

# Benutzerhandbuch

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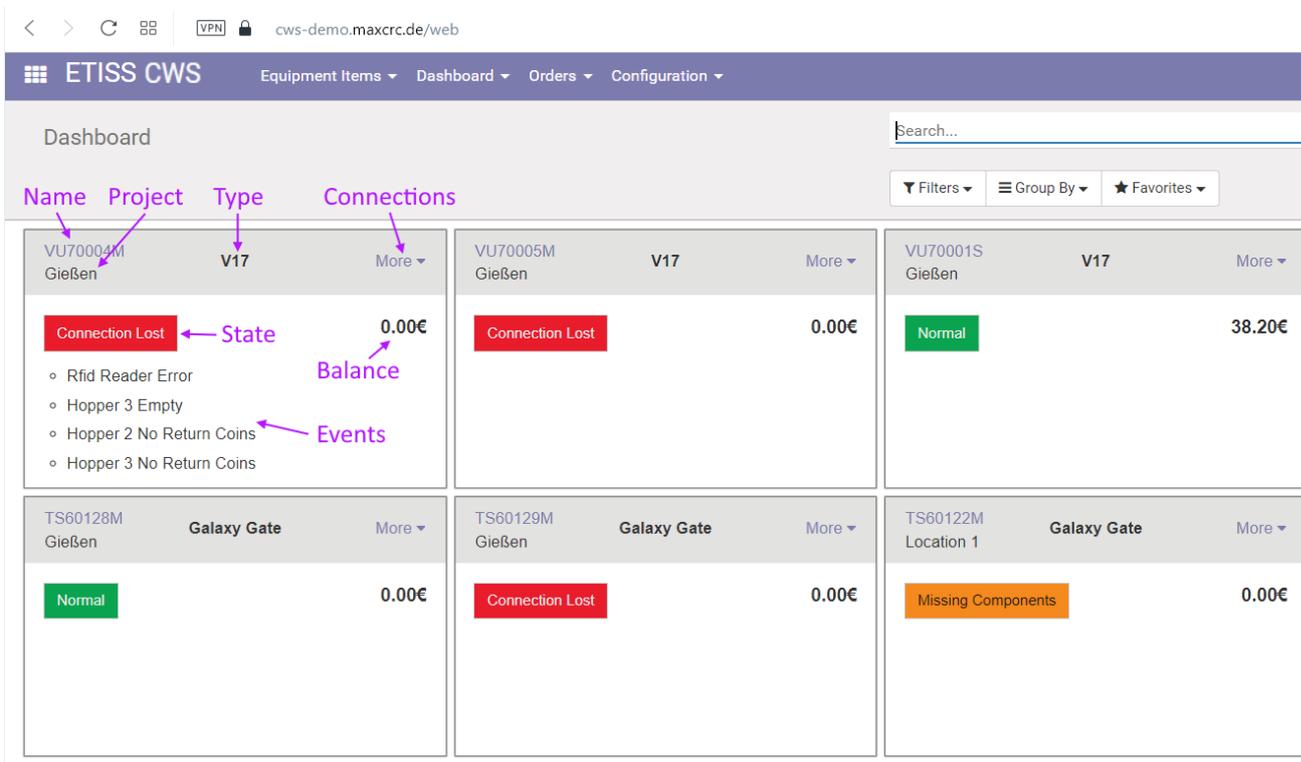
## DASHBOARD

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### Main elements description

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The dashboard is designed to give user a convenient way of managing and controlling equipment items registered in the system. Each dashboard item represents a physical device and consists of the following elements:



The screenshot shows the ETISS CWS dashboard with a grid of equipment items. Annotations in purple point to specific fields:

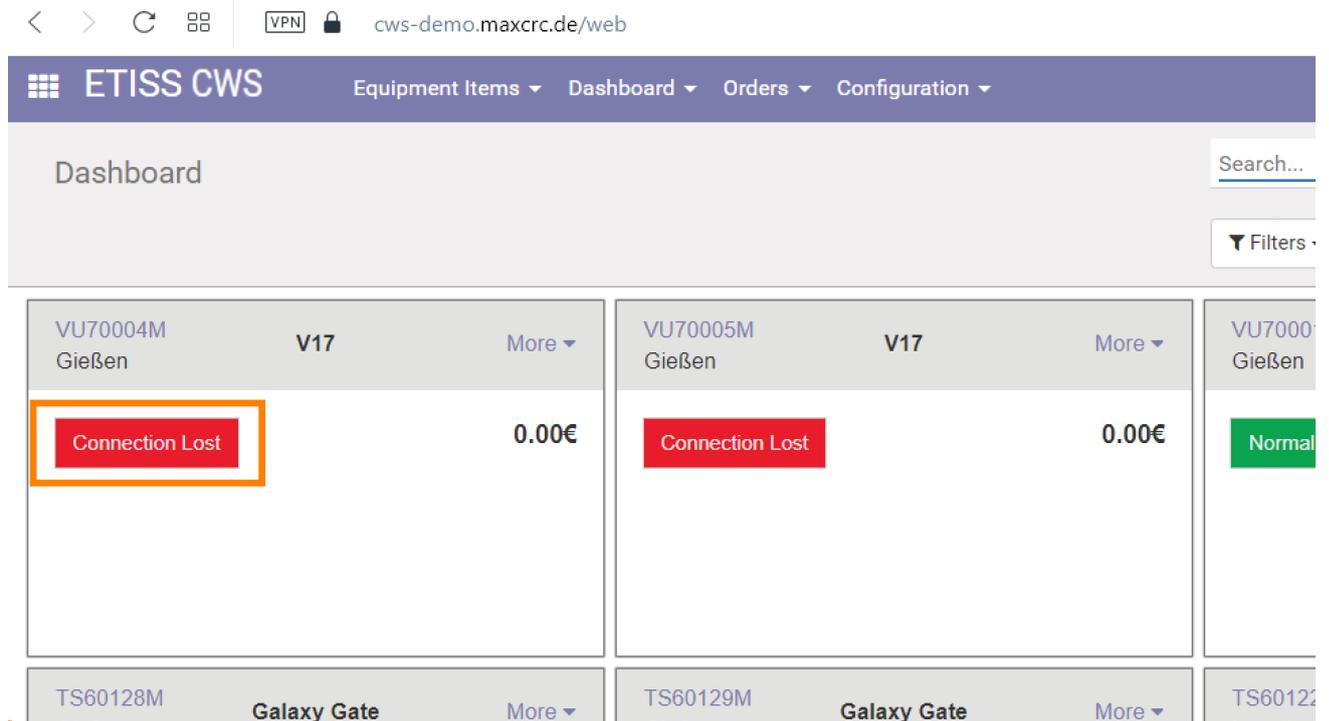
- Name:** Points to the equipment name (e.g., VU70004M Gießen).
- Project:** Points to the project name (e.g., Gießen).
- Type:** Points to the equipment type (e.g., V17).
- Connections:** Points to the 'More' link for connecting to the item.
- State:** Points to the current status (e.g., Connection Lost).
- Balance:** Points to the current amount of money (e.g., 0.00€).
- Events:** Points to the list of recent events (e.g., Rfid Reader Error, Hopper 3 Empty, etc.).

Name	Project	Type	Connections	State	Balance	Events
VU70004M Gießen	Gießen	V17	More	Connection Lost	0.00€	<ul style="list-style-type: none"> <li>Rfid Reader Error</li> <li>Hopper 3 Empty</li> <li>Hopper 2 No Return Coins</li> <li>Hopper 3 No Return Coins</li> </ul>
VU70005M Gießen	Gießen	V17	More	Connection Lost	0.00€	
VU70001S Gießen	Gießen	V17	More	Normal	38.20€	
TS60128M Gießen	Gießen	Galaxy Gate	More	Normal	0.00€	
TS60129M Gießen	Gießen	Galaxy Gate	More	Connection Lost	0.00€	
TS60122M Location 1	Gießen	Galaxy Gate	More	Missing Components	0.00€	

- **Name:** Equipment item name.
- **Project:** A project to which this equipment item belongs.
- **Type:** Equipment item type. In case of Vending Units, this can be either V21 or V7, or other modifications.
- **Connections:** This link allows to quickly connect to the item either with ssh, or VNC and check the status.
- **Balance:** In case of VU, shows the current amount of money in the Vending Unit.
- **Events:** Shows the list of events that have happened recently.
- **State:** Displays current state of the equipment item.

