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List of abbreviations and software used

| Abbreviation | Description |
|---|---|
| SW | Software |
| ATM | Automatic Teller Machine |
| | |
| | |
| Name | Description |
| Name WebIUS Workstation Application | Description Graphical user interface providing access to system settings and monitoring |

WebIUS Updater Agent



1. Introduction

1.1 Subject of description

This document is the user manual for the **«WebIUS Workstation Application»** system element **«WebIUS Updater»**. It describes the basic concepts and lists the functionalities.

1.2 Purpose of the system

The purpose of the **«WebIUS Workstation Application»**, hereinafter **«Workstation»**, is to enable users to perform various actions related to the management and control of ATMs.

The **"Workstation"** software is an element of the **"WebIUS"** system, which is an interface that contains a variety of tools for managing the system and connected devices.

The primary functions of the **"Workstation"** are as follows:

- Adding new users and ATMs and managing them.
- Control and monitoring of both single and group ATMs.
- Creating, editing and assigning configurations to ATMs.
- Sorting and grouping devices according to various parameters

1.3 Target audience

The target audience are specialists whose responsibilities include ATM operation maintenance.

2. Basic concepts and elements of the system

2.1 Roles and users

In **«Workstation»** all operations are performed on behalf of authorized users.

Each user of the system is assigned a role with set privileges. The system has an initial set of roles that are not subject to change::

- **Administrator** Users of this role are granted all system privileges with the exception of those associated with the ATM and Service roles.
- **ATM** Users of this role are technical users who are authorised to carry out specific ATM transactions. Users of this role cannot work via «Workstation».
- Service Users of this role are technical users who are authorised to carry out operations related to additional services that are in operation within the system. Users of this role cannot work via "Workstation"

Role management see section 3.11. User management see section 3.15, para 3.4 (for ATM). Management of active users see section 3.12. Monitoring devices see section 3.9. Manage ATM groups see section 3.3. View ATM's that have been changed see section 3.8.

If you need to configure the personal menu and change the user password, please refer to the **«WebIUS Workstation Menu Settings»** guide.

2.2 Tags

A tag is an identifier intended for remote extension of **"WebIUS"** functionality.

These tools can be used to group and manage devices by properties and various attributes (e.g., a group of ATMs with cache recycling function or a group of devices intended for testing pilot builds).

Tags provide an opportunity to influence the behaviour of the scenario due to their appearance from the business logic script.

Adding tags when creating new ATM see section 3.4.

Tag management see section 3.5.

If you need to configure the personal menu and change the user password, please refer to the **«WebIUS Workstation Menu Settings»** guide.

2.3 Configuration, configuration packages, actions, plugins

The configuration and configuration packages

In the **"WebIUS"** system, configuration is defined as a set of packages that determine ATM operation. The following may be included:

- graphic packages displayed on the device after installation,
- business logic packages that allow client to interact with ATM,

• packages with additional settings, and a certain list of actions, assigned to the package if you need to manipulate the files of the package itself or ATM.

The configuration can contain one or more packages, each of which consists of a zip archive and an action set.

If the number of packages exceeds **10pcs.** it is recommended to combine some packages into one.

The configuration is delivered to the device using the **"WebIUS Updater Agent"** installed on the ATM. For instructions on how to install **«WebIUS Updater Agent»** on ATM, please refer to the document **«WebIUS Updater Agent Install Manual»**.



Configuration management see section 3.6.

Configuration package management see section 3.7.

«WebIUS Updater Agent» management see section 3.13.

Management **«WebIUS Server»** see section 3.14.

Actions and plugins

Action refers to a procedure performed on the configuration package. The **"WebIUS"** system is characterised by a set of actions that are strictly regulated, with each action being executed by a plugin. A plugin is a zip archive that enables the execution of non-standard actions on an ATM or server.

The "WebIUS Workstation" offers four types of actions:

- Actions performed before unpacking the configuration package;
- Actions performed after unpacking the configuration package;
- Actions performed when checking the status of a package;
- Actions performed when a package is deleted.



Action management see section 3.1.

Plugins management see section 3.10.

3. System functionalities

3.1 Actions

The page is intended for displaying actions (see Fig. 1).

The majority of the page is a list of actions existing in the system.

