

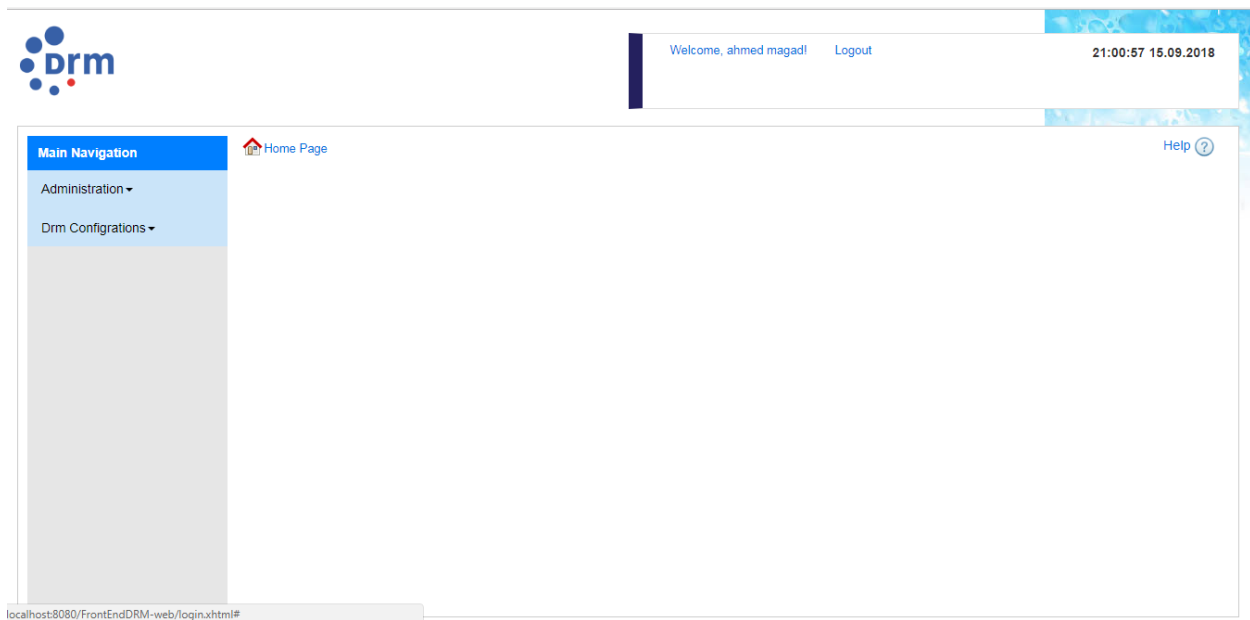
DRM User Manual

Login DRM

Input the provided user name and password to enter DRM system



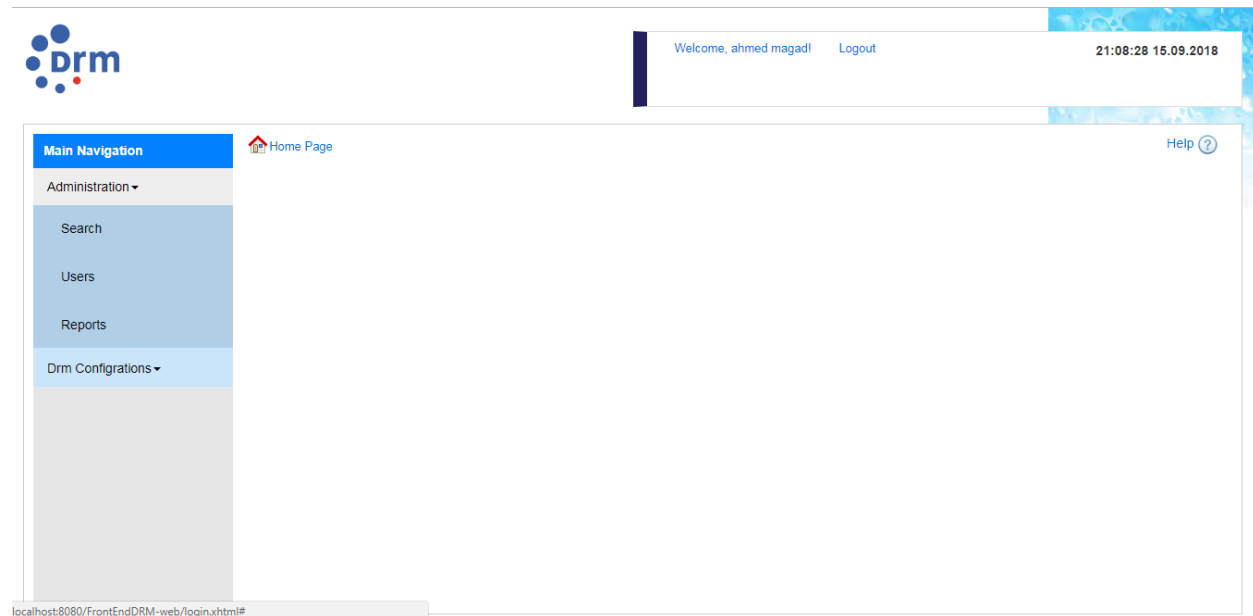
Then the following Home page will appear:



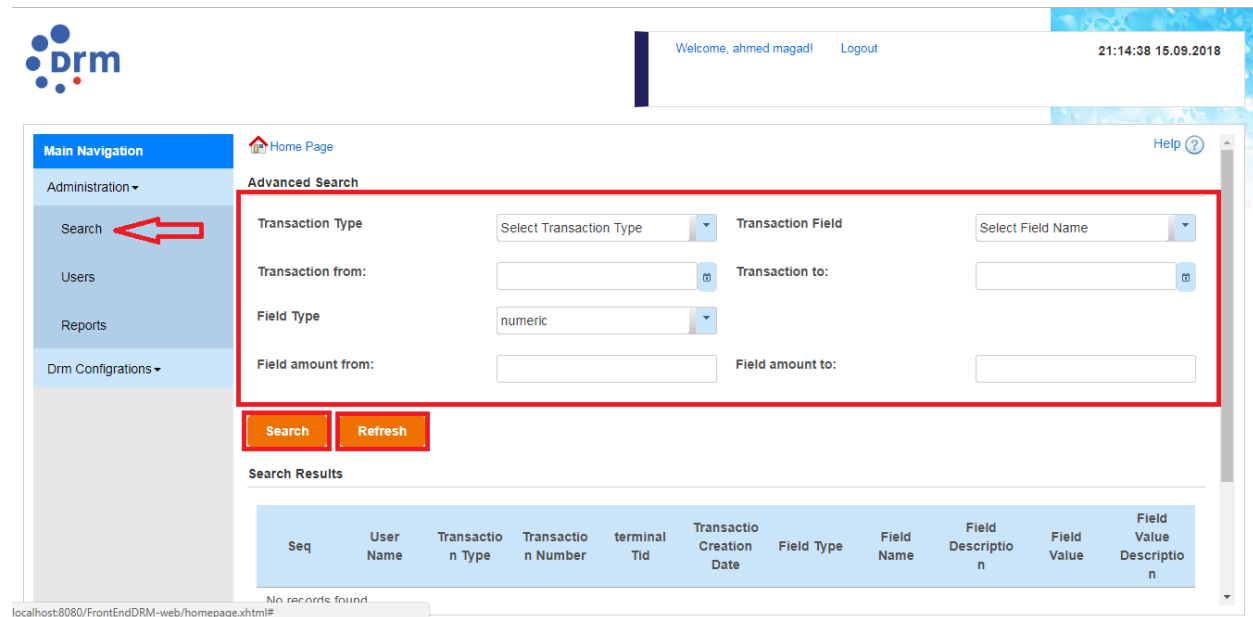
After login, it enters the Main page. You will find two tabs “Administration” and “Drm Configurations”.

Administration Tab

After enter Home Page, press on “Administration” Tab Then the following tabs will appear.



Search Tab



You can use “Search” tab to find all transaction, you can search by any field appear on this screen for filtration, after finish editing fields, press “Search” button on the bottom to start searching.

You can get all transactions by pressing “Refresh” button on the bottom.

Users Tab

The screenshot shows the 'Users' tab interface. On the left is a 'Main Navigation' sidebar with 'Users' highlighted by a red arrow. The top header includes the 'drm' logo, a welcome message 'Welcome, ahmed magad!', a 'Logout' link, and the timestamp '21:24:52 15.09.2018'. The 'Users' section contains four input fields: 'User Name', 'User First Name', 'User Middle Name', and 'User Last Name'. These fields are enclosed in a red rectangular box. Below the fields are 'Search' and 'Refresh' buttons. The 'Search Results' section shows a table with columns: 'User Name', 'First Name', 'Middle Name', 'Last Name', 'Creation Date', and 'Creation Date'. The table is currently empty, displaying 'No records found.' and '0 User(s) / 1 page(s)'. An 'Add User' button is located at the bottom left of the results area.

You can use “Users” tab to find all Users, you can search by any field appear on this screen for filtration, after finish editing fields, press “Search” button on the bottom to start searching.

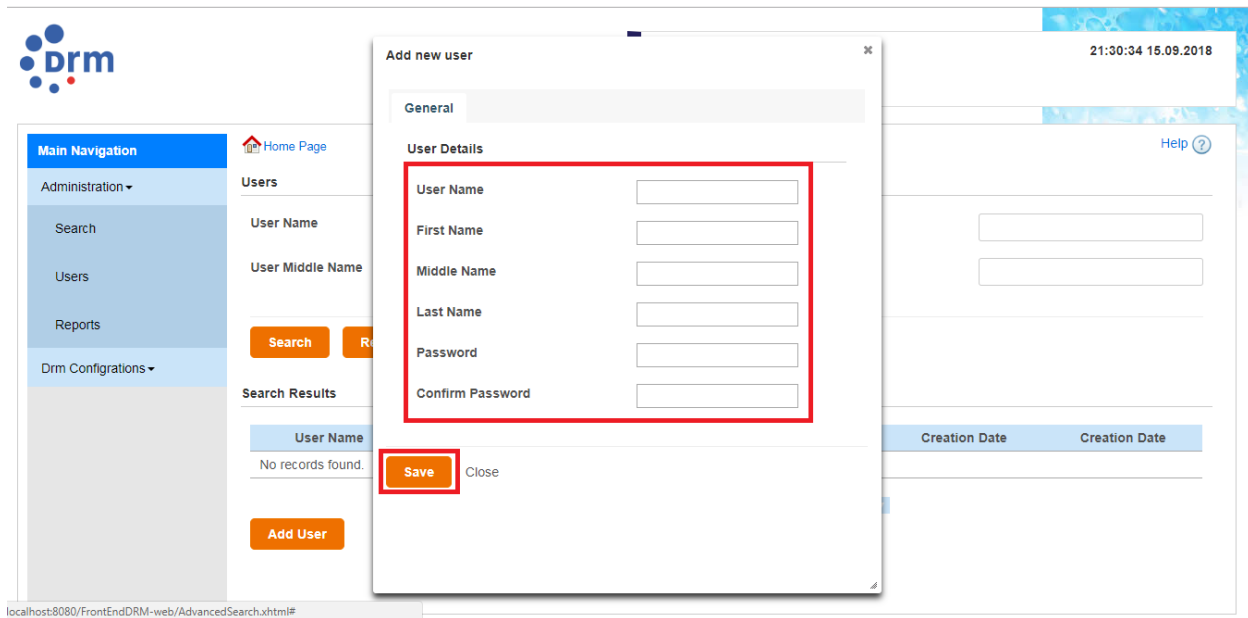
You can get all Users by pressing “Refresh” button on the bottom.