## VU state and events

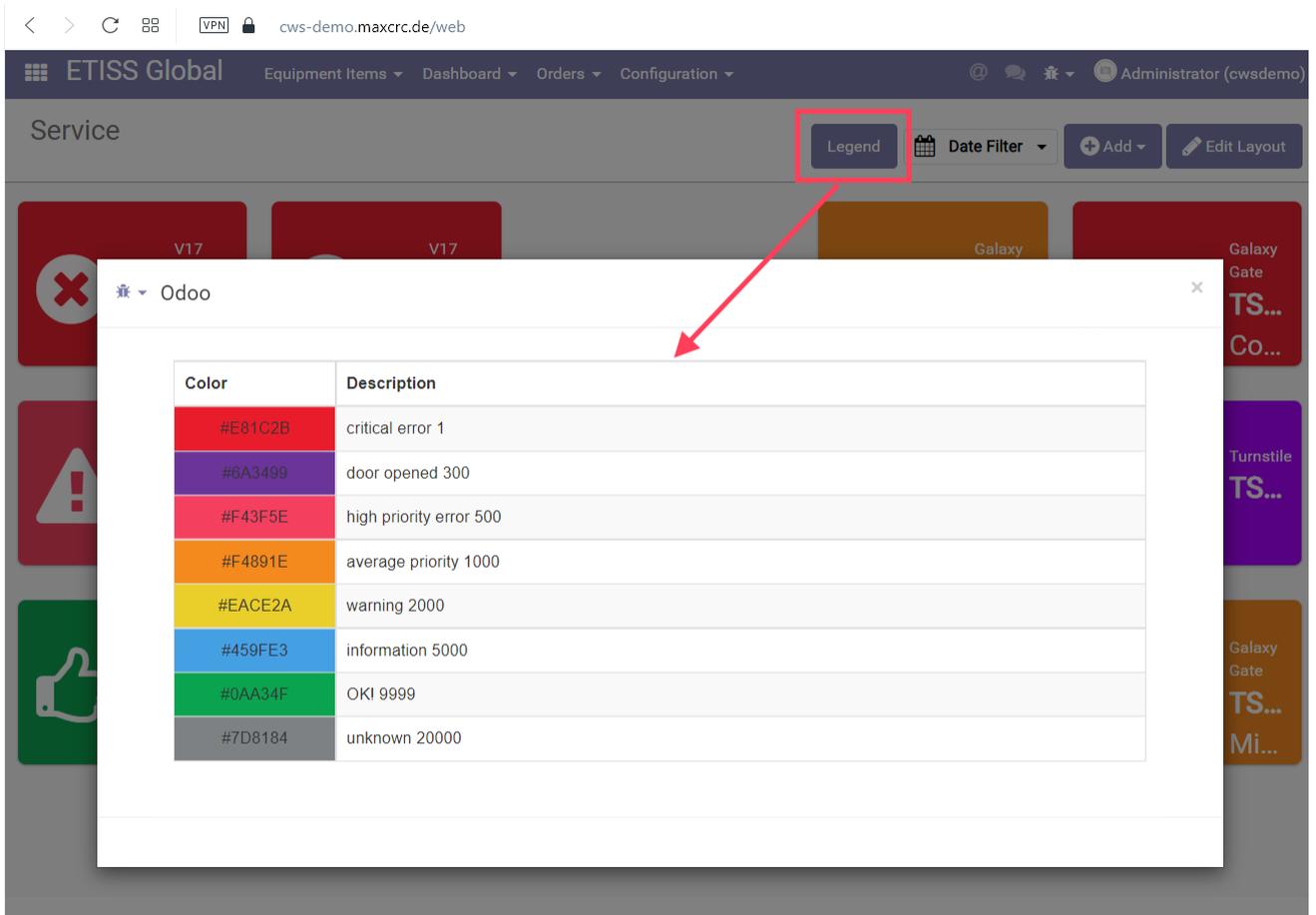
When something happens with Vending Unit or other equipment, it sends an event to the server. You can view current status of the unit and events that happened earlier by pressing a button on the dashboard:



The screenshot shows a web browser window with the URL `cws-demo.maxcrc.de/web`. The page title is "ETISS CWS" and the navigation menu includes "Equipment Items", "Dashboard", "Orders", and "Configuration". The main content area is titled "Dashboard" and contains a table of equipment items. The table has columns for item ID, name, status, and price. Two items are highlighted with red boxes: "VU70004M Gießen" and "VU70005M Gießen", both showing a "Connection Lost" status and a price of "0.00€". A third item, "VU7000 Gießen", shows a "Normal" status. Below these, the start of another row for "TS60128M Galaxy Gate" is visible.

Item ID	Name	Status	Price
VU70004M	Gießen	Connection Lost	0.00€
VU70005M	Gießen	Connection Lost	0.00€
VU7000	Gießen	Normal	
TS60128M	Galaxy Gate		

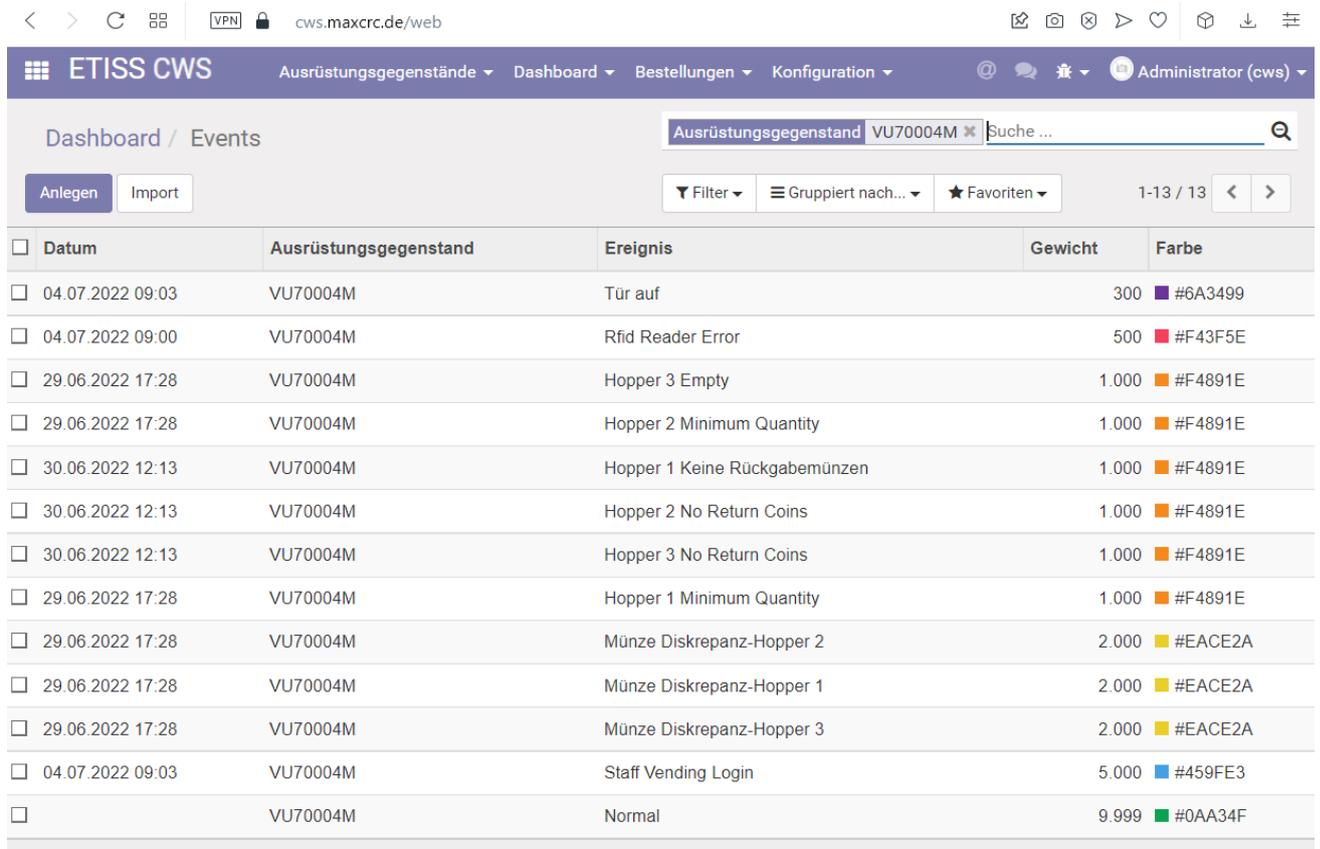
Each event in the list is color-coded and has different weight. More reddish colors have bigger weight and need to be checked immediately. You can see detailed colors description by pressing on the "Legend" button.