The list has two fields: "Name" and "Plugin". Each action also has buttons «Edit», «Export» and «Delete».

| WebIUS Workstation | About Contact Menu Configure | | | 💄 system | n 🕣 Logout |
|--|--|--------------------------------|--------|----------|------------|
| WebIUS Server Settings ATM Groups Monitoring | Actions | | | | |
| Users Online Plugins | Create Action | | | | Q |
| Role Configure ATM tags | | | | | |
| Configurations | AlwaysTrue | wuap_Test | C Edit | Export | |
| Configuration Packages | AlwaysFalse | wuap_AlwaysFalse | 🥜 Edit | 🖋 Export | |
| Events | [TellMeSec] Install | wuap_TellMeUpdater | 🖋 Edit | 🖋 Export | |
| WebIUS Users | [TellMe] Update | wuap_TellMeUpdater | 🥟 Edit | 🖋 Export | |
| ATM List | SBKZ_rem_old_dlls | wuap_OS | 🥜 Edit | 🖉 Export | Delete |
| Actions | [WebIUS Browser] Set registry values[OPEN TellME+gr] | wuap_OS | 🥜 Edit | 🖋 Export | |
| WebIUS Agent Versions | [TellMe] Check Update | wuap_TellMelsUpdateNeeded | 🥜 Edit | 🖋 Export | |
| | UpdateTellMeTest | wuap_TellMeUpdater | 🥜 Edit | 🖋 Export | |
| | OlegTestAction | wuap_PackageConsistencyChecker | 🧪 Edit | 🖋 Export | |
| | SBKZ Graph run setup.bat | wuap_OS | Edit | Export | Delete |
| | | 1 2 3 4 5 6 7 > | | 2 | 3 |
| | | | | | |

Fig. 1 - Actions page

Creating new action

In order to complete this task, it is necessary to press the **'Create action'** button. In the window fill in the fields (see Fig. 2):

- «Name» field Latin characters, maximum length 256c;
- «Timeout for action(sec)» field;
- Drop-down list «Plugin» to select the plugin;
- «JSON with parameters» field.

T Instead of entering parameters manually, the user can select one of the templates presented in the **'Template list'** section and press the **'Use'** button (see Fig. 2(1)).

Once all fields have been completed, press the 'Create' button (see fig. 2(2)).

| WebIUSWorkstation | About Contact Menu Configure | 💄 system | ➔ Logout |
|------------------------|-------------------------------------|----------|----------|
| WebIUS Server Settings | | | |
| ATM Groups | Create action | | |
| Monitoring | | | |
| Users Online | Current action data | | |
| Plugins | Name JSON with parameters | | |
| Role Configure | ActionForTest Enter JSON parameters | | |
| ATM tags | Timeout for action(sec) | | |
| Configurations | | | |
| Configuration Packages | Plugin wuap Test | | |
| Events | | | |
| WebIUS Users | Create 2 | | |
| ATM List | | | |
| | | | |
| WebIUS Agent Versions | Template list | | ^ ↓ × |
| | Name | | ns |
| | wait | 👉 Usi | • |
| | upTime | 👉 Usi | |
| | tags | 👉 Usi | • |

Figure 2 - Creating an action

Action editing

To change an existing action in the system, press **'Edit'** (see Fig. 1 (1)), which is located on the same line as the modified object. On the editing page that opens, you can make the necessary changes and press **'Save'**.

Action export

To export the action file, press the appropriate **'Export'** button on the **'Actions'** page (see Fig. 1 (2)).

Delete action

If the action is not applied anywhere, the **'Delete'** button will be displayed opposite it in the action list (see Fig. 1 (3)). Otherwise, this action must be excluded from the configuration packages where it is used before it can be removed.

