assignment

To assign an athlete or a guest to a lane you have to be in the "Assign" section.

- Select the lane you want.  
Lanes can be selected manually or by using the dropdown menu "Select".
- Press the button "Select Guest" or "Select Athlete" to occupy the lane.  
If several lanes are selected, "Select Athlete" is not available. A user can only be assigned once.
- After assigning the Users select the desired exercise by pressing "Select Exercise".
- When the users have finished with shooting, they can be logged out (button "Log out Athletes").

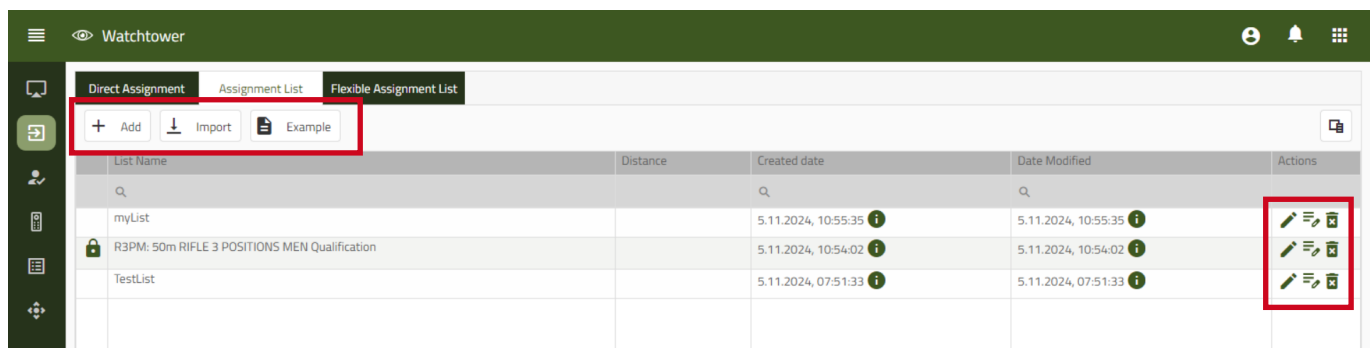


### Assignment List

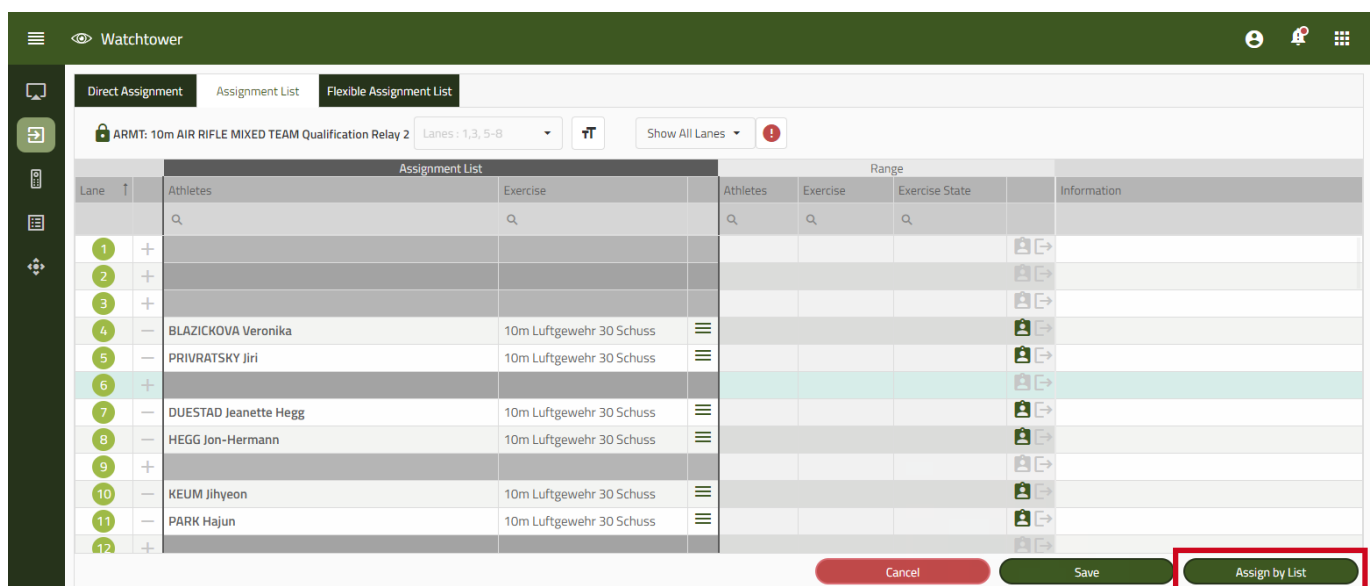
There are three different ways to create an Assignment List:

- Manually directly in the Range Cockpit by pressing the +-button.  
After the List is created, each User has to be assigned individually.  
(Also via a + button within the list)
- Import a csv-file (an example file can be downloaded and edited)
- Create an Assignment List with SIUS Rank (Link)  
If SIUSRank is connected correctly with the STYX network, an Assignment List can be created by clicking on "Prepare Watchtower Assignment List". Some seconds later, in the Range Cockpit - Watchtower- Assign a new Assignment List is created (signed with a padlock).

To work with an Assignment List, open the list by doubleclicking, or click on symbol with the pencil in the center.