Add new User

To add new User, press “Add User” button

This screenshot is identical to the previous one, showing the 'Users' tab interface. However, a red arrow points to the 'Add User' button located at the bottom left of the 'Search Results' section.

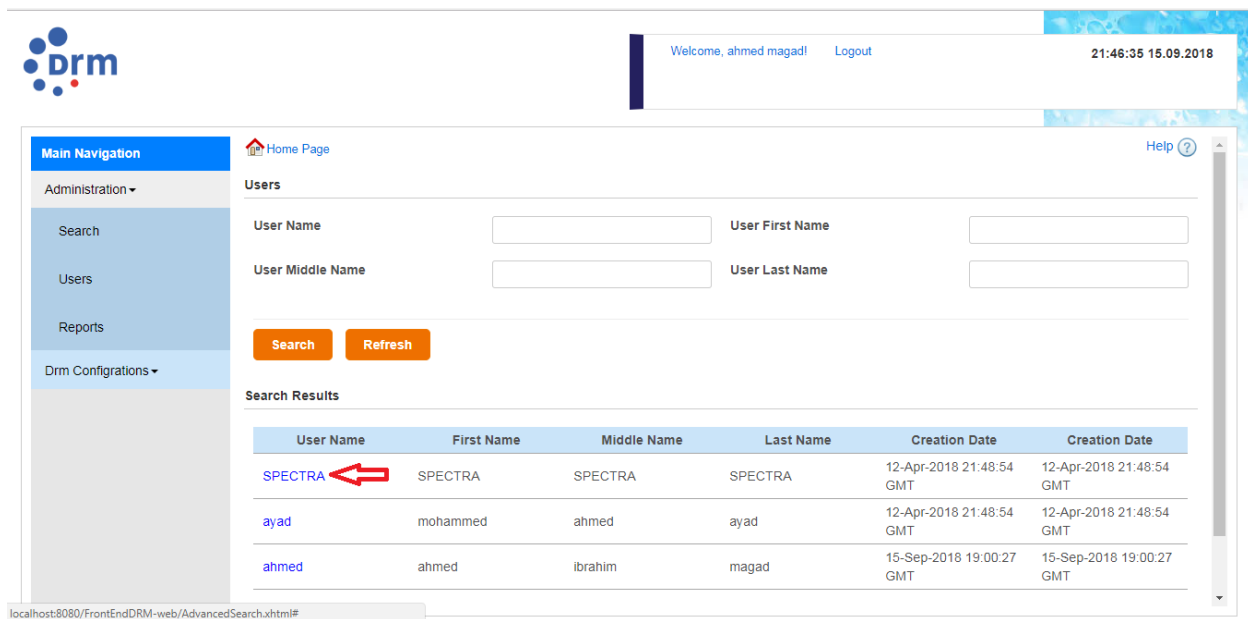
Then the following will appear:



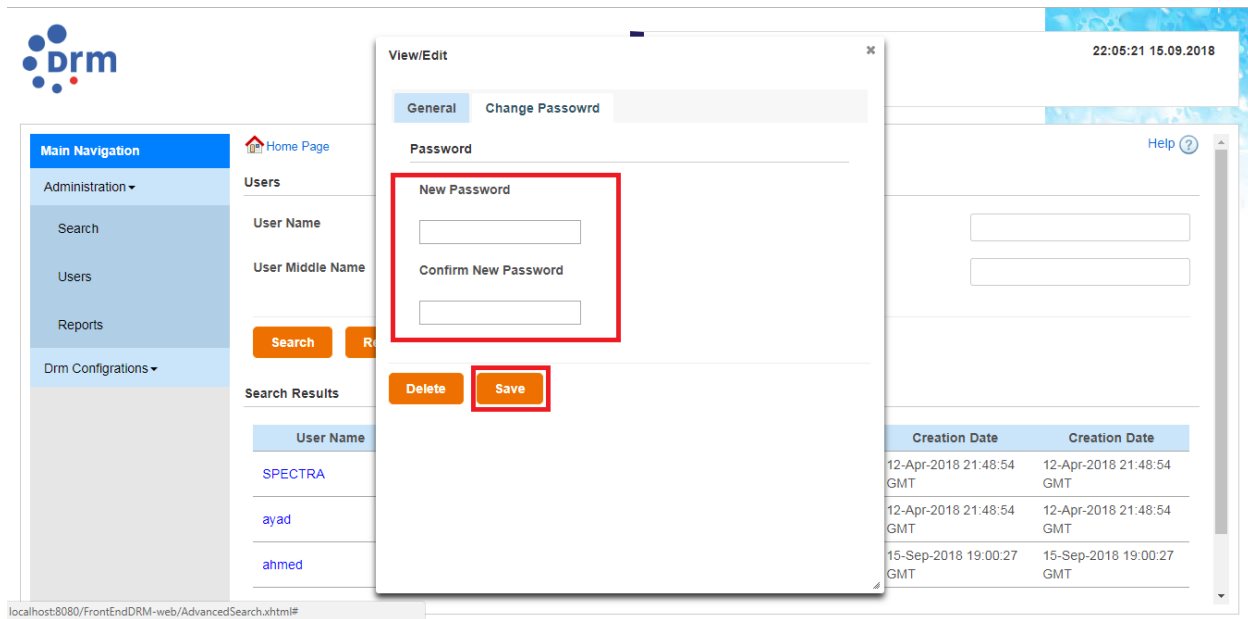
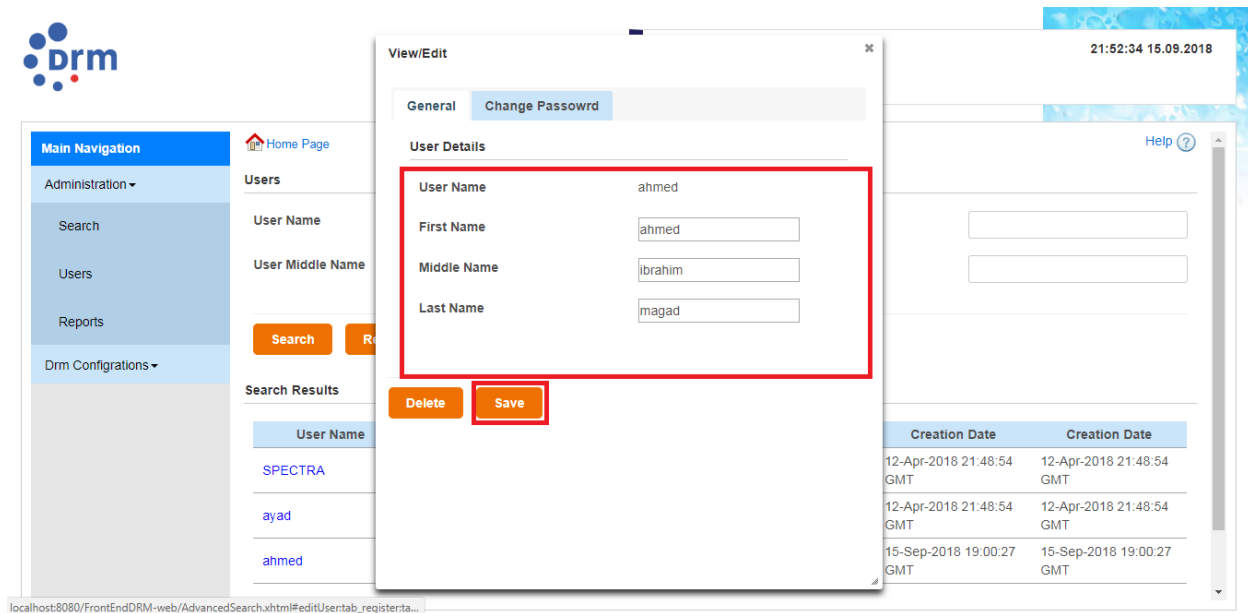
After finish editing all the fields, press “Save” button on the bottom to save.

Edit or Remove User

To edit or remove User, press on user name



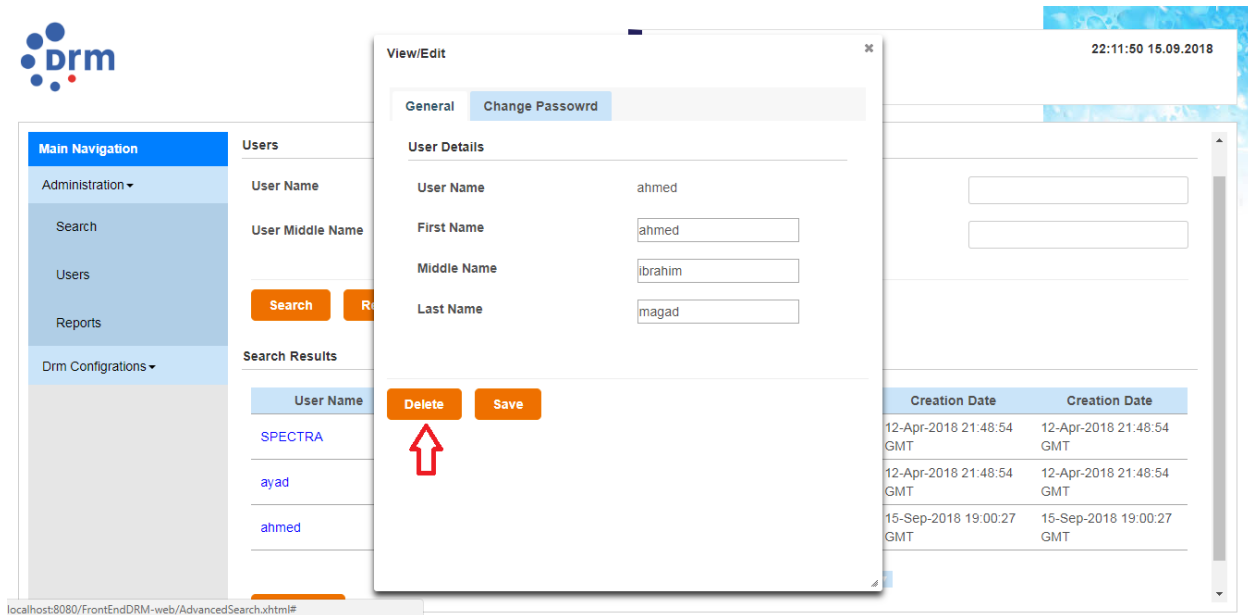
Then the following will appear:



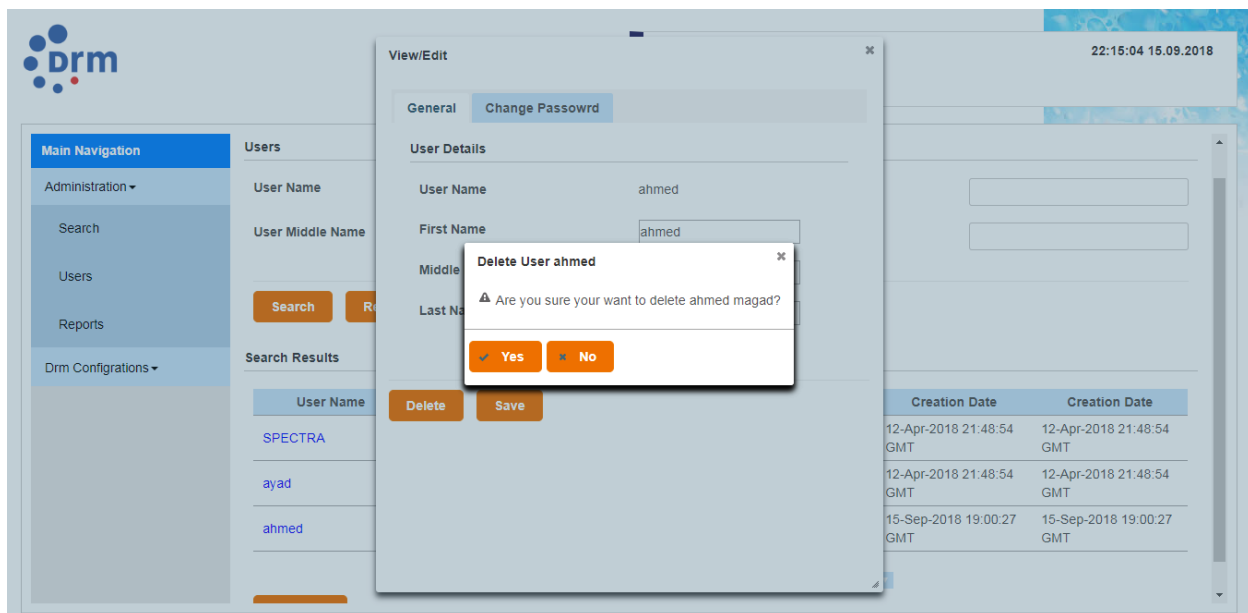
After finish editing all the fields, press “Save” button on the bottom to save.

To remove User

To remove User, press on “Delete” button



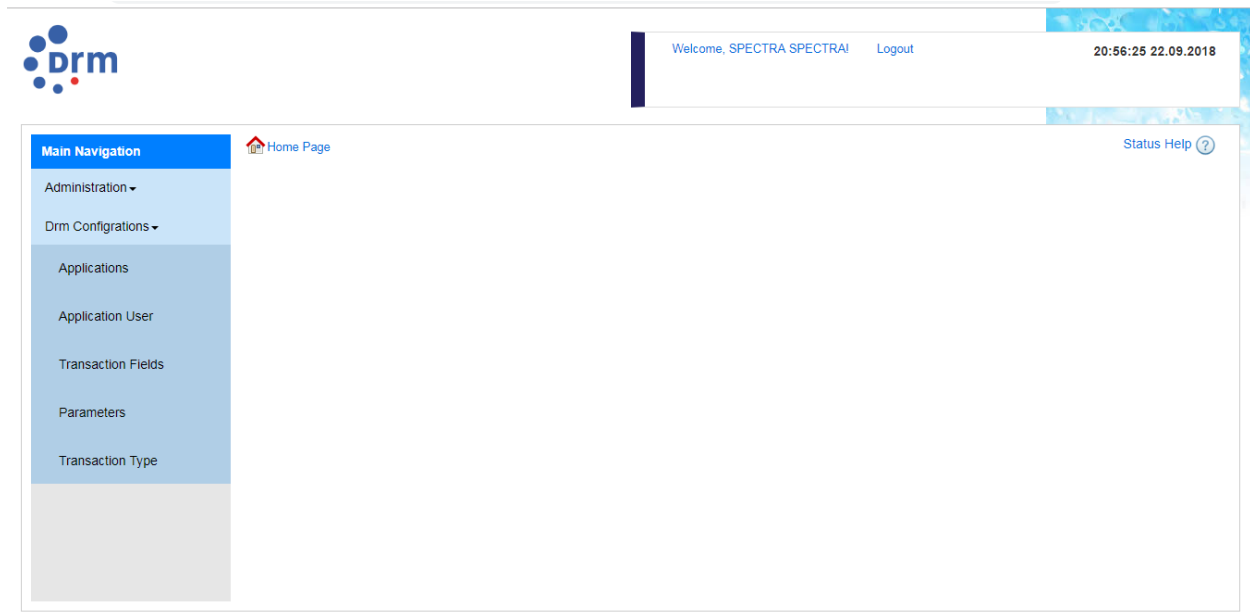
Then the following will appear:



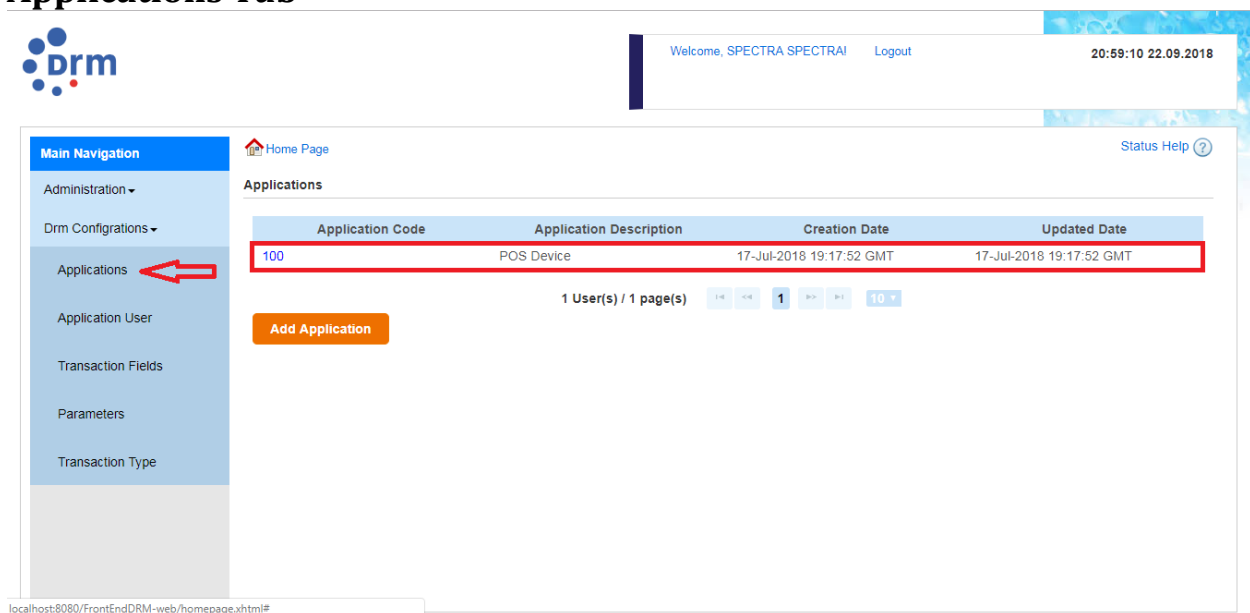
You can confirm the delete by pressing “Yes” button or cancel it by pressing “No” button

Drum Configurations Tab

After enter Home Page, press on “Drm Configurations” Tab Then the following tabs will appear.



Applications Tab



You can use “Applications” tab to find all applications.

Add new Application

To add new Application, press “Add Application” button

The screenshot shows the DRM web application interface. The top header includes the DRM logo, a welcome message "Welcome, SPECTRA SPECTRAI", a "Logout" link, and the date "20:59:10 22.09.2018". The left sidebar contains a "Main Navigation" menu with options: Administration, Dm Configurations, Applications (highlighted with a red arrow), Application User, Transaction Fields, Parameters, and Transaction Type. The main content area displays a table of Applications. The table has columns: Application Code, Application Description, Creation Date, and Updated Date. A single application is listed with Application Code 100, Application Description POS Device, Creation Date 17-Jul-2018 19:17:52 GMT, and Updated Date 17-Jul-2018 19:17:52 GMT. Below the table, there is a pagination control showing "1 User(s) / 1 page(s)" and a red arrow pointing to the "Add Application" button.

Application Code	Application Description	Creation Date	Updated Date
100	POS Device	17-Jul-2018 19:17:52 GMT	17-Jul-2018 19:17:52 GMT

Then the following will appear:

The screenshot shows the "Add new Application" dialog box. The dialog has a "General" tab and "Application Details" section. The "Application Details" section contains two input fields: "Application Code" and "Application Description", both highlighted with a red box. Below the input fields, there is a "Save" button (highlighted with a red box) and a "Close" button. The background shows the same DRM web application interface as the previous screenshot, but the "Add Application" button is now disabled.

After finish editing all the fields, press "Save" button on the bottom to save.

Edit or Remove Application

To edit or remove Application, press on Application Code

The screenshot shows the DRM web application interface. The top header includes the DRM logo, a welcome message for 'SPECTRA SPECTRAI', a 'Logout' link, and the date '21:09:26 22.09.2018'. The left sidebar contains a 'Main Navigation' menu with options: Administration, Drm Configurations, Applications, Application User, Transaction Fields, Parameters, and Transaction Type. The main content area displays a table of Applications. The table has four columns: Application Code, Application Description, Creation Date, and Updated Date. A single application is listed with Application Code '100', Application Description 'POS Device', and both Creation and Updated Dates as '17-Jul-2018 19:17:52 GMT'. A red arrow points to the '100' in the Application Code column. Below the table, there is a pagination bar showing '1 User(s) / 1 page(s)' and a page number '1'. An 'Add Application' button is located below the table. The status bar at the bottom left shows the URL 'localhost:8080/FrontEndDRM-web/homepage.xhtml#'. A 'Status Help' link is in the top right corner.