3.2 ATM Condition

This page is intended for monitoring the selected device (see Fig. 3).

| WebIUS Workstation | About Contact Menu Configure | | New Events Info 1 X Clear |
|------------------------|--|---|------------------------------|
| WebIUS Server Settings | | | • Error 188 |
| ATM Groups | ATM <u>"NewAtm"</u> Condition | | |
| | | | |
| Users Online | ATM settings: | | |
| Plugins | Name: NewAtm | Configuration: TellME01 01 05 06 2428 + ConfGr - | |
| Role Configure | | VVTest4 | |
| ATM tags | | | |
| Configurations | | | |
| Configuration Packages | | 9/22/2020 10:33:19 AM | |
| Events | | | |
| WebIUS Users | ATM monitoring values | | |
| ATM List | An introducing values | | |
| Actions | WebIUSUpdaterInfo | | × |
| WebIUS Agent Versions | data | | |
| | Configuration name TellM501010:506:2428 + ConfGr - VVTestA state packages 0 name TellMEUpdate010105:06:2428 state Not Installed 1 | | |

Fig. 3: ATM Condition Page

This page contains the following:

- «ATM settings» section with basic ATM information (id, ATM information, installed configuration, date of registration, address);
- «ATM monitoring values» section, displaying the package installation order, ATM status and update date;
- «ATM last events» list containing information about successful updates and errors.
- «ATM Configuration History» list containing information about updates (date of execution, configuration name, user performing the update and result of actions).

To quickly access the ATM settings editing page, press the «id device» button in the **«ATM Condition»** header (see Fig. 3 (1)) and then modify the ATM settings on the opened page.

3.3 ATM Groups

This page is intended for displaying and managing ATM information

(see Fig. 4).

| WebIUS Workstation | About C | ontact Men | u Configure | | | | | | | | 🛓 system 🏼 Ə Logout | |
|--|------------|------------------|----------------|----------------------|----------------|-------|--|-------|-----------|---|---------------------|--|
| WebIUS Server Settings | ATM Group | ps | | | | | | | | | | |
| Monitoring Users Online Plugins | Select all | 2 Manage sele | cted Load | 4 ATM's from file | | | | 1 | | 3 | | |
| ATM tags | 15275 | 15352 | 15758 | 15816 | 16126 | 16387 | 16515 | 16521 | 16532 | Filters | | |
| Configurations Configuration Packages | 16625 | 17386 | 17420 | 17789 | 24115 | 25984 | 27043 | 27045 | 33032 | Tags #test | Ŷ | |
| Events | 33034 | 33058 14089 | 33092 15211 | 33128 15250 | 33129 15734 | 77262 | 77297 | 77455 | 77702 | #GroupC #GroupB | | |
| WebIUS Users ATM List | 16599 | 17073 | 17234 | 17390 | 17437 | 25050 | 25427 | 25493 | 25718 | #GroupA #200114 | | |
| Actions | 25778 | 25793 | 25828 | 27062 | 33002 | 33019 | 33126 | 33134 | 33139 | Configuration Empty | ^ | |
| WebIUS Agent Versions | 77159 | 77289 | 77550 | 78174 | 78196 | 78250 | 78466 | 78680 | 78930 | AlwaysTrue TellME01.01.05.06.2428 + ConfGr - VVTest4 | | |
| | 16687 | 17344 | 17440 | 17473 | 17474 | 17485 | 17497 | 17520 | 17725 | TellME01.01.05.06.2428 + ConfGr - VVTest AlwaysFalse | | |
| | 24033 | 24078 | 25601 | 25664 | 25681 | 33088 | 77364 | 77650 | 77973 | SBKZ_NEW_GRAPH[v1.0.0.25][PROD] | | |
| | 78065 | 78069 | 78154 | 78216 | 78459 | 78465 | 78562 | 78686 | 78888 | TellME01.01.05.06.2428 + Graph | | |
| | 78890 | 15045 | 15168 | 15169 | 15171 | 15177 | 15235 | 15809 | 16287 | WS NewGraph.v1.0.3.15[Test] ExitTest3 | | |
| | 25513 | 25921 | 33007 | 33097 | 33144 | 77115 | 77336 77416 77562 ExitTest ExitTest | | ExitTest2 | | | |
| | 77802 | 78014 | 78070 | 78462 | 077945 | 14084 | 15244 | 15458 | 15814 | TellMEUpdate01.01.05.06.2428 + RuslanTestCo Ruslan.onen.testConf | nf | |