The screenshot shows the ETISS Global web interface. A 'Legend' dialog box is open, displaying a table of error codes and their descriptions. The table has two columns: 'Color' and 'Description'. The background interface includes a navigation bar with 'Equipment Items', 'Dashboard', 'Orders', and 'Configuration' menus, and a user profile for 'Administrator (cwsdemo)'. A red box highlights the 'Legend' button in the top right corner of the interface, with a red arrow pointing to the dialog box.

Color	Description
#E81C2B	critical error 1
#6A3499	door opened 300
#F43F5E	high priority error 500
#F4891E	average priority 1000
#EACE2A	warning 2000
#459FE3	information 5000
#0AA34F	OKI 9999
#7D8184	unknown 20000

The events list can be sorted by date and weight.



Dashboard / Events

Ausrüstungsgegenstand VU70004M Suche ...

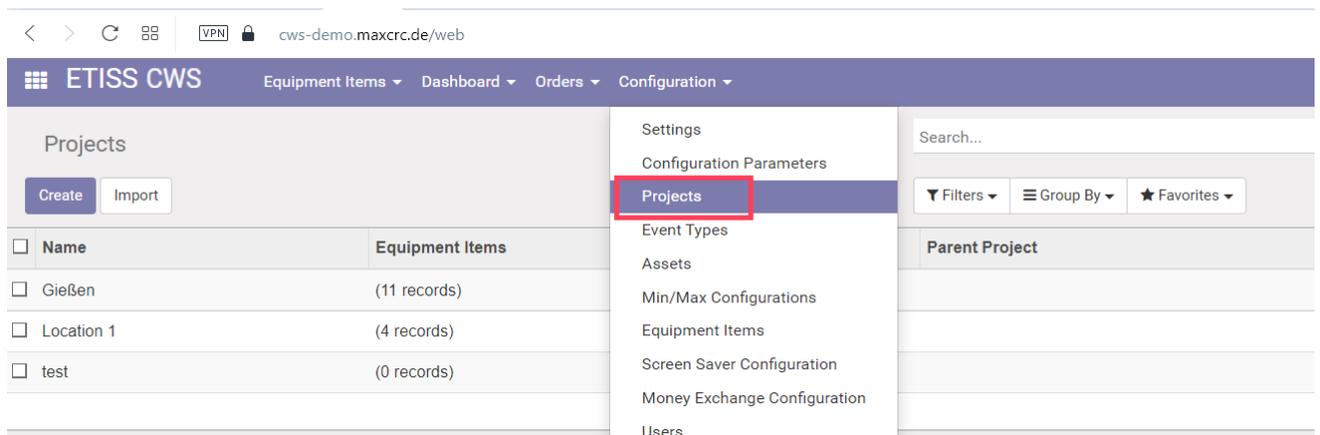
Anlegen Import

Filter Gruppieren nach... Favoriten 1-13 / 13

Datum	Ausrüstungsgegenstand	Ereignis	Gewicht	Farbe
04.07.2022 09:03	VU70004M	Tür auf	300	#6A3499
04.07.2022 09:00	VU70004M	Rfid Reader Error	500	#F43F5E
29.06.2022 17:28	VU70004M	Hopper 3 Empty	1.000	#F4891E
29.06.2022 17:28	VU70004M	Hopper 2 Minimum Quantity	1.000	#F4891E
30.06.2022 12:13	VU70004M	Hopper 1 Keine Rückgabemünzen	1.000	#F4891E
30.06.2022 12:13	VU70004M	Hopper 2 No Return Coins	1.000	#F4891E
30.06.2022 12:13	VU70004M	Hopper 3 No Return Coins	1.000	#F4891E
29.06.2022 17:28	VU70004M	Hopper 1 Minimum Quantity	1.000	#F4891E
29.06.2022 17:28	VU70004M	Münze Diskrepanz-Hopper 2	2.000	#EACE2A
29.06.2022 17:28	VU70004M	Münze Diskrepanz-Hopper 1	2.000	#EACE2A
29.06.2022 17:28	VU70004M	Münze Diskrepanz-Hopper 3	2.000	#EACE2A
04.07.2022 09:03	VU70004M	Staff Vending Login	5.000	#459FE3
	VU70004M	Normal	9.999	#0AA34F

## Projects

Each equipment item can belong to a certain project. You can configure projects in "ETISS CWS" -> "Configuration" -> "Projects" menu. Once you add an item to a project, you can limit visibility of the project items for certain users by assigning a user to the project. After that, each user will be able to see and work only with equipment items that belong to a certain project.



Equipment Items Dashboard Orders Configuration

Projects

Create Import

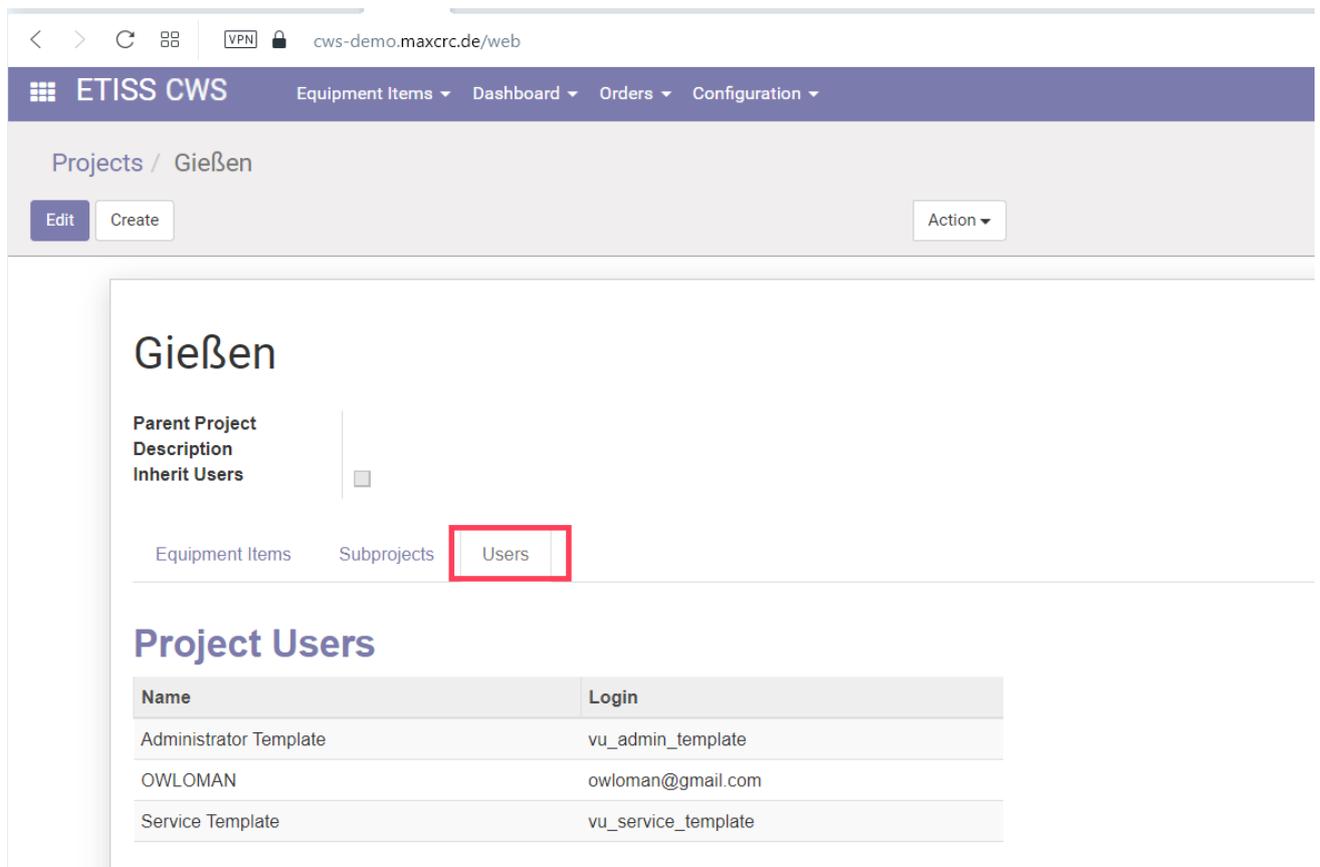
Name	Equipment Items
Gießen	(11 records)
Location 1	(4 records)
test	(0 records)

- Settings
- Configuration Parameters
- Projects**
- Event Types
- Assets
- Min/Max Configurations
- Equipment Items
- Screen Saver Configuration
- Money Exchange Configuration
- Users

Search...