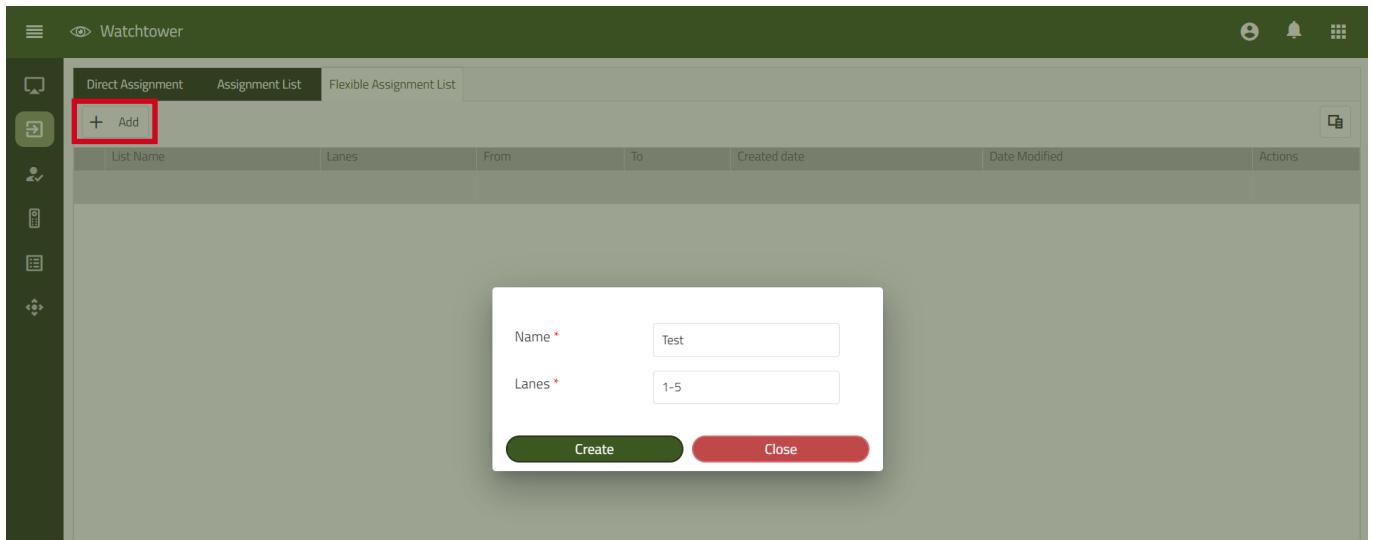
In the newly opened window all lanes of the Assignment List with the related users and exercises are displayed. To assign all the users and exercises to the according lanes press the button "Assign by List". You can edit an Assignment List, e.g. change a user or change the lane (in case of malfunction).



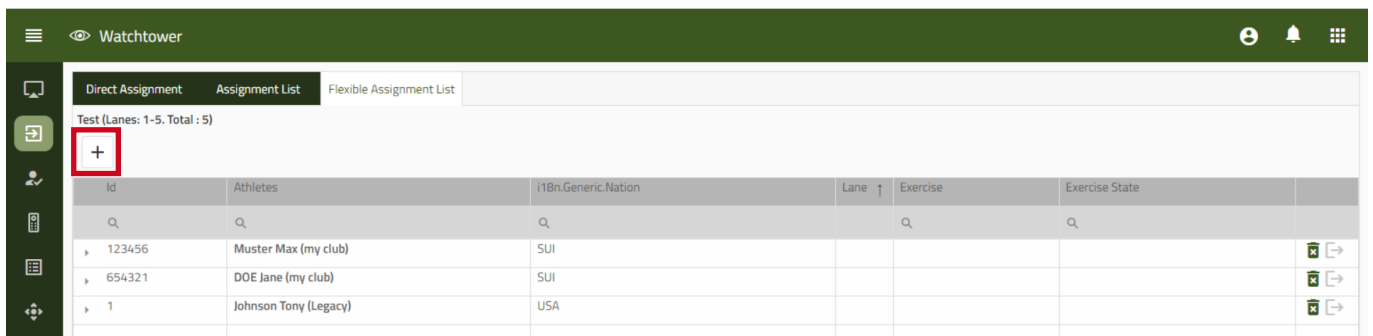
## Flexible Assignment List

With Flexible Assignment Lists it is possible to define how many times a user can shoot a specific exercise. Mainly this functionality is designed for use with external programmes, but it's also possible to create a Flexible Assignment List manually.