Fig. 4: «ATM Groups» page

ATM group management

On the **«ATM Groups»** page, you can manage ATM groups. To do this, select the required ATM from the list of all installed devices and press the **«Manage Selected»** button (see Figure 4, points 1 and 2) to go to the **«ATM Group Management»** page (see Figure 5). To select all ATMs, press **«Select all»** followed by **«Manage selected»**. The user can then change the configuration and state for the ATM group (see Fig. 5 (1, 2)), add a tag (3), export the device ID (4) or remove the group (5).

| WebIUSWorkstation | About Contact Menu Configure | 🛓 system 🕣 Logout |
|---|--|-------------------|
| WebIUS Server Settings ATM Groups Monitoring | ATM Group Management | |
| Users Online Plugins Role Configure ATM tags Configurations | Configure Empty V Set Configure 1 | 2 |
| Configuration Packages Events WebIUS Users ATM List Actions | Set tag Seicet tag. V Set Tag Delete Tag | 3 |
| WebiUS Agent Versions | Export Export Delete Delete Delete | 5 |
| | ATM List 33090 33092 33128 | |

Fig. 5: Controlling multiple devices

ATM filtering

It is recommended that users search for specific devices using filters (see Fig. 4(3)). In **«Workstation»** ATM filtering by the assigned tags is provided.

To search the filter menu, select the desired parameter and press **'Show'**. The screen will then display all the filters that meet the device's requirements.

Load ATM from file

To do this, press **«Load ATM from file»** and select a file containing the device ID list in the opened window (see Fig. 4(4)).

3.4 ATM List

The **«ATM List»** page contains a list of the ATMs opened in the system with the following fields: **Name, State, Configuration, Description, Address** and **Info**, as well as the **Edit** and **Delete** buttons (see Fig. 6).

| WebIUS Workstation | About | Contact | Menu Configure | | | | 💄 system | € Logout |
|------------------------|--------|------------|---|--------------|--------------------------------|-------------------|----------|----------|
| WebIUS Server Settings | | | | | | | | |
| ATM Groups | ATM li | st | | | | | | |
| Monitoring | | | | | | | | |
| Users Online | | | | | | | | |
| Plunins | • | Create ATM | | | | | | Q |
| Dela Canfornia | | | | | | | | |
| Role Configure | | | | | | | | |
| ATM tags | | | | | | | | |
| Configurations | 78250 | Ready | OPEN WebIUS Configuration[test_copy_of_package] | | | oki G8 telematika | C Edit | X Delete |
| Configuration Packages | 077945 | Ready | OPEN Old_graph | TM_test_4040 | | system | 🥜 Edit | 🗶 Delete |
| Events | 077777 | Ready | OPEN WebIUS Configuration | TM_test_23 | | system | 🥜 Edit | 🗙 Delete |
| WebIUS Users | 077863 | Ready | OPEN Old_graph | TM_test_Oki | | system | 🥜 Edit | 🗙 Delete |
| ATM List | 17789 | Ready | OPEN WebIUS Configuration | 20_01_24 | г. Пермь, ул. Пермская, ЗА | 20_01_24 | 🥜 Edit | 🗙 Delete |
| Actions | 17437 | Ready | OPEN WebIUS Configuration | 20_01_24 | г. Пермь, ул. К. Пожарского, 1 | 3 20_01_24 | 🥖 Edit | 🗙 Delete |
| WebIUS Agent Versions | 17473 | Ready | OPEN WebIUS Configuration | 20_01_24 | г. Пермь, ул. Монастырская, 4 | 3 20_01_24 | 🥖 Edit | 🗙 Delete |
| | 17474 | Ready | OPEN WebIUS Configuration | 20_01_24 | г. Пермь, ул. Гашкова, 19 | 20_01_24 | 🤌 Edit | 🗙 Delete |
| | 17497 | Ready | OPEN WebIUS Configuration | 20_01_24 | г. Самара, ул. Ленинская, д.12 | 0/A 20_01_24 | 🥖 Edit | 🗶 Delete |
| | 17520 | Ready | OPEN WebIUS Configuration | 20_01_24 | г. Пермь, ул. Попова, 21 | 20_01_24 | 🧪 Edit | X Delete |
| | | | | 1 2 3 4 | 55 > | | 1 | 2 |
| | | | | | | | | |

Fig. 6 – «ATM List» page

Creating a new ATM

On the **«ATM List»** page, the user must press **«Create ATM»** (see figure 7). On the **«Create ATM»** page, fill in the fields (see Figure 7).