Application Code	Application Description	Creation Date	Updated Date
100	POS Device	17-Jul-2018 19:17:52 GMT	17-Jul-2018 19:17:52 GMT

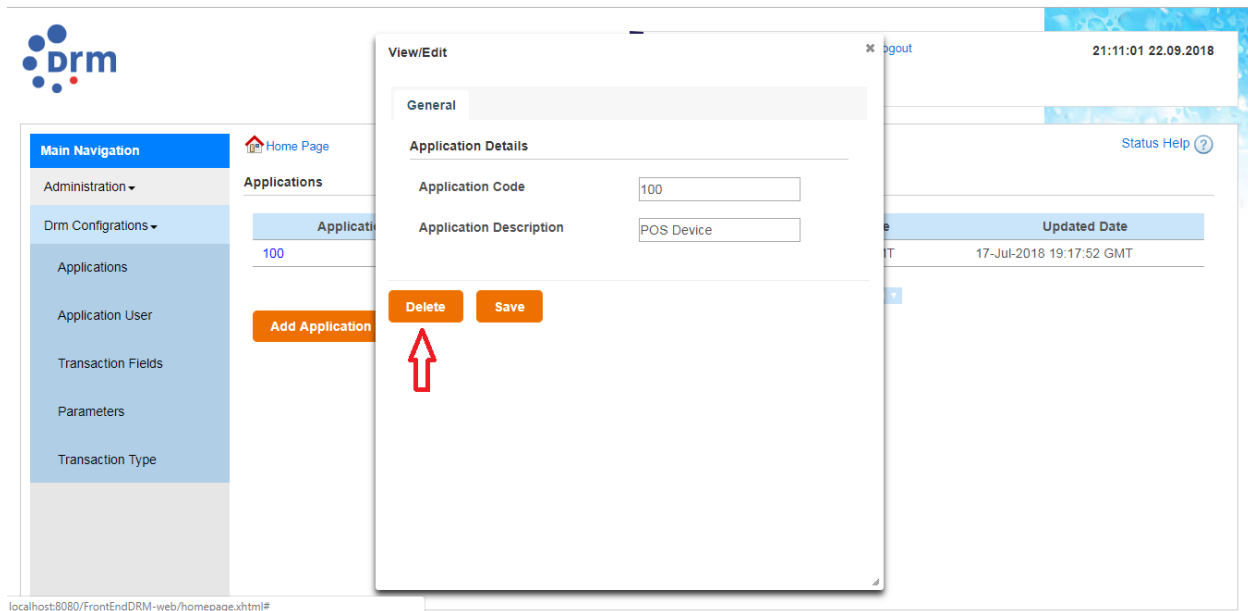
Then the following will appear:

The screenshot shows the DRM web application interface with a 'View/Edit' modal window open. The modal has a 'General' tab and 'Application Details' section. The 'Application Code' field is set to '100' and the 'Application Description' field is set to 'POS Device'. Both fields are highlighted with a red border. Below the fields are 'Delete' and 'Save' buttons, with the 'Save' button also highlighted with a red border. The background shows the same Applications list as the previous screenshot, with the '100' in the Application Code column highlighted. The status bar at the bottom left shows the URL 'localhost:8080/FrontEndDRM-web/homepage.xhtml#'. A 'Status Help' link is in the top right corner.

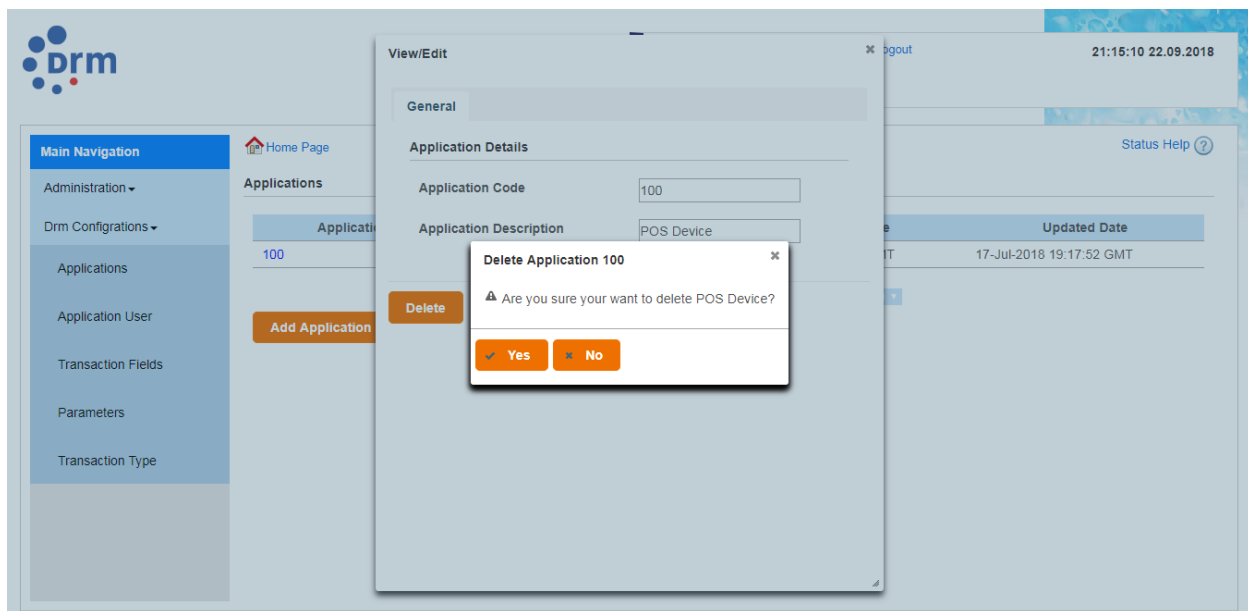
After finish editing all the fields, press "Save" button on the bottom to save.

To remove Application

To remove Application, press on "Delete" button



Then the following will appear:



You can confirm the delete by pressing "Yes" button or cancel it by pressing "No" button

Application User Tab

The screenshot shows the 'Application User' tab selected in the left navigation menu. The main content area displays a table with the following data:

User Name	Application Code	Creation Date	Updated Date
SPECTRA	100	17-Jul-2018 19:17:52 GMT	17-Jul-2018 19:17:52 GMT

Below the table, it indicates '1 User(s) / 1 page(s)' and shows pagination controls. An orange button labeled 'Add Application User' is visible. The left navigation menu includes 'Administration', 'Drm Configurations', 'Applications', 'Application User', 'Transaction Fields', 'Parameters', and 'Transaction Type'. The top header shows 'Welcome, SPECTRA SPECTRAI', 'Logout', and the date '21:20:40 22.09.2018'.

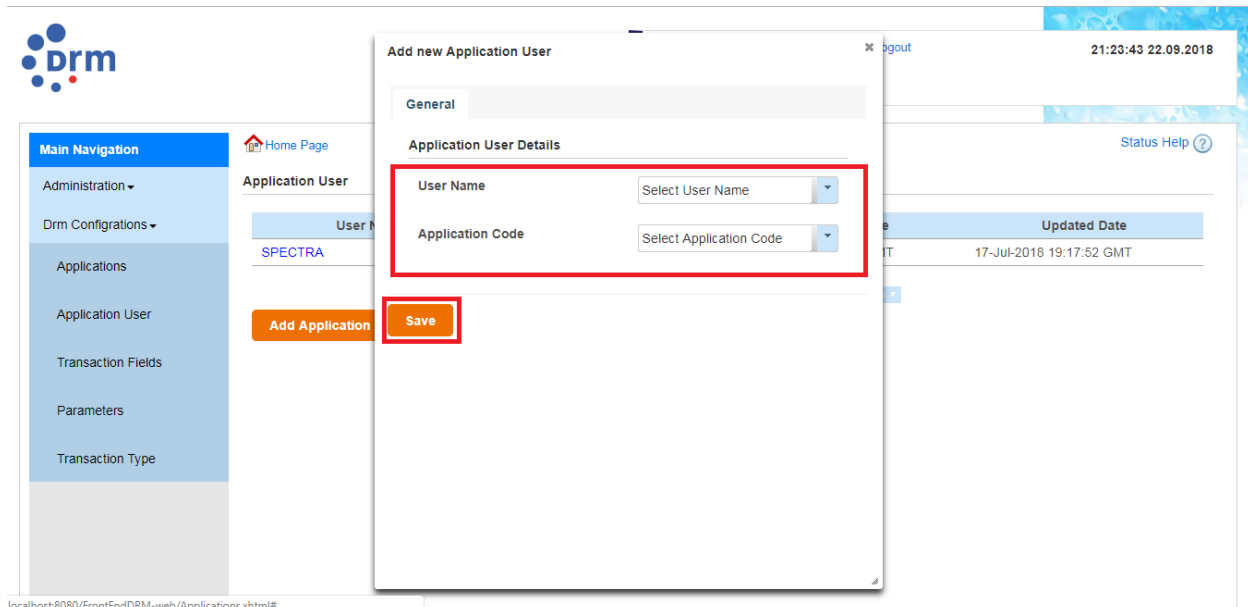
You can use “Application User” tab to find all application Users.

Add new Application User

To add new Application User, press “Add Application User” button

This screenshot is similar to the previous one, but with red arrows highlighting the 'Application User' tab in the left navigation menu and the 'Add Application User' button. The table and other UI elements remain the same.

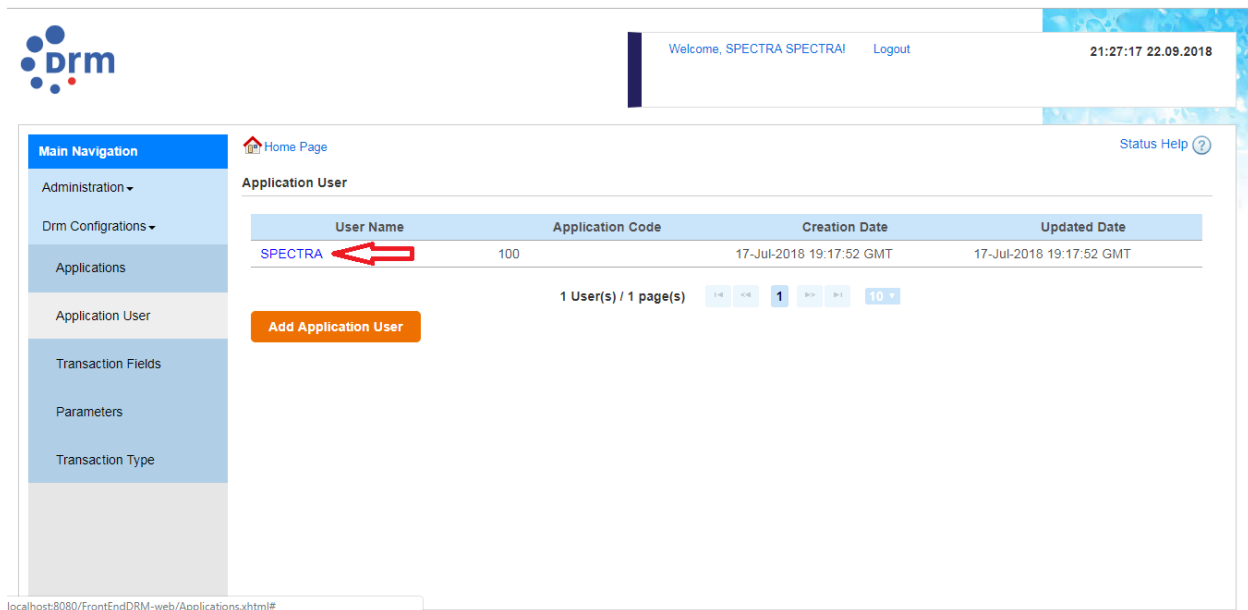
Then the following will appear:



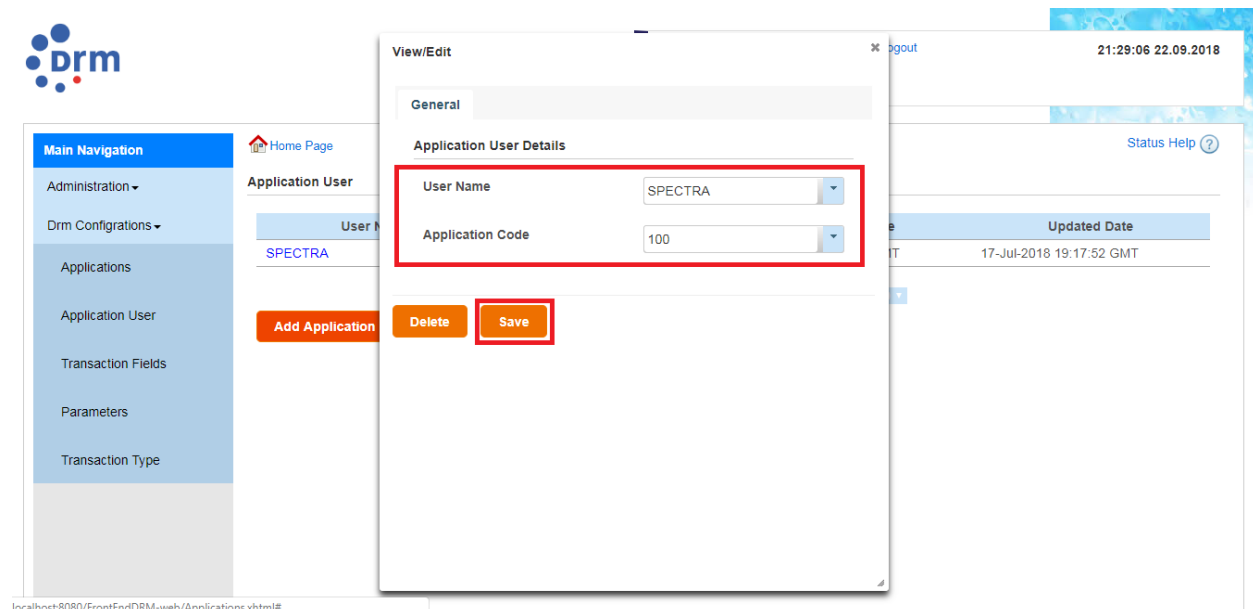
After finish editing all the fields, press “Save” button on the bottom to save.

Edit or Remove Application User

To edit or remove Application User, press on User Name



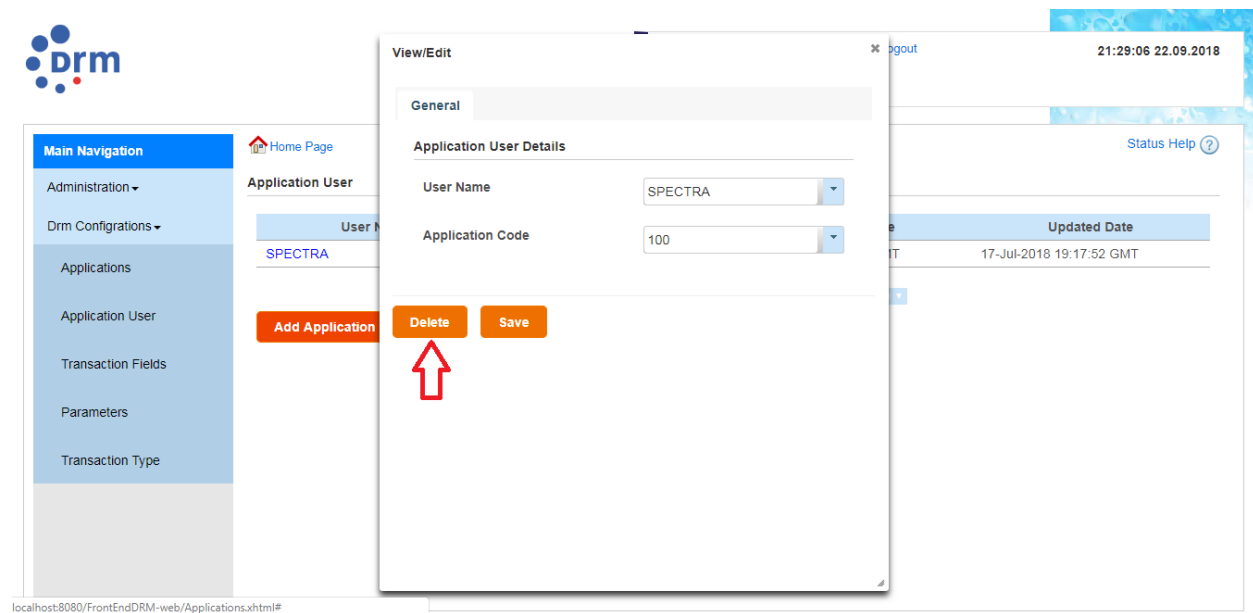
Then the following will appear:



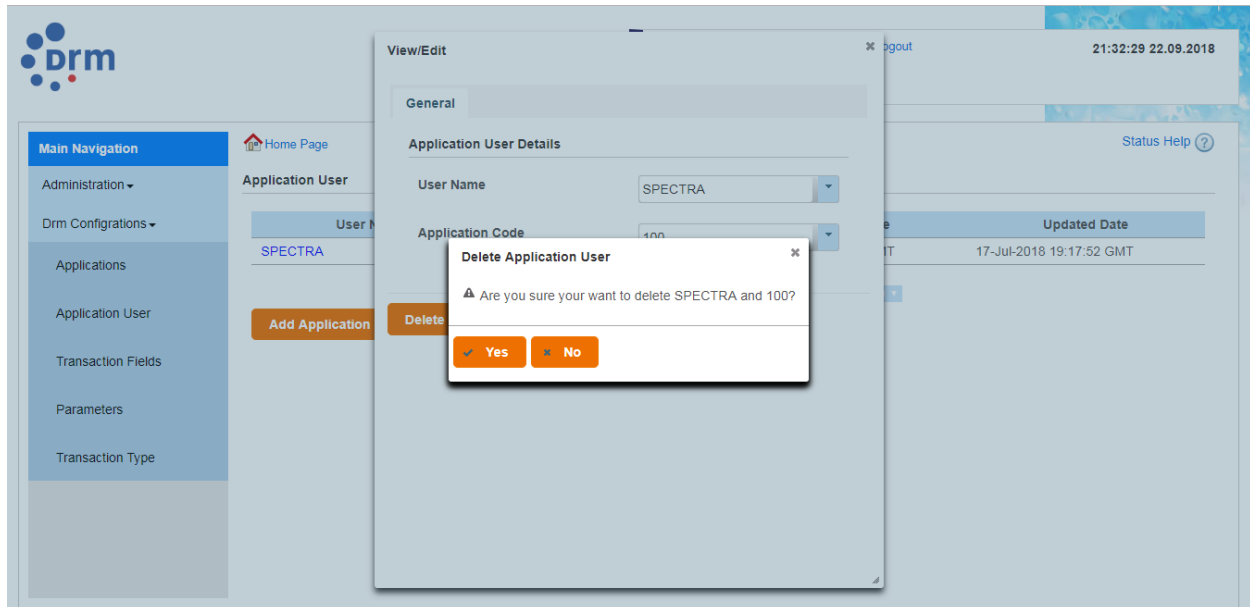
After finish editing all the fields, press “Save” button on the bottom to save.

To remove Application User

To remove Application User, press on “Delete” button



Then the following will appear:



You can confirm the delete by pressing “Yes” button or cancel it by pressing “No” button

Transaction Fields Tab

The screenshot displays the 'Transaction Fields' tab in the DRM application. The left sidebar shows the 'Main Navigation' menu with 'Transaction Fields' selected. The main content area shows a table of transaction fields. One field is highlighted with a red border:

Field Name	Field Description	Field Type	Field Pattern	Creation Date	Updated Date
pan	TRX amount with regular expression	numeric	^[0-9]{16,16}\$	17-Jul-2018 19:17:52 GMT	17-Jul-2018 19:17:52 GMT

Below the table, it indicates '1 Field Type(s) / 1 page(s)' and shows pagination controls. An 'Add Transaction Field' button is located below the table. The left sidebar also includes a red arrow pointing to the 'Transaction Fields' menu item.

You can use “Transaction Fields” tab to find all transaction fields.

Add new Transaction Field

To add new Transaction Field, press “Add Transaction Field” button

The screenshot shows the DRM application interface. The top header includes the DRM logo, a welcome message for 'SPECTRA SPECTRAI', a 'Logout' link, and the current time '21:35:52 22.09.2018'. The left sidebar contains a 'Main Navigation' menu with options: Administration, Drm Configurations, Applications, Application User, Transaction Fields (highlighted with a red arrow), Parameters, and Transaction Type. The main content area displays a table titled 'Transaction Fields' with the following data:

Field Name	Field Description	Field Type	Field Pattern	Creation Date	Updated Date
pan	TRX amount with regular expression	numeric	^[0-9](16,16)\$	17-Jul-2018 19:17:52 GMT	17-Jul-2018 19:17:52 GMT

Below the table, there is a pagination bar showing '1 Field Type(s) / 1 page(s)' and a page number '1'. An orange 'Add Transaction Field' button is located to the left of the table, with a red arrow pointing to it.

Then the following will appear:

The screenshot shows the DRM application interface with the 'Add new Transaction Field' dialog box open. The dialog box has a 'General' tab and a 'Transaction Field Details' section. The details section contains the following fields:

- Field Name:
- Field Description:
- Field Type:
- Field Pattern:

At the bottom of the dialog box, there is a 'Save' button (highlighted with a red box) and a 'Close' button. The background shows the same 'Transaction Fields' table as in the previous screenshot.

After finish editing all the fields, press "Save" button on the bottom to save.