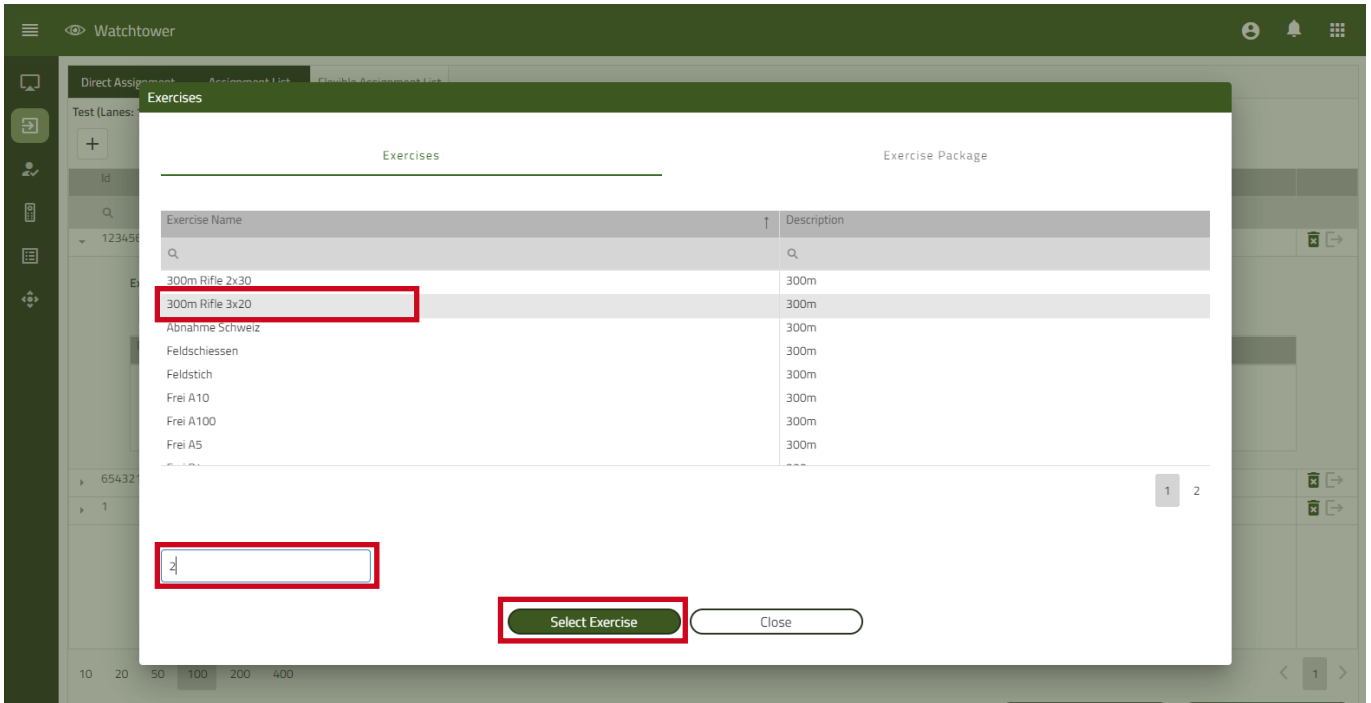
- To create a new Flexible Assignment List press "+ Add".
- Name the event and define the used lanes (e.g. 1-5).



- To add users, open the according Flexible Assignment List and add users by pressing the +-button.
- Then select the desired user (each user has to be added separately, multiple selection is not possible)



- To add exercises expand the according user and press the +-button within the expanded area.
- Select the exercise and define the possible count of repetitions