- «Name» field: Latin characters only, maximum length 256c;
- State drop-down list to select the device status:
 - a. 'Ready' the device has access to the system;

- b. 'Blocked' system access is suspended until it is unblocked.;
- c. 'Deleted' access to the system is suspended and user data is saved to ensure the integrity of the system audit;
- «Configuration» drop-down list (used configuration);
- «Description» field (description) any characters, maximum length 512c;
- «Address» field any characters, maximum length 512c;
- «Expiration date» field (date on which the device registration ends).
 When this date arrives, the device's status changes to «Blocked»
- «Info» field (additional information) any characters, maximum length 512c;
- «Password» field any characters, length not less than 20 characters;
- «Password Confirm» field.

You can also add a new ATM tag using the drop-down list **'ATM tags'** (see Fig. 7(1)). After filling in all the fields, press 'Create' (see Fig. 7(2)).

| WebIUS Workstation | About Contact Menu Configure | system 🕣 Logout |
|------------------------|--|-----------------|
| WebIUS Server Settings | | |
| ATM Groups | Create ATM | |
| Monitoring | | |
| Users Online | Name ATM tags | |
| Plugins | newAlm / / / / // // // // // // // // // // | |
| Role Configure | State // #Tag_for_test | ~ |
| ATM tags | Noted y | |
| Configurations | Configuration Empty | |
| Configuration Packages | | |
| Events | ATTM for test | |
| WebIUS Users | | |
| ATM List | | |
| Actions | | |
| ACOURS | 10/13/2021 | |
| WebIUS Agent Versions | | |
| | | |
| | Password | |
| | | |
| | Password confirm | |
| | | |
| | Create 2 | |
| | | |

Fig. 7: Creating an ATM

ATM Editing

To change the ATM settings, the user must press the corresponding **'Edit'** button (see Fig. 6(1)) and edit the device data on the opened page.

Deleting ATM

To delete an ATM, press the **«Delete»** button (see Figure 6(2)) located on the same line as the name of the device to be deleted.

ATM Monitoring

To view the device information, go to the **«Monitoring»** page (see section 3.2.9).

3.5 ATM tags

The page displays information about tags added to the system (see Fig. 8). The list contains the fields **«Tag Value»** and **«Description»**.

| WebIUSWorkstation | About Contact Menu Configure | | 👱 system | Eogout |
|--|------------------------------|--------------------|----------|--------|
| Role Configure WebIUS Server Settings | ATM tags | | | |
| Monicoring WebiUS Users Users Online | Create ATM tag | | | |
| ATM Groups ATM List Events | | | | |
| Configuration Packages | #20014 #CroupA #CroupB | GroupA GroupB | | |
| Configurations Plugins | sGroupC sTlag_for_test | GroupC for test | | |
| WebIUS Agent Versions | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Fig. 8: «ATM tags» pag

Creating a new tag

To do this, the user should press the **«Create ATM tag»** button and fill in the fields on the opened page (see Fig. 9):

- «Tag Value»: Latin characters, maximum length 256;
- «Description»: any characters, maximum length 512c.

Then press «Create».

| WebIUS Workstation | About Contact Menu Configure | 🚊 system | ➔ Logout |
|--|---|----------|----------|
| WebIUS Server Settings ATM Groups Monitoring | Create ATM tag | | |
| Users Online Plugins Role Configure ATM tags | Tag Value Tag for Jest Description for rest | | |
| Configurations Configuration Packages Events Webill IS Likers | | | |
| ATM List Actions WebIUS Agent Versions | | | |
| | | | |
| | | | |

Fig. 9: Creating a tag

3.6 Configurations

The **«Configurations»** page contains a list of all configurations set in the system (see Fig. 10). The list consists of the following fields: **«Name»**, **«Create date»**, **«ATM count»** (the number of ATMs using the configuration), as well as **«Export»**, **«Edit»**, «Info», **«Create copy»** and **«Delete»**. The button for deleting a configuration only appears if the configuration is not assigned to any device.