Edit or Remove Transaction Field

To edit or remove Transaction Field, press on Field Name

DRM logo

Welcome, SPECTRA SPECTRAI Logout 21:43:44 22.09.2018

Home Page Status Help

Main Navigation

- Administration
- DrM Configurations
 - Applications
 - Application User
 - Transaction Fields
 - Parameters
 - Transaction Type

Transaction Fields

Field Name	Field Description	Field Type	Field Pattern	Creation Date	Updated Date
pan	TRX amount with regular expression	numeric	^[0-9]{16,16}\$	17-Jul-2018 19:17:52 GMT	17-Jul-2018 19:17:52 GMT

1 Field Type(s) / 1 page(s)

Add Transaction Field

localhost:8080/FrontEndDRM-web/ApplicationUser.xhtml#

Then the following will appear:

DRM logo

Home Page Status Help

Main Navigation

- Administration
- DrM Configurations
 - Applications
 - Application User
 - Transaction Fields
 - Parameters
 - Transaction Type

Transaction Fields

Field Name

pan

Add Transaction Field

View/Edit

General

Transaction Field Details

Field Name: pan

Field Description: TRX amount with regular expression

Field Type: numeric

Field Pattern: ^[0-9]{16,16}\$

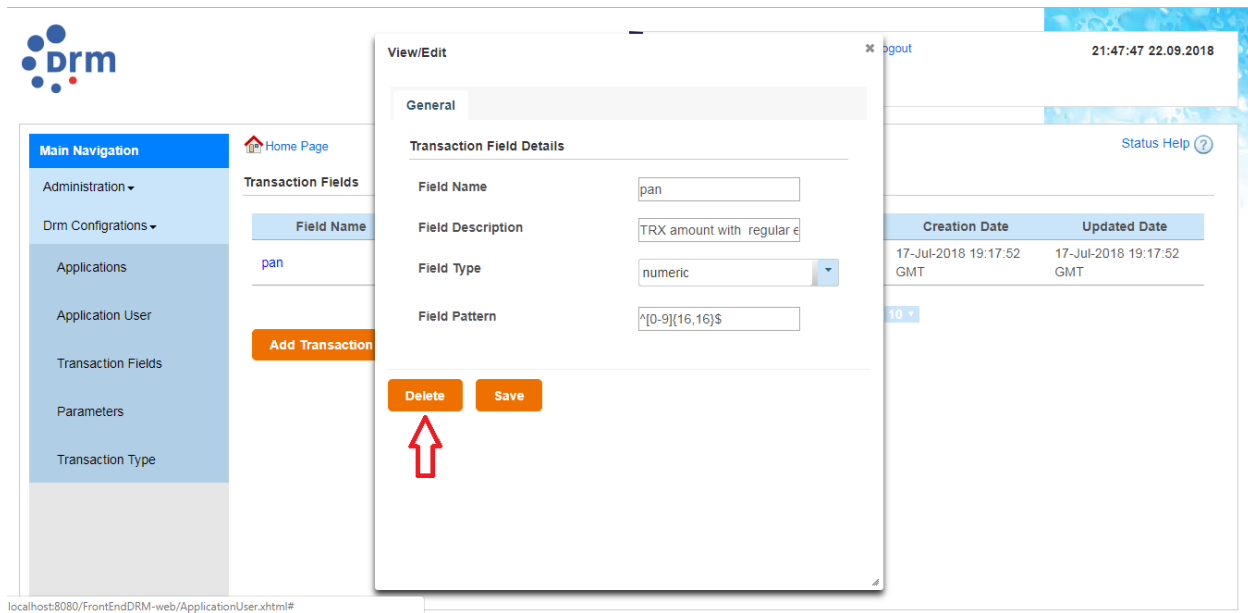
Delete Save

localhost:8080/FrontEndDRM-web/ApplicationUser.xhtml#

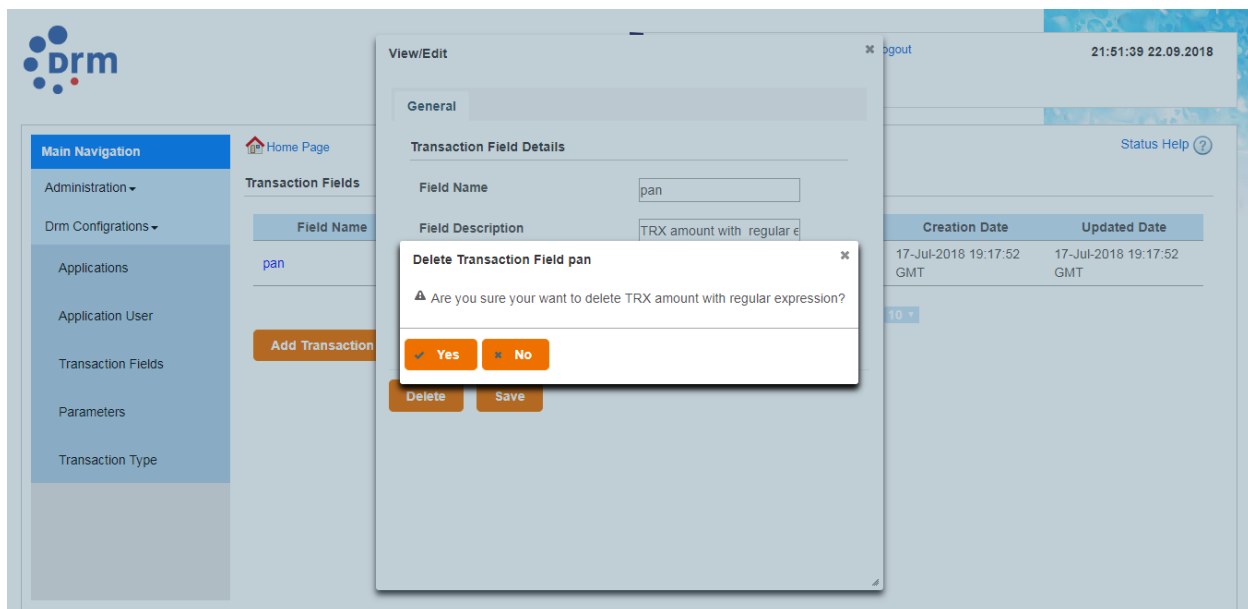
After finish editing all the fields, press "Save" button on the bottom to save.

To remove Transaction Field

To remove Transaction Field, press on "Delete" button



Then the following will appear:



You can confirm the delete by pressing "Yes" button or cancel it by pressing "No" button

Parameters Tab

The screenshot shows the DRM Parameters tab. The left sidebar has a 'Main Navigation' menu with 'Parameters' highlighted by a red arrow. The main content area displays a table of DRM parameters. A red box highlights the first parameter, 'Server_key', which has a long alphanumeric value. Below it are other parameters like 'Tokean_length', 'Tokean_expire', 'IP_lock_count', and 'IP_lock_Admin'.

Parameter Name	Parameter Value	User Name	Creation Date	Updated Date
Server_key	moEvVFHah3q9762K3bSN 1YkU717Mk1rKMTRYbH35 AhhOngqADysUGpnGE8fa R9FPIYBBnzPF7jG7yWxO Gbnlj1BdSxmGeCcMMA8Ja jcJ6zl3bdXCR3OYZYRSsZ VScCH5xN3RQL81Wc1JjAf 3kxdlz2cJ2MQ469QJA8yST 1GnGAT3OMhhsM258Sv70 rFRBj5FZdyTOGH8ynV1FU 3eNMzY2YJ8HeDCMFJAle 457esdzl1hbkfVYyLzV8Hm6 5Ho	SPECTRA	17-Jul-2018 19:17:52 GMT	17-Jul-2018 19:17:52 GMT
Tokean_length	16	SPECTRA	17-Jul-2018 19:17:52 GMT	17-Jul-2018 19:17:52 GMT
Tokean_expire	30	SPECTRA	17-Jul-2018 19:17:52 GMT	17-Jul-2018 19:17:52 GMT
IP_lock_count	3	SPECTRA	17-Jul-2018 19:17:52 GMT	17-Jul-2018 19:17:52 GMT
IP_lock_Admin	1	SPECTRA	17-Jul-2018 19:17:52 GMT	17-Jul-2018 19:17:52 GMT

You can use "Parameters" tab to find all DRM Parameters.

Add new Parameter

To add new Parameter, press "Add Parameter" button

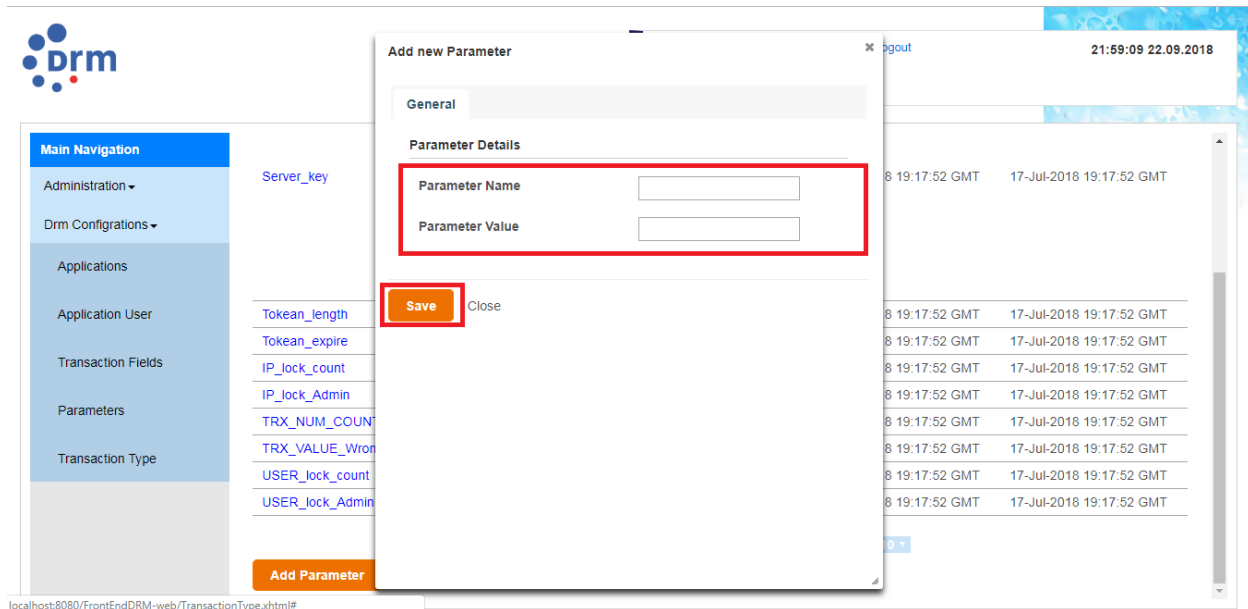
This screenshot shows the DRM Parameters tab with a list of 9 parameters. The 'Parameters' tab is selected in the sidebar. At the bottom of the table, there is a red box containing the 'Add Parameter' button. The table lists parameters such as 'Server_key', 'Tokean_length', 'Tokean_expire', 'IP_lock_count', 'IP_lock_Admin', 'TRX_NUM_COUNT', 'TRX_VALUE_Wrong', 'USER_lock_count', and 'USER_lock_Admin'.