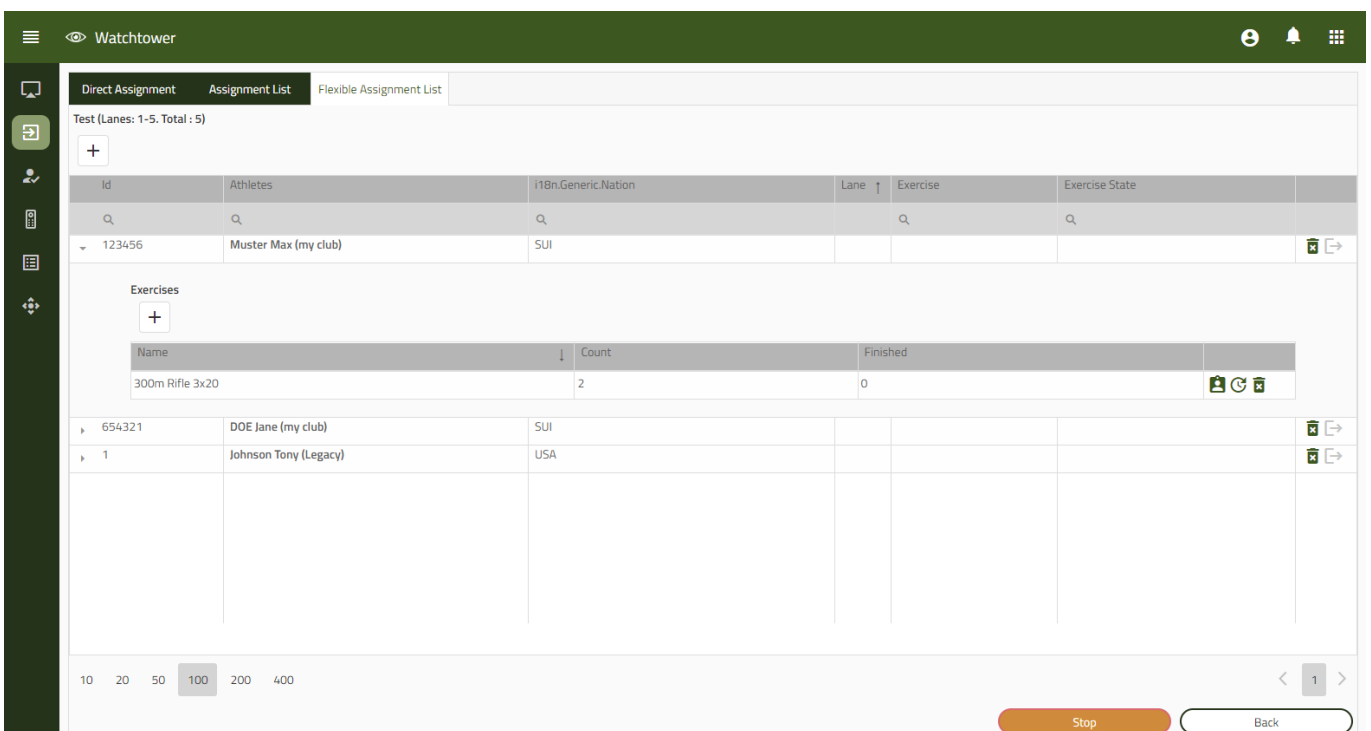


A Flexible Assignment List can only be used, if its active.

Open the according Flexible Assignment List to activate the List (the list rests active also when you leave the site).

If a Flexible Assignment List is active, the affected lanes cannot be used for regular shooting.

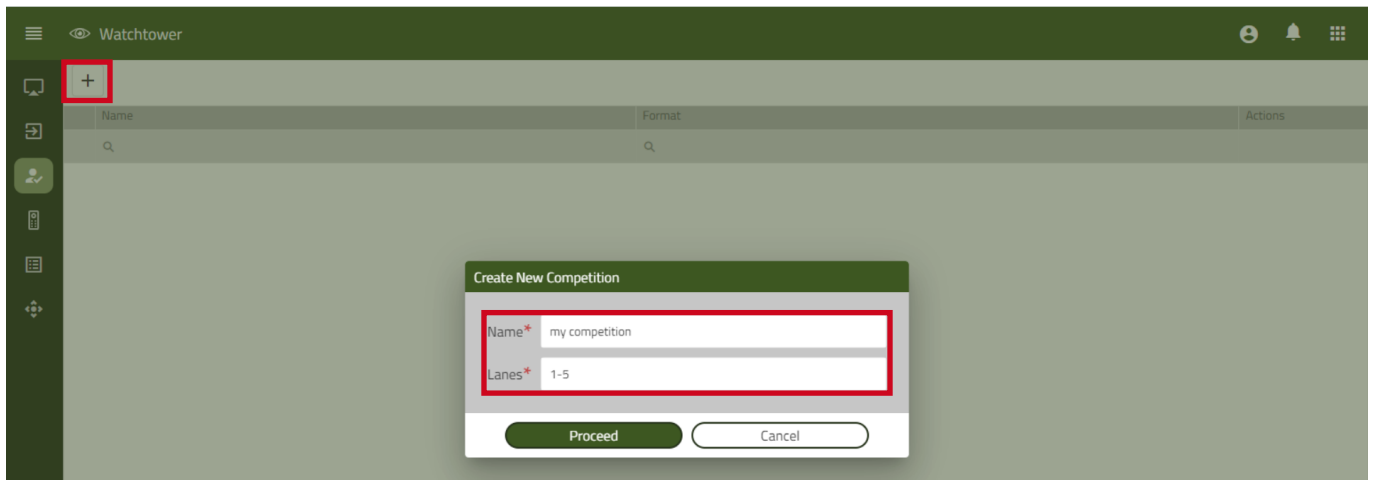
As soon as the Flexible Assignment List isn't used anymore, it has to be stopped manually.



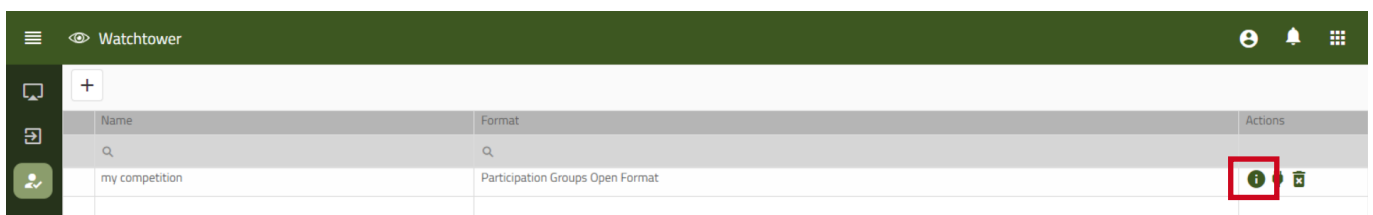
## Competitions

Competitions can be created here in which users are allowed to shoot certain exercises multiple times (e.g. prize shooting). These competitions are based on flexible assignment lists.

A new competition is created by clicking on the + button. The name and the used lines must be defined.



Once the competition has been created, it can be edited by clicking on the Details icon.