Filters Group By Favorites

Parent Project



ETISS CWS | Equipment Items | Dashboard | Orders | Configuration

Projects / Gießen

Edit Create Action

## Gießen

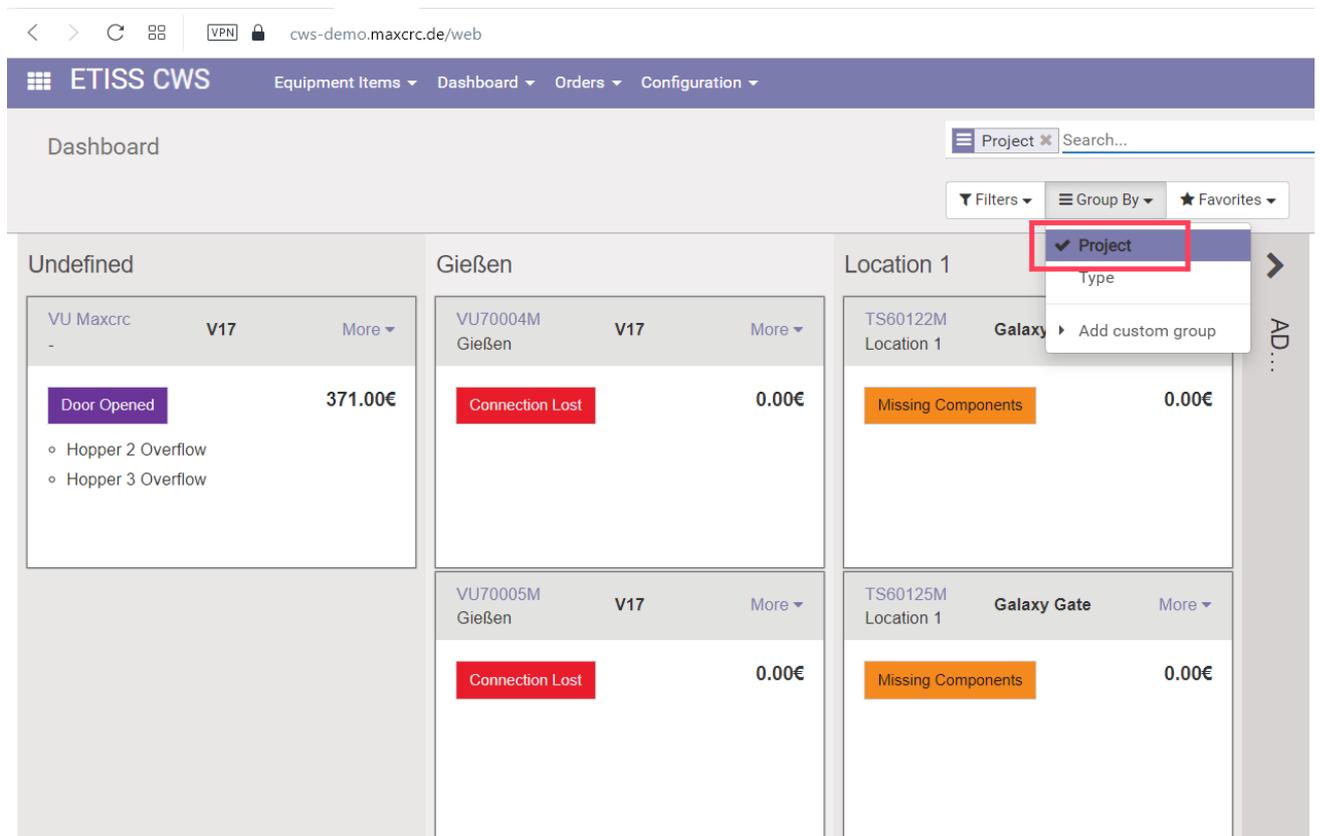
Parent Project  
Description  
Inherit Users

Equipment Items Subprojects **Users**

### Project Users

Name	Login
Administrator Template	vu_admin_template
OWLOMAN	owloman@gmail.com
Service Template	vu_service_template

There's also a nice ability to group equipment items by their project or type.



ETISS CWS | Equipment Items | Dashboard | Orders | Configuration

Dashboard

Project Search...

Filters Group By Favorites

**Project**  
Type  
Add custom group

Undefined	Gießen	Location 1
<p>VU Maxcrc V17 More</p> <p><b>Door Opened</b> 371.00€</p> <ul style="list-style-type: none"> <li>Hopper 2 Overflow</li> <li>Hopper 3 Overflow</li> </ul>	<p>VU70004M Gießen V17 More</p> <p><b>Connection Lost</b> 0.00€</p>	<p>TS60122M Location 1 Galaxy More</p> <p><b>Missing Components</b> 0.00€</p>
	<p>VU70005M Gießen V17 More</p> <p><b>Connection Lost</b> 0.00€</p>	<p>TS60125M Location 1 Galaxy Gate More</p> <p><b>Missing Components</b> 0.00€</p>

## USER MANAGEMENT

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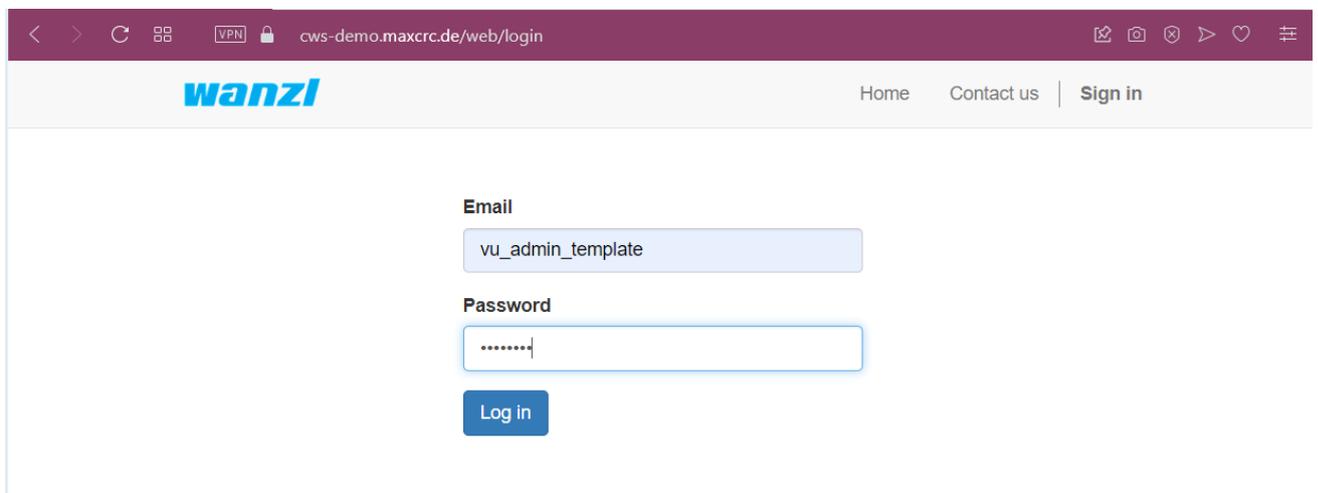
### Available access levels

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The system has 3 access levels:

- **Cashier - "vu\_cashier\_template"**: Works with money, has limited access to other functions of the system.
- **Service - "vu\_service\_template"**: Maintains the equipment and can control it's various aspects.
- **Administrator - "vu\_admin\_template"**: Has admin privileges and address to all functions of ETISS CWS system.