Parameter Name	Parameter Value	User Name	Creation Date	Updated Date
Server_key	Gbnlj1BdSxmGeCcMMA8Ja jcJ6zl3bdXCR3OYZYRSsZ VScCH5xN3RQL81Wc1JjAf 3kxdlz2cJ2MQ469QJA8yST 1GnGAT3OMhhsM258Sv70 rFRBj5FZdyTOGH8ynV1FU 3eNMzY2YJ8HeDCMFJAle 457esdzl1hbkfVYyLzV8Hm6 5Ho	SPECTRA	17-Jul-2018 19:17:52 GMT	17-Jul-2018 19:17:52 GMT
Tokean_length	16	SPECTRA	17-Jul-2018 19:17:52 GMT	17-Jul-2018 19:17:52 GMT
Tokean_expire	30	SPECTRA	17-Jul-2018 19:17:52 GMT	17-Jul-2018 19:17:52 GMT
IP_lock_count	3	SPECTRA	17-Jul-2018 19:17:52 GMT	17-Jul-2018 19:17:52 GMT
IP_lock_Admin	1	SPECTRA	17-Jul-2018 19:17:52 GMT	17-Jul-2018 19:17:52 GMT
TRX_NUM_COUNT	16	SPECTRA	17-Jul-2018 19:17:52 GMT	17-Jul-2018 19:17:52 GMT
TRX_VALUE_Wrong	1	SPECTRA	17-Jul-2018 19:17:52 GMT	17-Jul-2018 19:17:52 GMT
USER_lock_count	3	SPECTRA	17-Jul-2018 19:17:52 GMT	17-Jul-2018 19:17:52 GMT
USER_lock_Admin	1	SPECTRA	17-Jul-2018 19:17:52 GMT	17-Jul-2018 19:17:52 GMT

9 Parameter(s) / 1 page(s)

Add Parameter

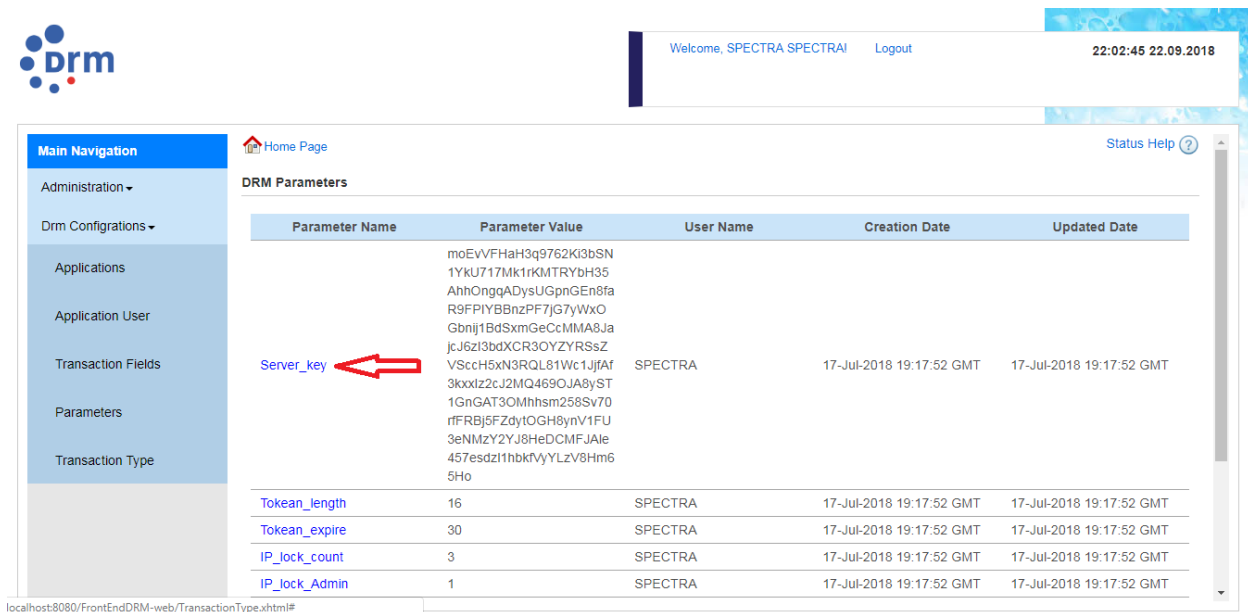
Then the following will appear:



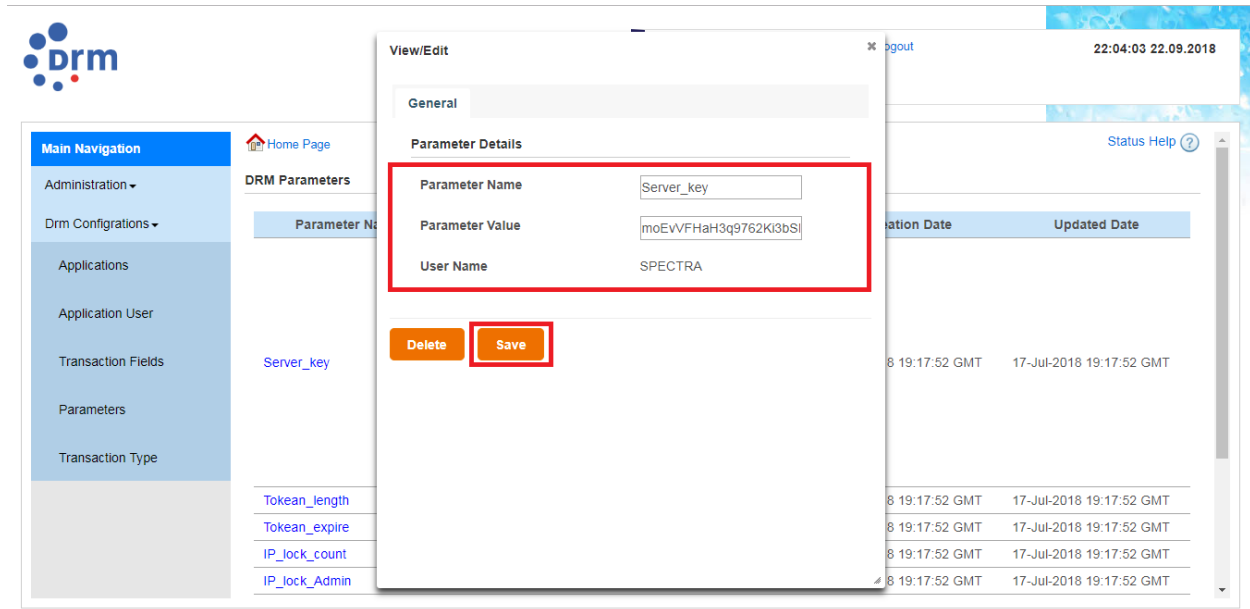
After finish editing all the fields, press “Save” button on the bottom to save.

Edit or Remove Parameter

To edit or remove Parameter, press on Parameter Name



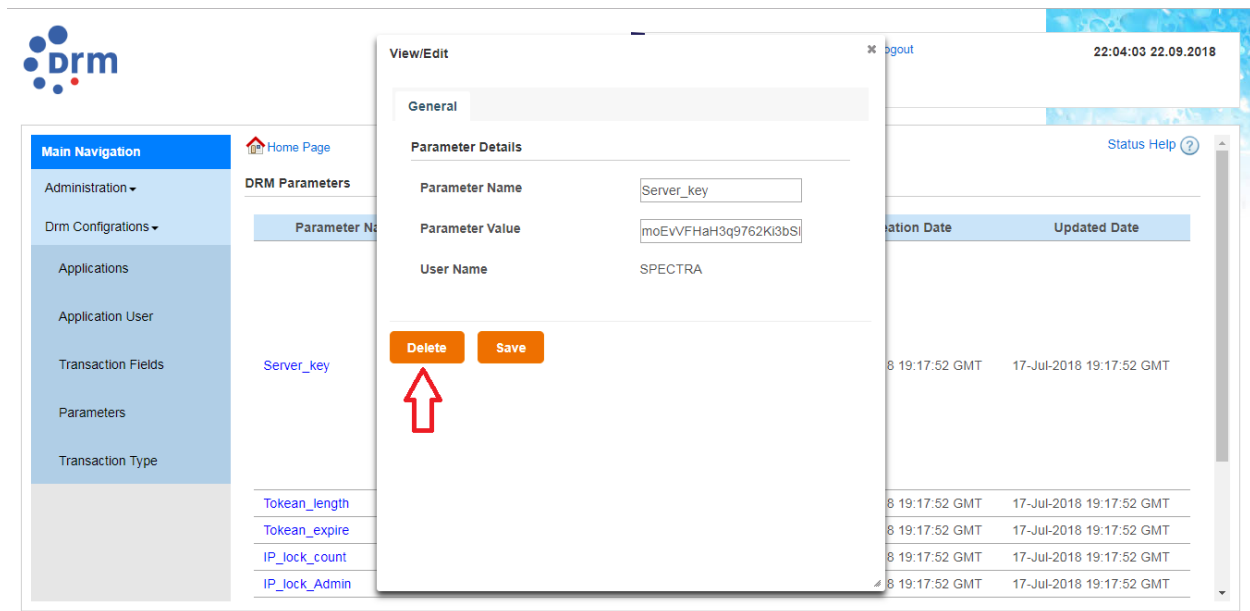
Then the following will appear:



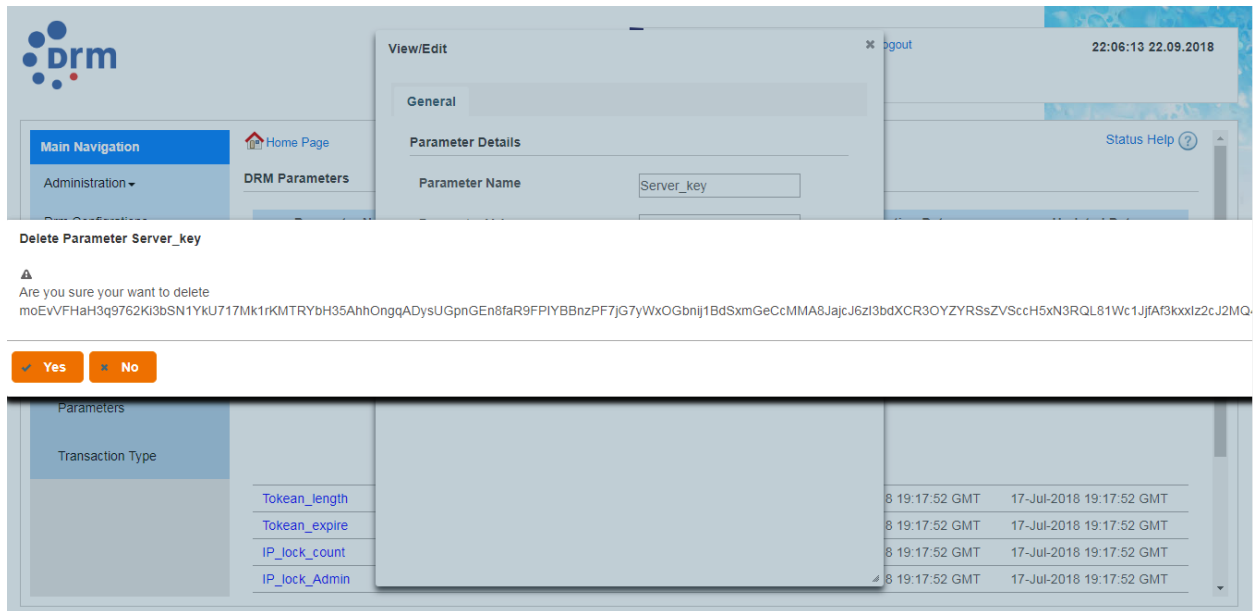
After finish editing all the fields, press “Save” button on the bottom to save.