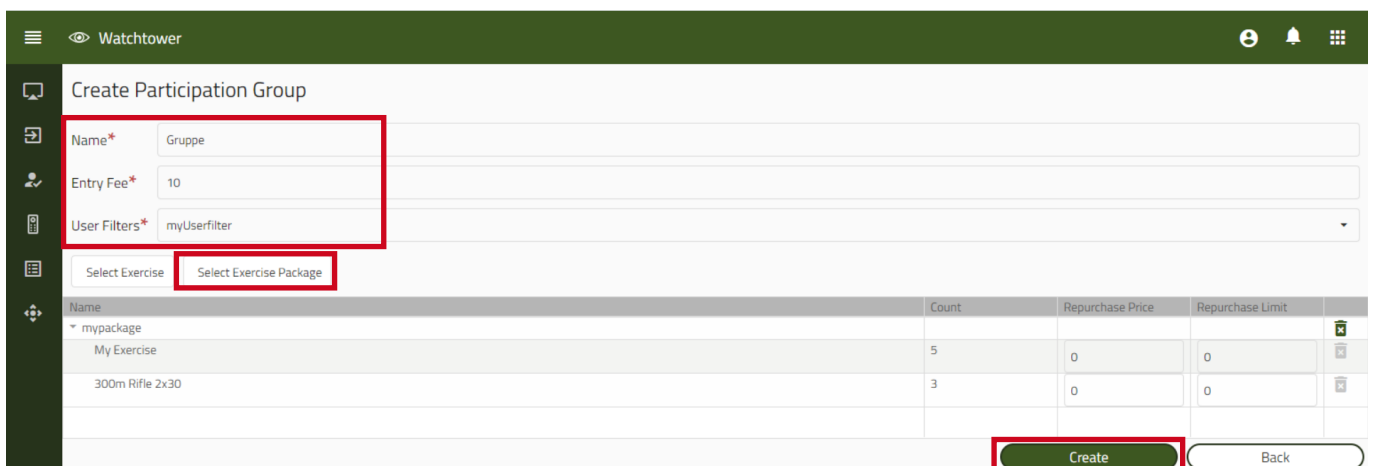


## Participation Groups

Before the competition can be activated and used, at least one participation group must be added.

When adding new participation groups, a user filter (must be created previously in the resource server) must be selected and an entry fee specified. The desired exercise packages (must be created in the resource server previously) must also be selected.

Then create the participation group. Several participation groups can be added per competition.



After creating the participation group, the participants are added to the participation group by clicking on the right symbol. Once they have been added, the number of participants is displayed in brackets behind the user filter.

Name	User Filters	Entry Fee	Exercises	Repurchase Price
Gruppe	myUserfilter (4)	10	Package: mypackage	Package: mypackage: 300m Rifle 2x30 - 0 Package: mypackage: My Exercise - 0

## Participants

All participants of all participation groups are listed in the Participants tab.

Details of the individual participants can be viewed, so you can check how many repetitions an individual participant still has available, the number of repetitions can be adjusted here for individual users.

If the competition is active, a participant can be assigned to a lane.

Id	Name	First Name	Display Name	Age	Participation Groups	Lane	Exercise	Exercise State	Credit
654321	DOE	Jane	DOE Jane		(All)				0
123456	Muster	Max	MUSTER Max		Gruppe				-10
+		Name		Total	Open				
		My Exercise		7	6				
		300m Rifle 2x30		3	3				
1026	HERNANDEZ	Rodrigo	HERNANDEZ R.		myGroup2				-1
1989	FIORI	Peter Matthew	FIORI P.		myGroup2				-1

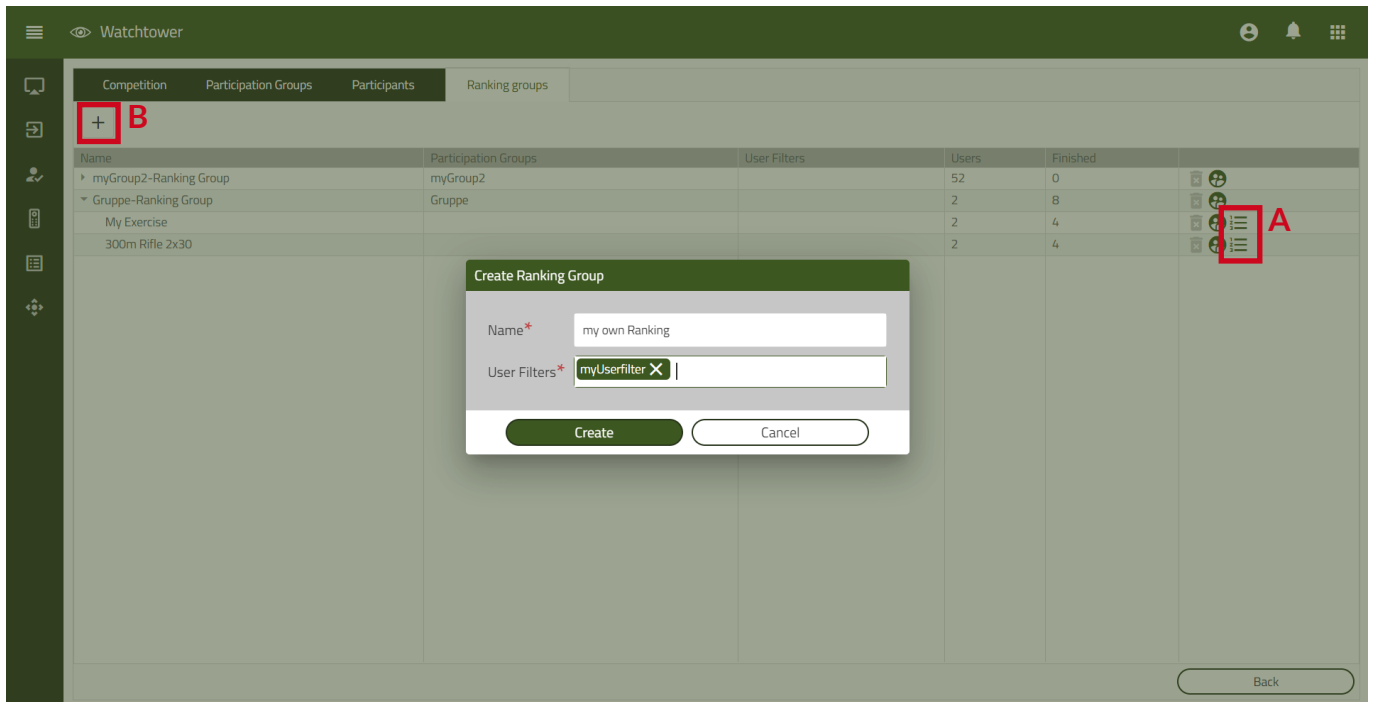
By clicking on the dollar symbol, the paid amount of the participant can be entered.