To login into the system using any of these roles, open the login page, enter desired user login (email), enter password and click "Login".



The screenshot shows a web browser window with the address bar displaying 'cws-demo.maxcrc.de/web/login'. The page features a dark purple header with the 'wanzl' logo on the left and navigation links for 'Home', 'Contact us', and 'Sign in' on the right. The main content area is white and contains a login form. The form has two input fields: 'Email' with the text 'vu\_admin\_template' and 'Password' with masked characters. Below the password field is a blue 'Log in' button.

### Creating a new user

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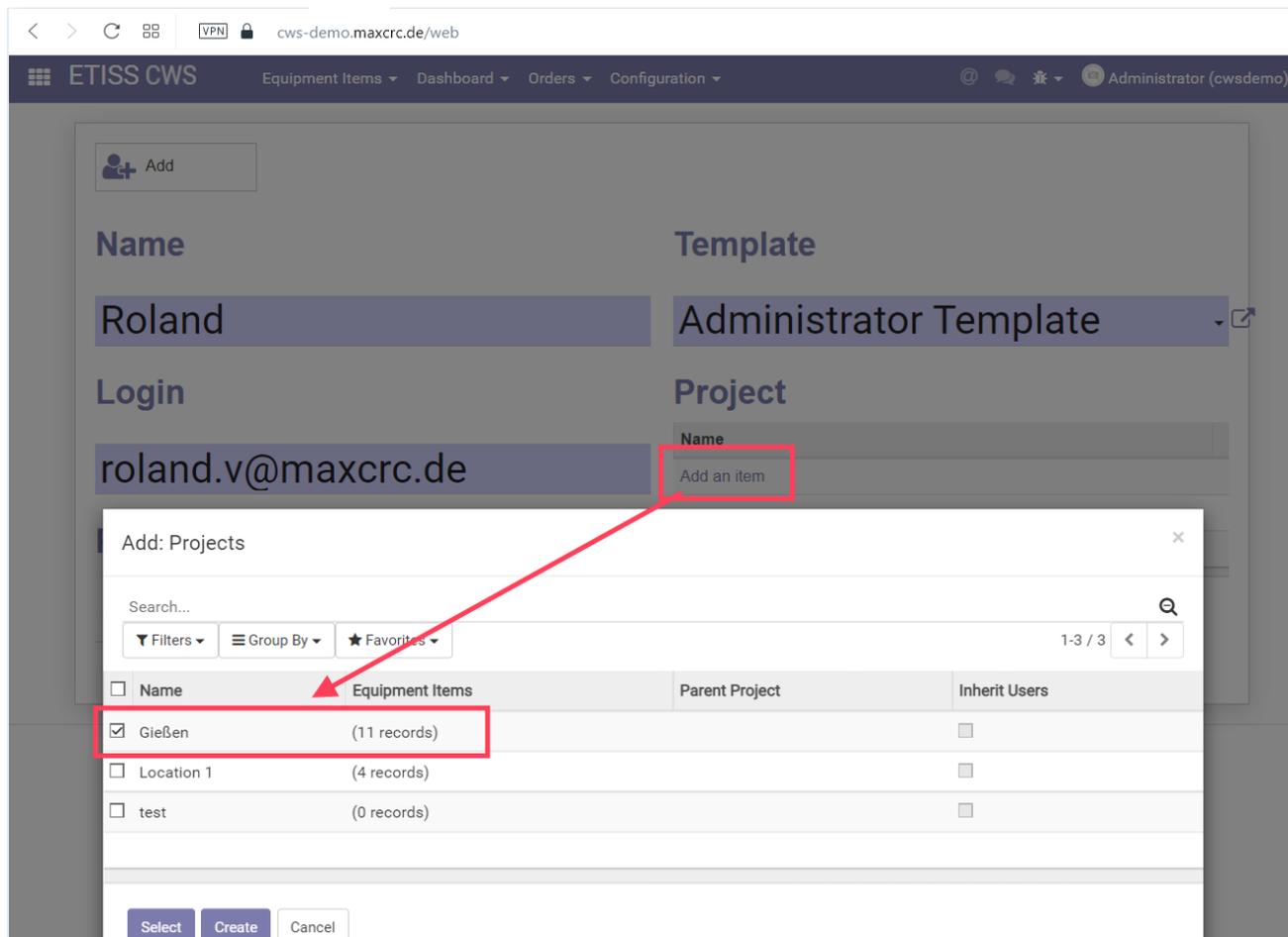
To create a new user navigate to "ETISS CWS" -> "Configuration" -> "Partner registration" menu and fill in following fields:

- **Name:** User's name.
- **Login:** A login which is going to be user to log in to the system.
- **Password:** User's password.
- **Template:** Access level template ("Cashier template" - only works with money, "Service template" - takes care of the Units, "Administrator template" - Local GOD).
- **Project:** User will see and be able to work only with equipment items that belong to selected here projects.

800px

## Assigning a project to a user

To assign a project while creating a new user, in the "Project" area click "Add item" and select the required project and click "Add" button. If you've already created a user, you can open a project where you'd like to add the user, then select "Users" tab and add a user there.



The screenshot shows the ETISS CWS web interface. The main form is for creating a user with the following fields:

- Name:** Roland
- Template:** Administrator Template
- Login:** roland.v@maxcrc.de
- Project:** Add an item (highlighted with a red box)

An "Add: Projects" modal is open, displaying a table of available projects. A red arrow points from the "Add an item" button to the "Gießen" project in the table.

<input type="checkbox"/>	Name	Equipment Items	Parent Project	Inherit Users
<input checked="" type="checkbox"/>	Gießen	(11 records)		<input type="checkbox"/>
<input type="checkbox"/>	Location 1	(4 records)		<input type="checkbox"/>
<input type="checkbox"/>	test	(0 records)		<input type="checkbox"/>