To remove Parameter

To remove Parameter, press on “Delete” button

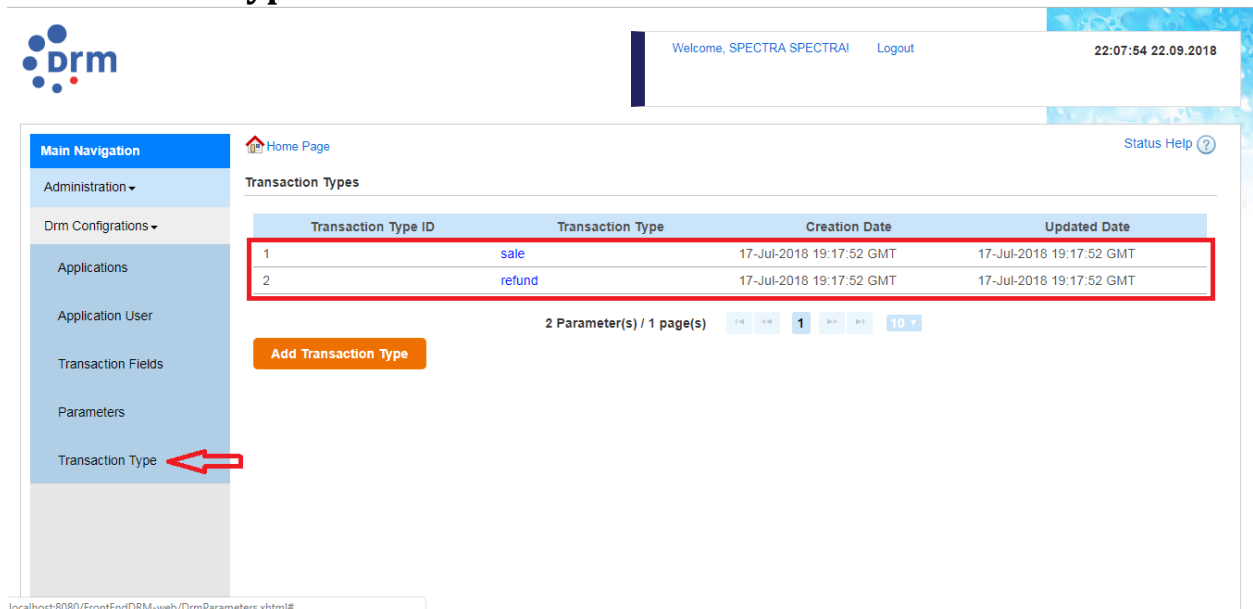


Then the following will appear:



You can confirm the delete by pressing “Yes” button or cancel it by pressing “No” button

Transaction Type Tab



You can use “Transaction Type” tab to find all Types of transactions.

Add new Transaction Type

To add new Transaction Type, press “Add Transaction Type” button

The screenshot shows the DRM application interface. The top header includes the DRM logo, a welcome message for 'SPECTRA SPECTRAI', a 'Logout' link, and the current date and time: '22:07:54 22.09.2018'. The left sidebar contains a 'Main Navigation' menu with options: Administration, Drm Configurations, Applications, Application User, Transaction Fields, Parameters, and Transaction Type. The 'Transaction Type' option is highlighted with a red arrow. The main content area displays a table titled 'Transaction Types' with columns: Transaction Type ID, Transaction Type, Creation Date, and Updated Date. The table contains two rows: ID 1 with type 'sale' and ID 2 with type 'refund'. Below the table, there is a red button labeled 'Add Transaction Type' and a pagination control showing '2 Parameter(s) / 1 page(s)' with a page number '1' and a dropdown menu.

Transaction Type ID	Transaction Type	Creation Date	Updated Date
1	sale	17-Jul-2018 19:17:52 GMT	17-Jul-2018 19:17:52 GMT
2	refund	17-Jul-2018 19:17:52 GMT	17-Jul-2018 19:17:52 GMT

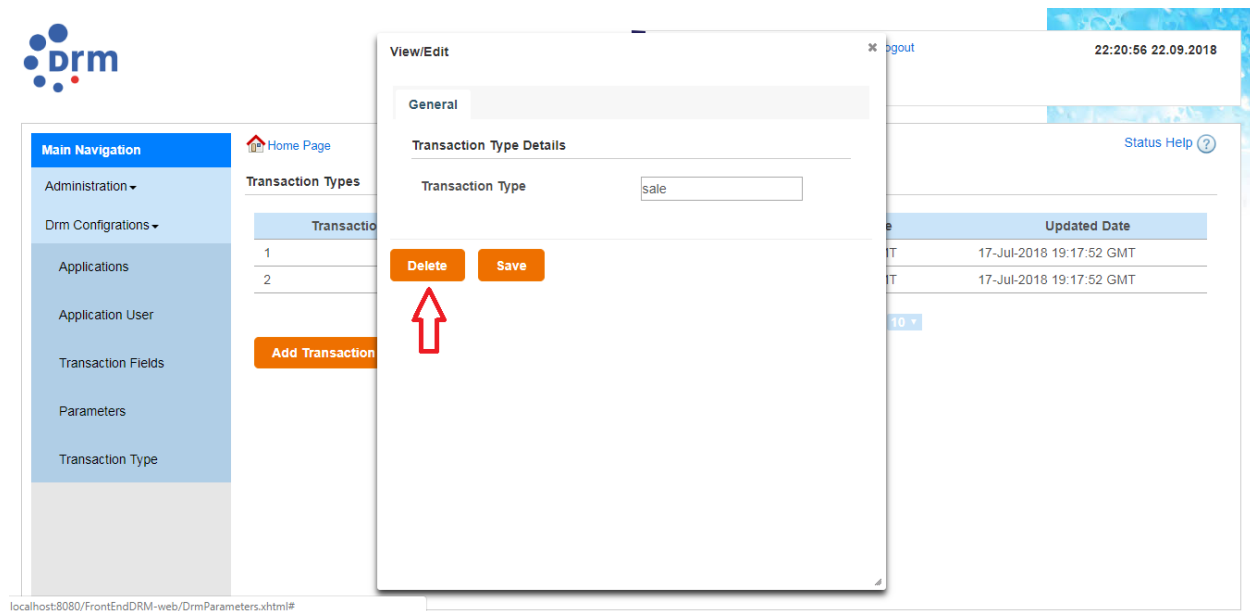
Then the following will appear:

The screenshot shows the 'Add new Transaction Type' dialog box. The dialog has a title bar 'Add new Transaction Type' and a close button. It contains a 'General' tab and a 'Transaction Type Details' section. In the 'Transaction Type Details' section, there is a text input field labeled 'Transaction Type' and a red 'Save' button. The background shows the same DRM application interface as the previous screenshot, with the 'Transaction Types' table and the 'Add Transaction Type' button visible.

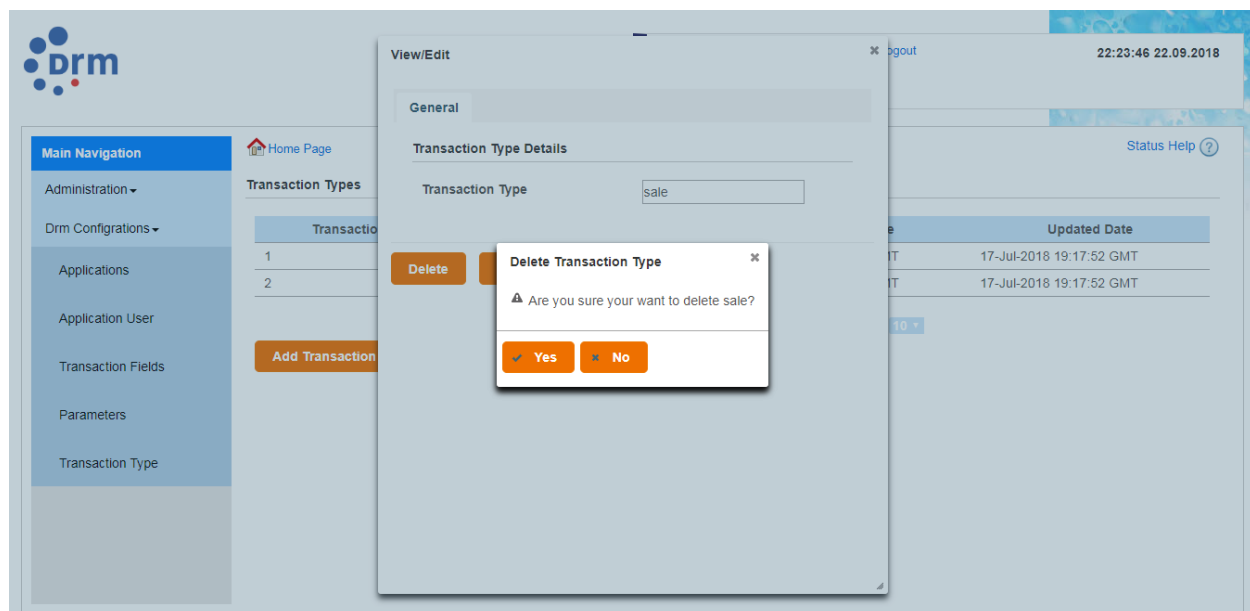
After finish editing all the fields, press "Save" button on the bottom to save.

Edit or Remove Transaction Type

To edit or remove Transaction Type, press on Transaction Type



Then the following will appear:



You can confirm the delete by pressing “Yes” button or cancel it by pressing “No” button