This optional function has no impact on the competition and can be ignored.

## Ranking Groups

The results per exercise can be displayed in the ranking groups (A).

User-defined ranking groups can be created by clicking on the + button (B) (e.g. separate rankings for men and women). User filters are used to filter ranking groups as well.



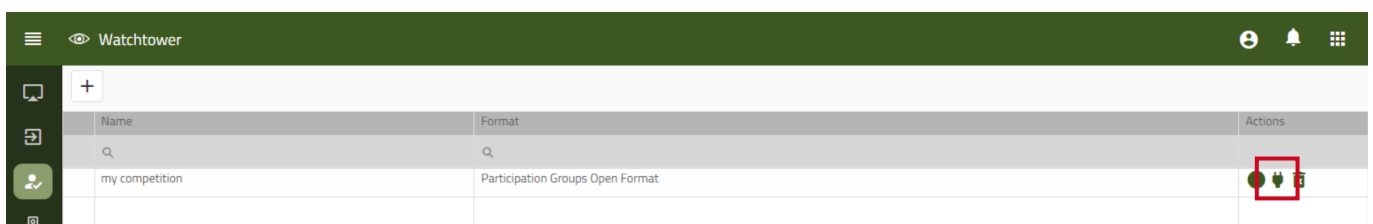
## Activate Competition

Once all participation groups have been created and the exercises assigned, the competition can be activated.

During an active competition, the defined lanes of the competition are blocked for regular shooting.

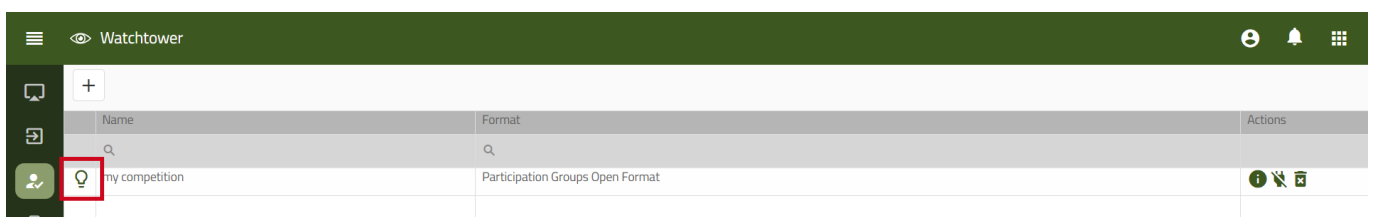
The competition is activated by clicking on the plug icon.

Once the competition has ended, it must be deactivated manually (click again on the plug symbol) so that the lanes are released for normal shooting again.



If a competition is active, this is indicated by a light bulb symbol in front of the competition.

In the Assign section, the lanes that are reserved for the active competition are marked.