| WebIUS Workstation | About Contact Menu Configure | | | | 🛓 system 🕣 Logout |
|--|---|------------------|-------------|-----------------------------|-------------------|
| WebIUS Server Settings ATM Groups Monitoring | Configurations List | | | | |
| Users Online Plugins | Create configuration | | | | Q |
| Role Configure | | | | | 10 |
| ATM tags | | | | | |
| Configurations | ExitTest3 | 20:20 14.09.2020 | 0 🔗 Export | 🧭 Edit 🖋 Info 🖆 Create copy | X Delete |
| Configuration Packages | ExitTest2 | 19:26 14:09:2020 | 0 🧳 Export | 🤌 Edit 💉 Info 🖓 Create copy | 🗶 Delete |
| Events | ExitTest | 17:57 14.09.2020 | 1 🧪 Export | 🥜 Edit 💉 Info 🖓 Create copy | |
| WebIUS Users | TellMEUpdate01.01.05.06 2428 + RuslanTestConf | 16:01 10.09.2020 | 1 🥒 Export | 🤌 Edit 💉 Info 🖓 Create copy | |
| ATM List | Ruslan_open_testConf | 19:54 09:09:2020 | 0 🥜 Export | 🤌 Edit 💉 Info 省 Create copy | 🗶 Delete |
| Actions | TellMEUpdate01.01.05.06.2428 | 15:17 08:09:2020 | 0 🥜 Export | 🤌 Edit 💉 Info 🖓 Create copy | 🗶 Delete |
| WebIUS Agent Versions | TellMEUpdate_test2 | 15:39 01.09.2020 | 0 🥜 Export | 🤌 Edit 💉 Info 省 Create copy | 🗶 Delete |
| | lamGrut | 17:13 31.08.2020 | 0 🥜 Export | 🥖 Edit 🖋 Info 🖓 Create copy | 🗶 Delete |
| | TellMEUpdate_firstTest | 15:04 01.09.2020 | 0 🥜 Export | 🤌 Edit 💉 Info 省 Create copy | X Delete |
| | TellMeUpdateTestConfig | 04:32 11.08.2020 | 0 🖉 Export | 🥖 Edit 🥒 Info 🖓 Create copy | X Delete |
| | | | < 1 2 3 4 > | 2 3 4 | 5 |
| | | | | | |

Fig. 10: Configurations page

Create a configuration

On the **«Configurations»** page, press the **«Create Configuration»** button. On the page that opens, fill in the fields (see Fig. 11).:

- «Name» field: Latin characters, maximum length 256 c.
- «Description» field (description): any characters, maximum length 512 c.
- The «Update Mode» drop-down list:
 - a. «Immediately» «WebIUS Updater Agent» will start updating the ATM configuration as soon as it receives information about it being set or changed;
 - b. «In the interval of time» «WebIUS Updater Agent» will only update the configuration on the ATM within the specified time interval;
- «Date of update» field is used to select the date on which «WebIUS Updater Agent» will start installing the configuration on the ATM. The «WebIUS Updater Agent» is based on the ATM's local date and time.
- «Update time interval» fields;
- «Package» drop-down list (see fig. 11 (1)). Packages will be downloaded to the device in the order in which they were added by the user to the web portal.

Then press **«Create»** (see Fig. 11(2)).

| WebIUS Workstation | About Contact Menu Configure | | | | | | 💄 system | ∋ Logo i |
|---|--|----------|---|---------------------------------------|-------|----------------|----------|-----------------|
| WebIUS Server Settings ATM Groups Monitoring | Create Configuration | | | | | | | |
| Users Online Plugins Role Configure ATM tags Configuretions | Configure description Name Test_Configuration Description for test | | Packages Position 1 Select package | Name Package for test ge to add | Check | Edit 📝 Edit | X Delete | |
| Configuration Packages Events WebIUS Users ATM List | | | Package for tes | | 1 | - | - | |
| Actions WebIUS Agent Versions | Configure settings Update Mode Immediately Date of update(DD MMYYYY): 16.10.2020 | | | | | | | |
| | Update time interval | | | | | | | |
| | 2359 Back to list Create 2 | <u>ی</u> | | | | | | |

Fig. 11 – Creating a configuration

Configuration export

If it is necessary to export the configuration file, the user should press the **«Export»** button corresponding to the selected configuration (see Figure 10(1)).