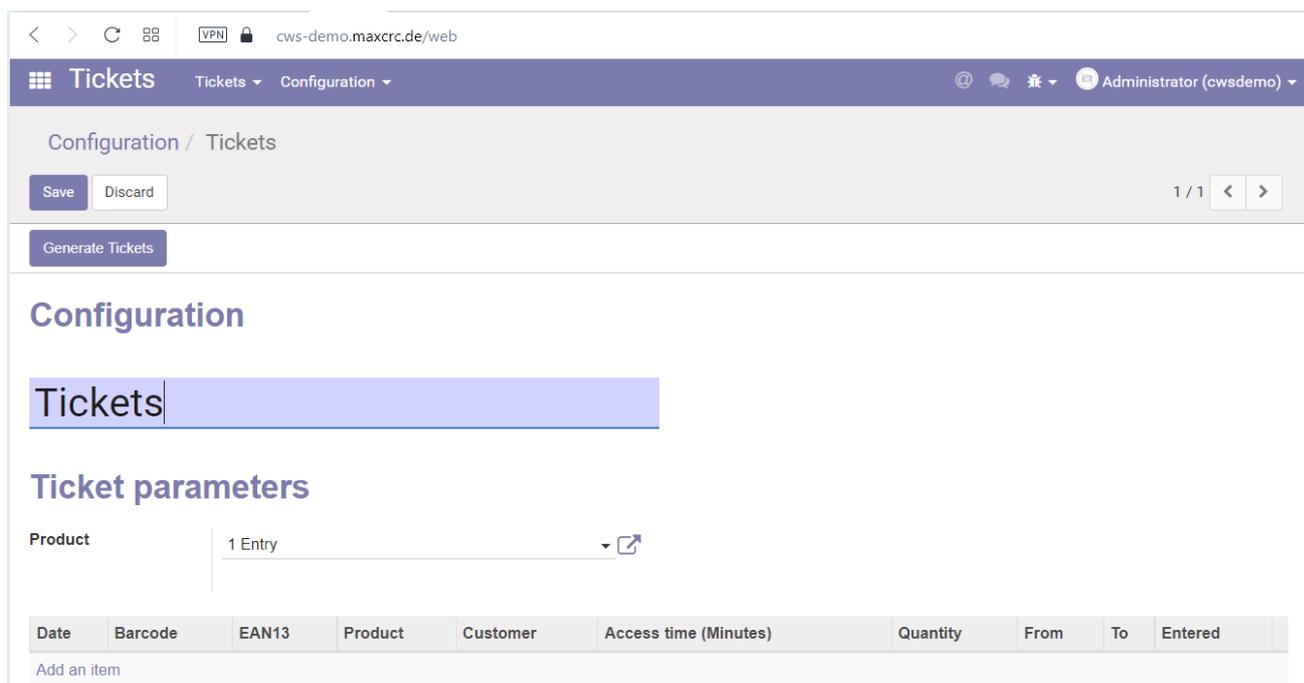
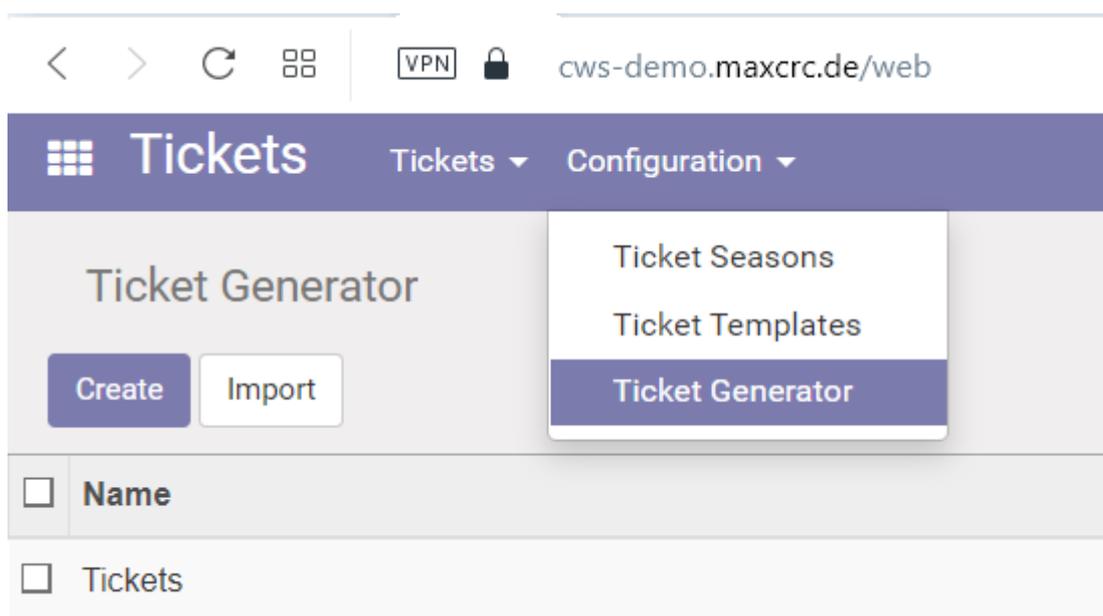
Buttons at the bottom of the modal: Select, Create, Cancel.

## TICKETS

### Ticket generator

Ticket generator allows to generate a specified number of tickets and print them out if needed. This feature can be used, for example, in case if you need to create a lot of free tickets and give them to people.

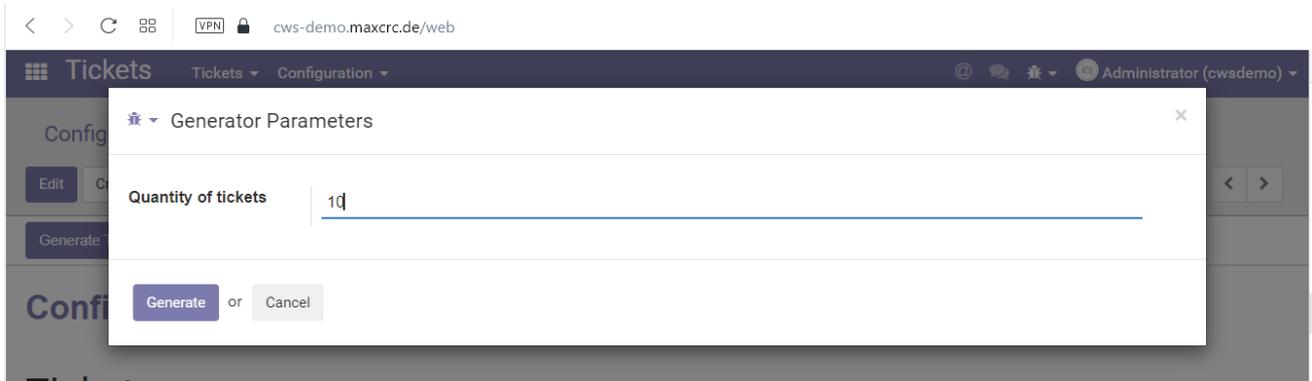
To open ticket generator, navigate to "Main menu" -> "Tickets" -> "Configuration" -> "Ticket generator":



Next, fill in the following fields:

- **Name:** The name of the generated tickets (not printed anywhere, just a display name).
- **Product:** The product based on which tickets will be generated. (Ex: to generate free tickets, you need to select free product here).

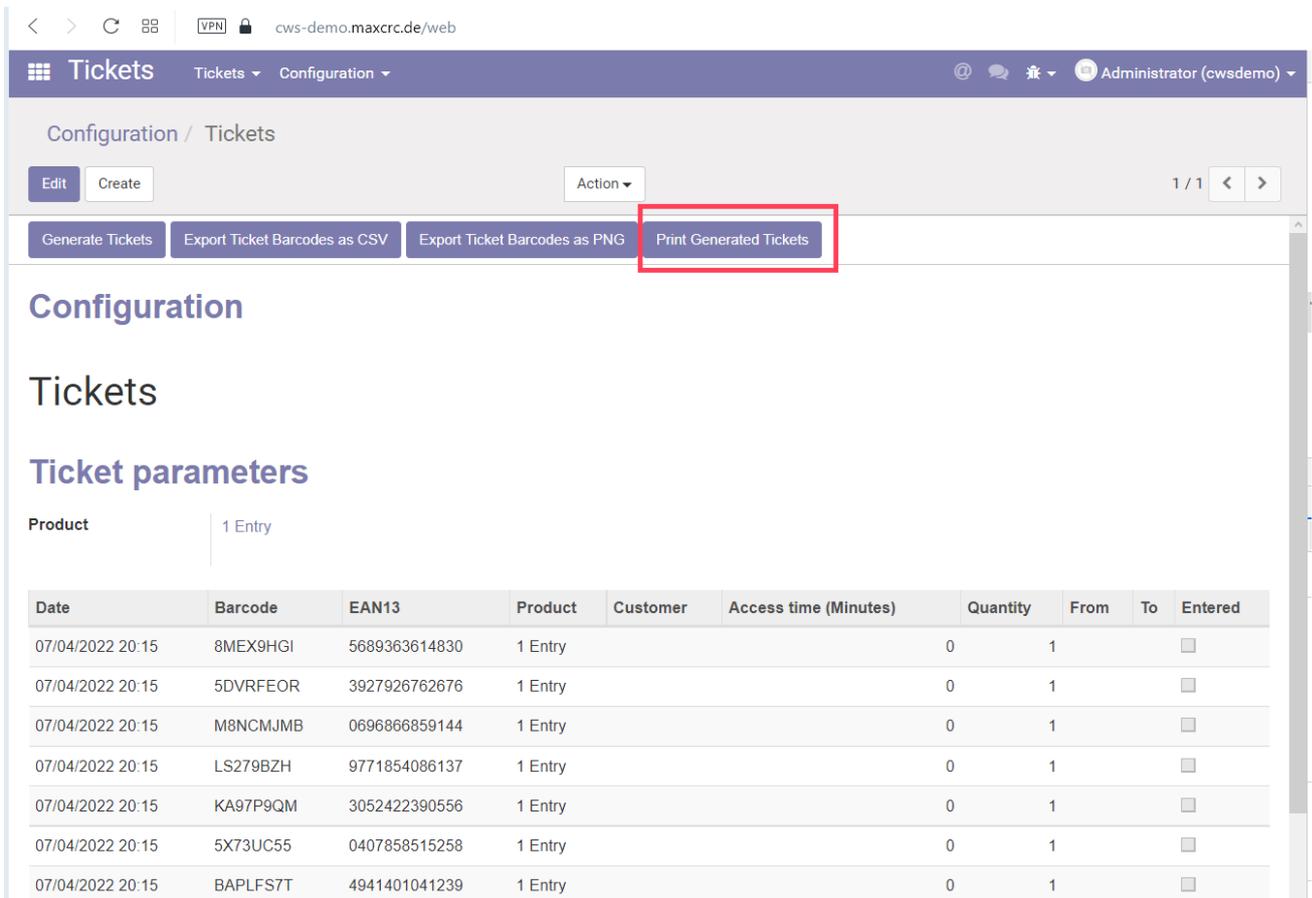
Click "Save", and after that click **Generate tickets** button.