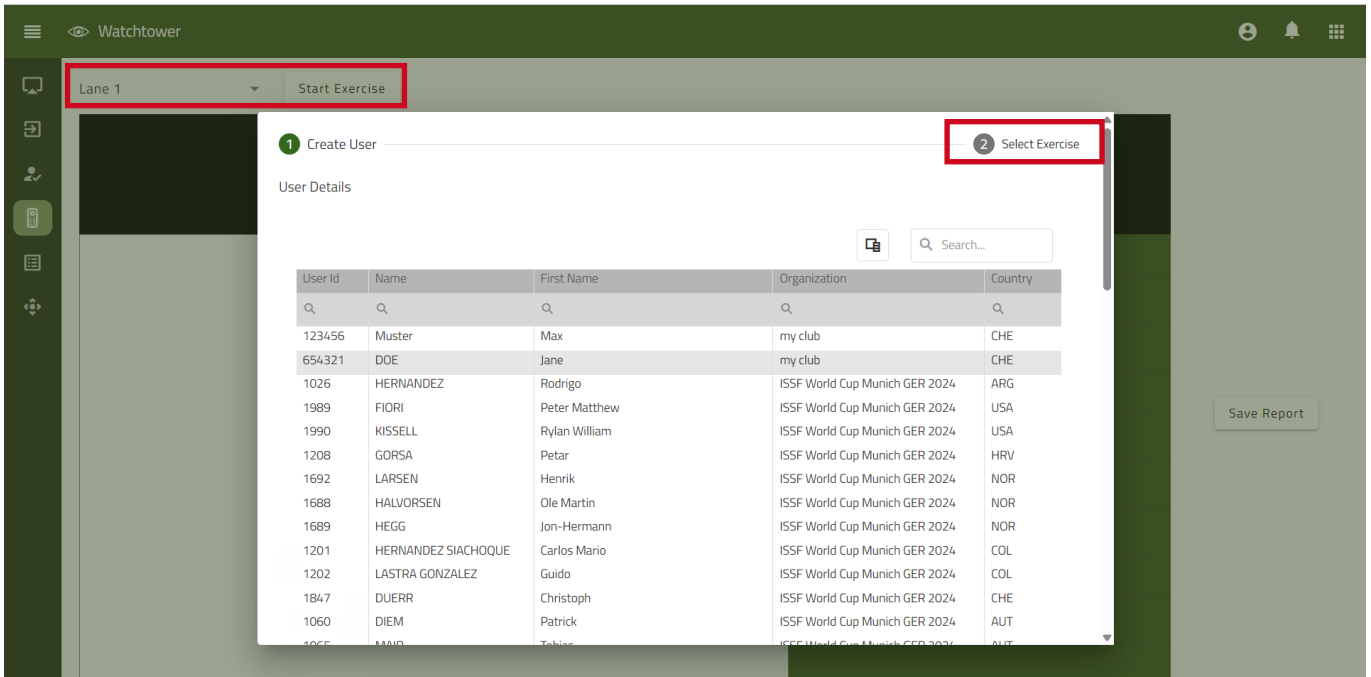




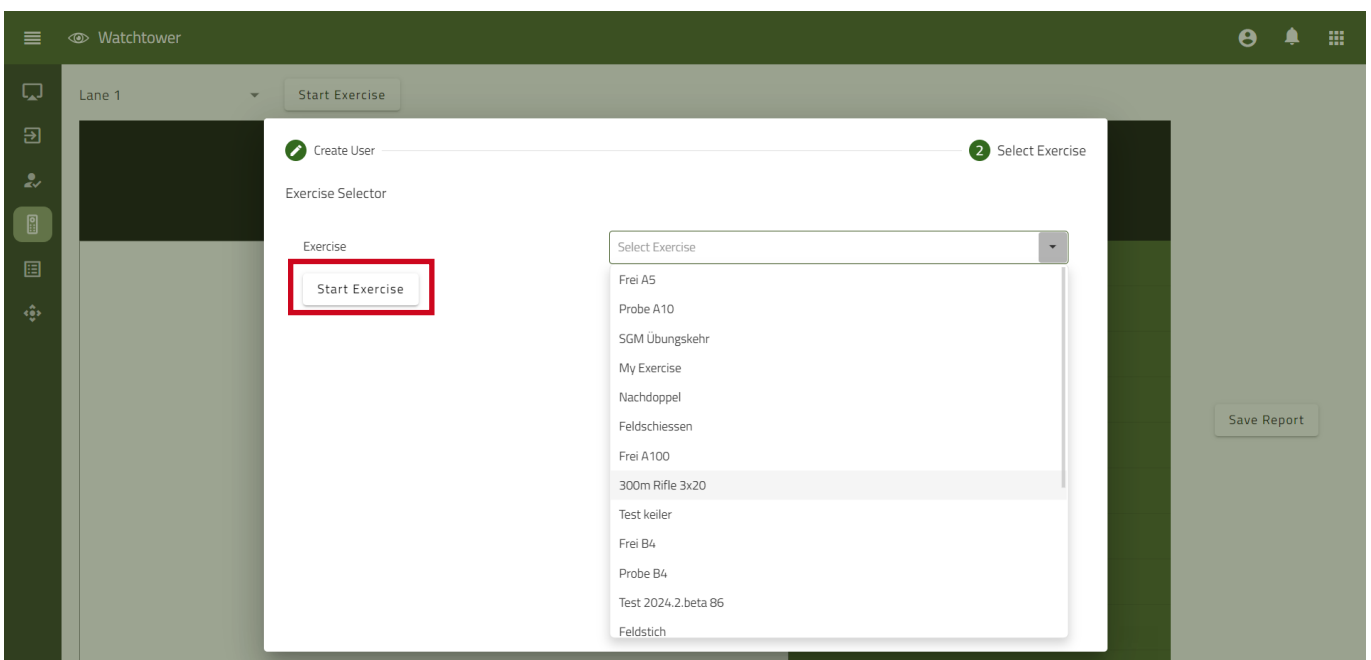
## Lane View

In the Lane View user and exercises can be assigned to a specific lane. Multiple assignments for more than one lane is not possible.

- select the lane and press "Start Exercise"
- choose the wanted user (if no user is selected, the Guest User will be logged in)
- switch to "Select Exercise"



- select the desired exercise in the dropdown
- and click "Start Exercise"



Depending on the started exercise different buttons are available on the right side.

These three buttons always stay the same:

- **Stop User Session:** Log out the logged in user and abort the running exercise
- **Abort:** Stops the running exercise, the user stays logged in
- **Save Report:** Download the Exercise Report



## Results

The reports of the exercises are stored here. They are sorted by user or they can be shown as a list of all results.

## Users

To show all the stored results of a user, click on the "Details" button.