The file is exported in JSON format.

Configuration editing

To change the configuration settings, click «Edit»

(see Fig. 10 (2)) in the **«Configuration List**» menu.

On the editing page, you can change the update mode and time, as well as modify the set of configuration packages. To do this, click **«Edit»** in the **«Packages»** section and select the required package from the list.

Press **'Save'** to save the changes.

Viewing configuration information

To view this information, the user should press the **«Info»** button (see Fig. 10(3)). The selected configuration is presented in the following format:

- basic «Configuration settings» information (see Figure 12 (1)) which can be changed if necessary by pressing «Edit» (name of the configuration, description, date of creation, type of update, date and time of update);
- «List of configuration packages» (see Fig. 12 (2)) lists all the packages used in the configurations in the order they are loaded onto the device. Each package can be downloaded by clicking 'Download'. To export or view information about a package, press its name.
- **Actions before install**» list (see Fig. 12(3)) shows all the actions in the order they will be performed prior to installing a configuration on the device.
- **«Actions after install»** (Figure 12(4)) lists the actions performed after configuration installation on the device.
- «Actions for delete» (see Figure 12(5)) lists the actions to be performed during deletion.
- «Actions for check» (see Fig. 12(6)) lists the actions performed during a configuration check.

| WebIUSWorkstation | About Contact Menu Configure | E. | | | | ≗ system ∋ Logout |
|--|-----------------------------------|---------------------------------|---------------------------------|-----------------------|---------------------------|-------------------|
| WebIUS Server Settings ATM Groups Monitoring | Configuration "Configur | ation for test" Info | | | | |
| Users Online | Configuration settings Edit 🥜 | | | | | |
| Plugins Role Configure | Name Configuration for test | Description: for test | Create date 12:37 06.04.2020 | | Update date 04.06.2020 | |
| ATM tags | Update time period start 00:00 | Update time period end 23:59 | | | | 1 |
| Configurations | | | | | | |
| Configuration Packages | | | | | | |
| Events | List of configuration packages | | | | | 法法 然人 |
| WebIUS Users | Ma Marna | | | | | |
| ATM List | 1 Package for test | | 0 | Export | | 2 |
| Actions | | | | | | |
| WebIUS Agent Versions | Actions before install | | | Actions ofter install | | |
| | Actions before install | | <u></u> | Actions after install | | Â |
| | Action | Package | 3 | Action | Package | 4 |
| | | | | | | |
| | Actions for delete | | | Actions for check | | ~ |
| | Action | Package | 5 | Action | Package | 6 |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Fig. 12 - View configuration

Creating a configuration copy

To do this, go to the **«Configurations»** page and press **«Create Copy»** button (see Fig. 10(4)) located opposite the configuration to be copied. You can then change the name and description, as well as the update mode, time and package content in the **«Packages»** list. To save the changes, press **«Create»**.

Deleting a configuration

You can only delete a configuration if no ATM is assigned to it. In this case, the **«Delete»** button will be displayed opposite it in the **«Configurations List»** (see Fig. 10(5)).

3.7 Configuration Packages

On the **«Configuration Packages»** page, you can find a list of all configuration packages created in the system (see Fig. 13). The list consists of the following fields: **«Name»**, **«Changed»** (date and time of last changes), as well as buttons **«Download»**, **«Export»**, **«Edit»**, **«Create copy»**, **«Delete»**.