Select the number of tickets to generate and click **Generate**

## Printing generated tickets

Once tickets were generated, you can print them out by pressing **Print generated tickets** button.

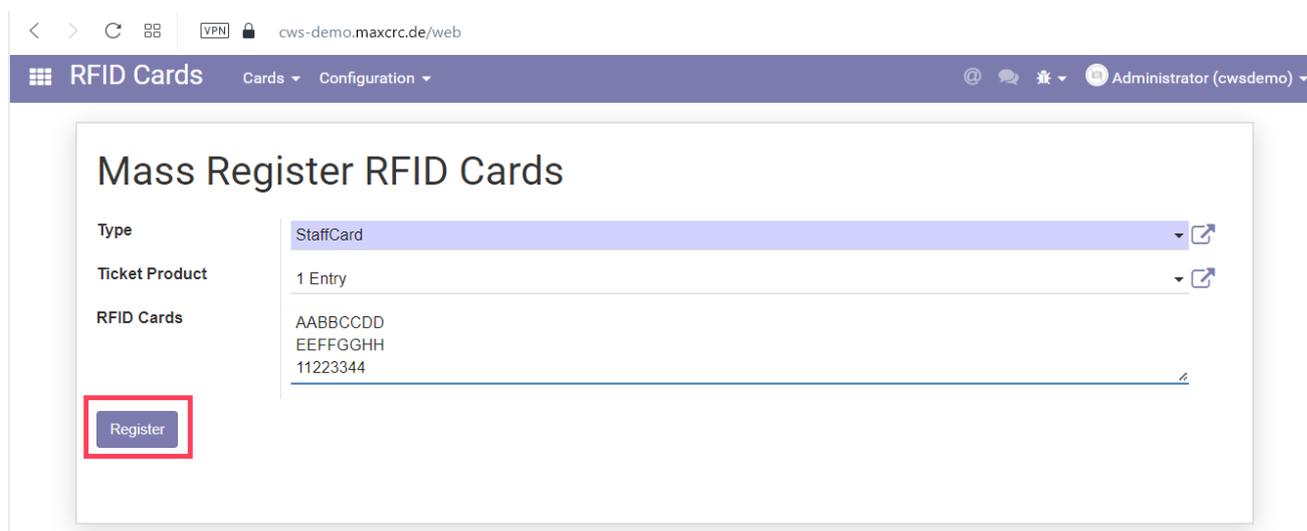


## RFID CARDS

### RFID cards generator

RFID card generator can be used with reader to mass register RFID cards. An operator scans the card with the reader, these cards then being added to the list of cards separated by the line break, space, comma, or semicolon. And finally, after selecting the card type, these cards then can be registered in the system in one click.

### Generating RFID cards



The screenshot shows a web browser window with the URL `cws-demo.maxcrc.de/web`. The page title is "RFID Cards" and the breadcrumb is "Cards > Configuration". The main content area is titled "Mass Register RFID Cards". It contains a form with the following fields:

Type	StaffCard
Ticket Product	1 Entry
RFID Cards	AABBCCDD EEFFGGHH 11223344

A "Register" button is located at the bottom left of the form and is highlighted with a red box.

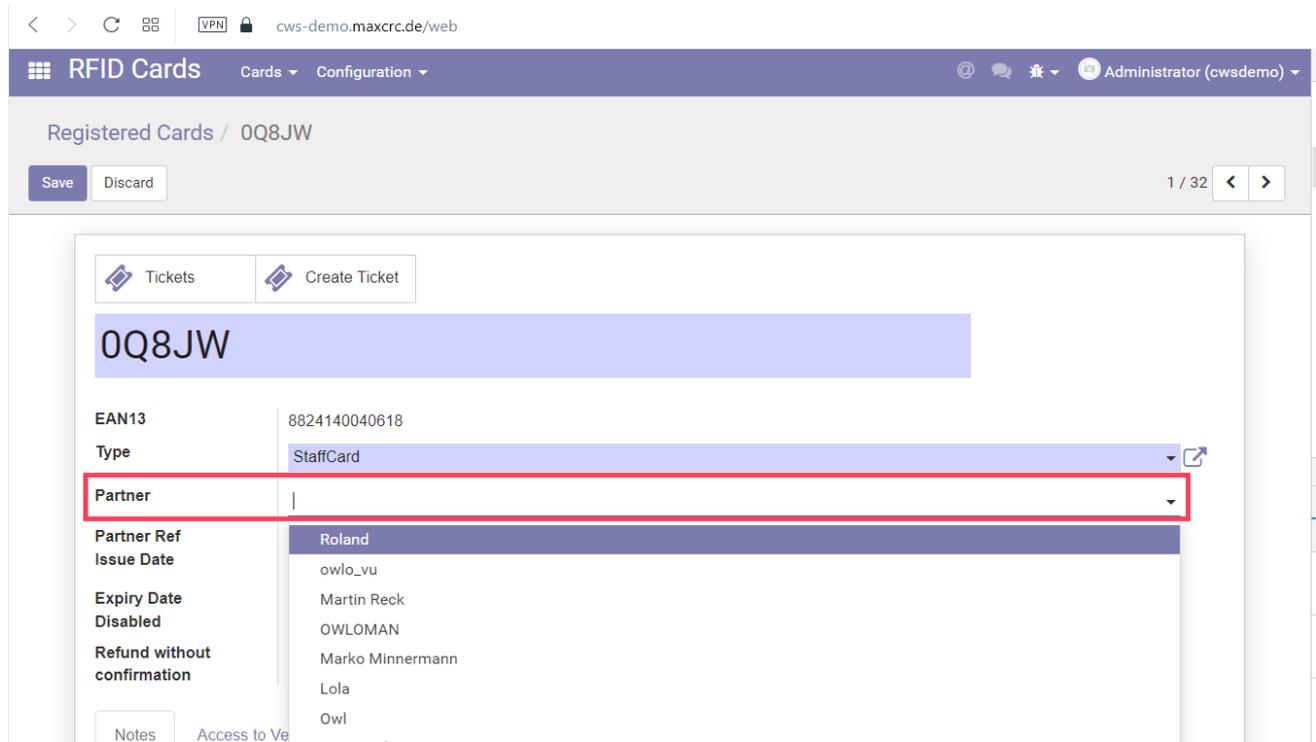
To use RFID cards generator go to "RFID cards" -> "Configuration" -> "Mass register" and fill in the following fields:

- **Type:** The type of RFID card to be registered.
- **Ticket product:** The product on which the linked ticket will be based.
- **RFID cards:** An array of RFID cards to be registered. These can be obtained from card reader or pasted via clipboard manually. The system understands the following card separation symbols: **line break**, **space**, **comma**, or **semicolon**.

### Assigning a partner to generated card

After all necessary cards were successfully generated you can assign a previously created partner to them. This can be done by opening a card and selecting a partner.