The screenshot shows the 'Users' tab in the Range Cockpit interface. The table below lists the following data:

User Id	Name	First Name	Organization	User Group	User Class	Country	Actions
654321	DOE	Jane	my club			CHE	
123456	Muster	Max	my club			CHE	
2	Smith	Bob	Legacy			USA	
1	Johnson	Tony	Legacy			USA	
1677	GIRLLIS	Karlie	ISSE World Fun Munich GER 2024			ITL	

After clicking on the "Details" button all available results of the user are listed.

The following actions can be executed:

- **Report:** The report of the exercise opens in an integrated PDF viewer. The file can be downloaded or printed
- **Send to Range Printer:** The report is sent to the range printer
- **Add Comment:** Add a specific comment about the exercise report

Exercise History : Max Muster - 123456

Start Exercise Date	Exercise Lane	Exercise Name	Competition Shots	Comment	Actions
15/07/2024 08:52	1	Frei A5	0		[Report] [Send to Range Printer] [Add Comment]
11/07/2024 11:36	1	my exercise with 20 shots	0		[Report] [Send to Range Printer] [Add Comment]

## All Exercises

All exercises of all users (including Guest) are listed in this tab.

The following actions can be executed:

- **Report:** The report of the exercise opens in an integrated PDF viewer. The file can be downloaded or printed
- **Send to Range Printer:** The report is sent to the range printer
- **Change user:** Another user can be assigned to the exercise report (only available with Guest user)
- **Add Comment:** Add a specific comment about the exercise report

All Exercises

Name	First Name	Organization	Lane	Exercise Name	Competition Shots	Exercise Date	Comment	Actions
Muster	Max	my club	1	300m Rifle 3x20	0	06/11/2024 08:28		[Report] [Send to Range Printer] [Add Comment]
Muster	Max	my club	1	300m Rifle 3x20	0	06/11/2024 08:22		[Report] [Send to Range Printer] [Add Comment]
Muster	Max	my club	1	Feldschiessen	0	05/11/2024 11:40		[Report] [Send to Range Printer] [Add Comment]
Guest	Lane 1	Lane Users Organization	1	300m Rifle 2x30	0	05/11/2024 10:29		[Report] [Send to Range Printer] [Add Comment]

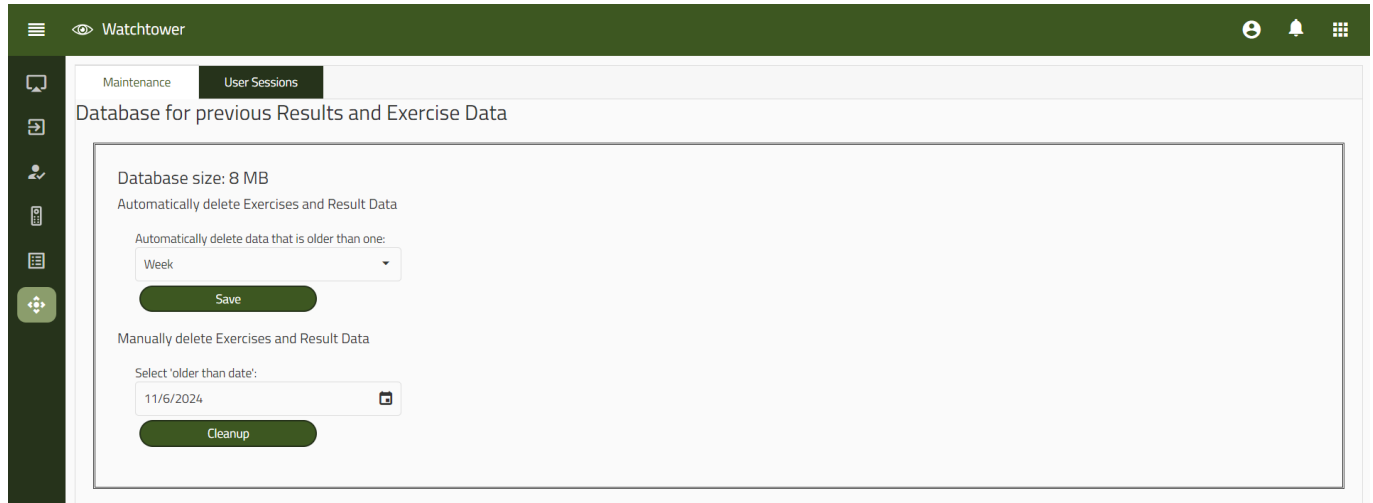
  

Shot Number	Score	Time	Coordinates	Status
Prone				
Sighting Shots				
8	10!	11/5/2024, 10:30:08 AM	29.71/0.98	!
7	9!	11/5/2024, 10:30:07 AM	-57.23/40.84	!
6	8!	11/5/2024, 10:30:07 AM	131.24/-78.07	!
5	10!	11/5/2024, 10:30:07 AM	36.72/12.04	!
4	8!	11/5/2024, 10:30:06 AM	29.06/-150.22	!
3	10!	11/5/2024, 10:30:05 AM	37.91/38.04	!
2	9!	11/5/2024, 10:30:05 AM	-93.98/35.43	!
1	9!	11/5/2024, 10:30:05 AM	-77.05/-1.77	!
Competition Shots				
Kneeling				

## Maintenance

Exercise data (Results) can be deleted here.

The storage period for exercises and results data can be set to a maximum of one year.



A user can be forced to log out in the User Sessions tab.