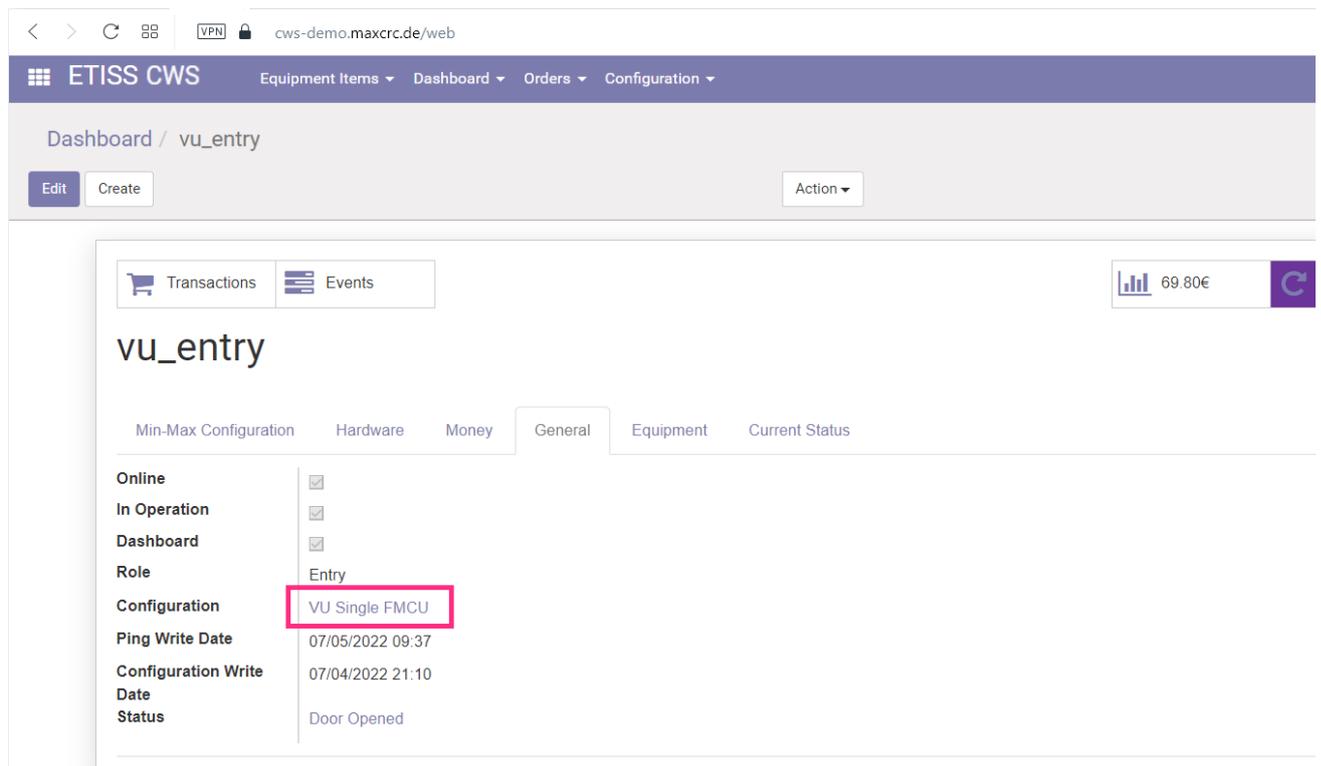
From the menu "RFID cards" -> "Cards" -> "Registered cards" open any card, click "Edit" and in the **Partner** field select desired partner.



Now this card is associated with a partner.

## Assigning a card to Vending Unit

After assigning a partner to a card, this card can be linked to the vending unit with a specified access level. To do this, login as Administrator, find and open a vending unit to which you need to link a card, and click on its configuration settings. In this case it's "VU Single FMCU" link.



ETISS CWS Equipment Items Dashboard Orders Configuration

Dashboard / vu\_entry

Transactions Events 69.80€

### vu\_entry

Min-Max Configuration Hardware Money General Equipment Current Status

Online

In Operation

Dashboard

Role Entry

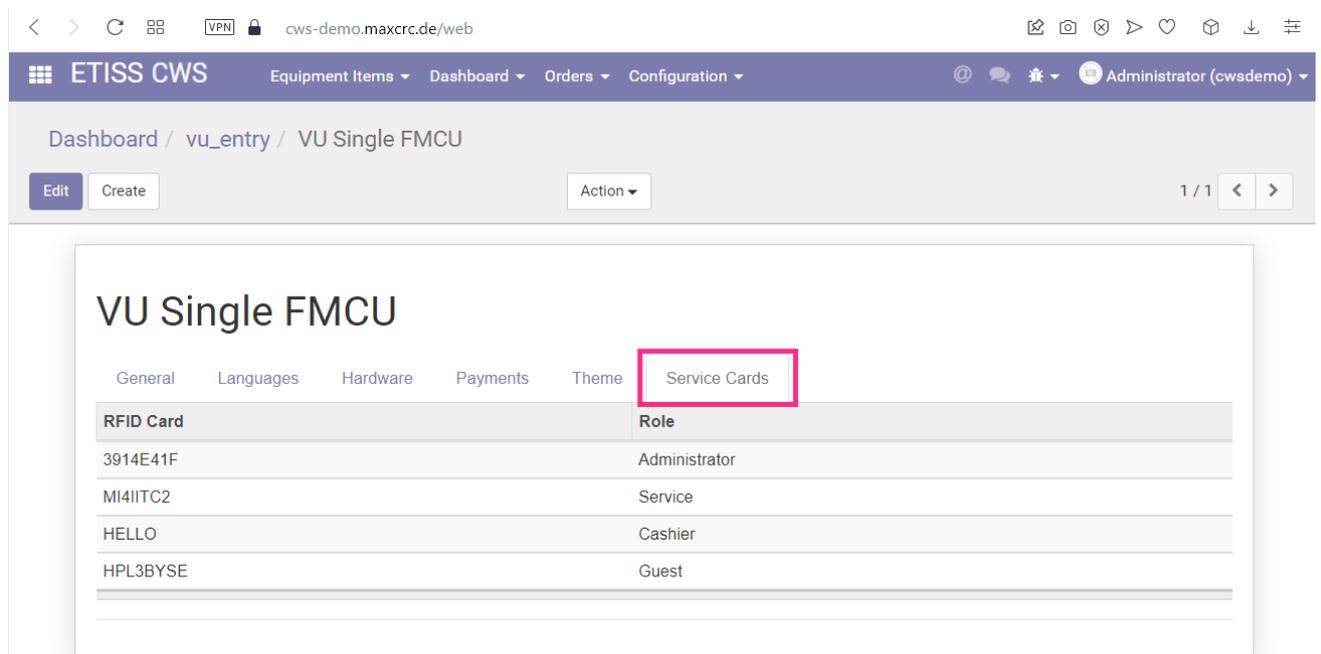
Configuration **VU Single FMCU**

Ping Write Date 07/05/2022 09:37

Configuration Write Date 07/04/2022 21:10

Status Door Opened

On the "Service cards" tab you can add cards and specify their corresponding access level.



ETISS CWS Equipment Items Dashboard Orders Configuration Administrator (cwsdemo)

Dashboard / vu\_entry / VU Single FMCU

1 / 1

### VU Single FMCU

General Languages Hardware Payments Theme **Service Cards**

RFID Card	Role
3914E41F	Administrator
MI4IITC2	Service
HELLO	Cashier
HPL3BYSE	Guest

## Assigning a card to project

The card also can be linked to a project. But you have to keep in mind that assigning a card to a particular VU configuration has precedence over assigning it to the project. To assign a card to a project, go to the "ETISS CWS" -> "Configuration" -> "Projects" menu, select a project and on the "Service cards" tab link a card with corresponding access level.

< > ↻ 🗄️ VPN 🔒 cws-demo.maxcrc.de/web 📧 📷 🗑️ ▶️ ❤️ 📦 ⬇️ 🏠

**ETISS CWS** Equipment Items ▾ Dashboard ▾ Orders ▾ Configuration ▾ 🔔 🗨️ ⚙️ ▾ 👤 Administrator (cwsdemo) ▾

Projects / Gießen

Save Discard 1 / 3 < >

## Gießen

**Parent Project**

**Description**

**Inherit Users**

Equipment Items   Subprojects   Users   **Service Cards**

RFID Card	Role
22D1372F	<input type="checkbox"/> Administrator

Add an item