| WebIUS Workstation | About Contact Menu Configure | | | | 🛓 system 🕣 Logout |
|--|-------------------------------------|---------------------|--|----------------------|-------------------|
| WebIUS Server Settings ATM Groups Monitoring | Configuration packages list | | | | |
| Users Online Plugins | Create package | | | | Q |
| Role Configure | | | 1 0 | | |
| AIM tags | | | | | |
| Configurations | Weblus Script(v10.0.58) | 2020.08.25 14:46:37 | Download Export | Edit Create copy | |
| Configuration Packages | Rebeat(1039) | 2020.07.29 03:42:47 | Download Download | Create copy | |
| Events | Webli ISBrowser Config SBK7[v 2015] | 2020.06.30.01.30.13 | Download Popular Popular Popular | | Mr. Dolata |
| WebIUS Users | WebIUSBrowser SBKZ[v2.0.1.5] | 2020.06.30 01:19:29 | Download Download Download Download Download | Edit Greate copy | C M Delete |
| ATM List | WebIUS ConfigNDC SBKZ[v1.0.0.2] | 2020.06.30 00:33:37 | 🖉 Download 🧳 Export | ∠ Edit 4 Create copy | 5 X Delete |
| Actions | SBKZ WebIUS Script[v10.0.20] | 2020.06.30 00:31:05 | 🧪 Downloac 🥜 Export | Edit Create copy | |
| WebIUS Agent Versions | open_advertising[v1.0.0.13] | 2020.06.05 15:13:51 | 🔗 Downloac 🕜 Export | 🥜 Edit 🖓 Create copy | |
| | WebIUS Script[v1.0.0.32] | 2020.06.04 22:39:59 | 🥒 Downloac 🥒 Export | 🤌 Edit 🤷 Create copy | |
| | OPEN_New_Graph[v.10.0.29] | 2020.06.04 18:57:03 | 🤌 Downloac 🥒 Export | 🥜 Edit 🥢 Create copy | |
| | | (123) | 4 5 6 7 8 9 10 11 12 13 | | |
| | | | | <u> </u> | |
| | | | | | |
| | | | | | |
| | | | | | |

Fig. 13 - «Configuration Packages» page

Creating a configuration package

To do this, click **«Create package»** on the **«Configuration Packages»** page. On the opened **«Create configure package»** page, the user should fill in the following fields: (see Fig. 14):

- «Name» (package name) any characters, maximum length 256c;
- «Info» (package description) any characters, maximum length 512c;
- «File» (configuration package file): the file should be a ZIP archive containing configuration files.
- «Action list before unpacking»;
- «Action list after unpacking» list;
- «Action list for delete» list;
- Action list for check package (see Figure 14(1)).
- You then need to press «Create» (see figure 14(2)).

| WebIUS Workstation | About Contact Menu Configure | | | | 👤 system 🛛 🔂 Logout |
|--|---|---|--|-------------------|---------------------|
| WebIUS Server Settings ATM Groups Monitoring | Create configure package | | | | |
| Users Online Plugins Role Configure ATM tags | Package description Name Package for test Info: | | | | |
| Configurations Configuration Packages Events WebiUS Users | | | | | |
| Actions WebIUS Agent Versions | Change Ma 2 | 1 | A del - Bat offer a surray delay | | |
| | Action list before unpacking Order Action No action | | Action list arter unpacking Order Action 1 test1 | n X Delete | |

Fig. 14 - Creating a configuration package

Downloading configuration package

To download the package, the user must press the **«Download»** button (see Fig. 13(1)) on the same line as the selected package. A ZIP archive will then be downloaded to the user's device.

Exporting configuration package

The configuration package file is exported by pressing the corresponding **«Export»** button (see Fig. 13(2)). The file is exported in JSON format.

Editing configuration package

If changes are required, the user should press **«Edit»** (see Fig. 13(3)). On the **«Package edit»** page, you can edit the set of actions and modify the package file. To add a new action, select it from the drop-down list. To delete an action, press **«Delete»**. You can modify the package file by clicking **«Change Package File»**.

After editing the action set, click the **«Save»** button. When changing the package file, click **«Save File»**.

Creating a copy of the configuration package

To do this, click **«Create Copy»** (see Figure 13(4)) on the same line as the selected package.

On the opened page, fill in the «Name» field with the new version of the package. Press **«Upload File»** and select the required package file. Finish creating the copy by pressing **«Create»**.

Deleting a configuration package

If the package is not used in any configurations, the **«Configuration packages list»** will be displayed with a **«Delete»** button opposite it (see Fig. 13(5)). Otherwise, the button will not be displayed.

3.8 Events

The **«Events»** page displays a list of ATMs from which new messages were received (see Fig. 15).

| WebIUSWorkstation | About Contact Menu Configure | 🚊 system | ➔ Logout |
|--|------------------------------|----------|----------|
| Role Configure WebIUS Server Settings Monitoring | ATMs with new Events | | |
| WebIUS Users Users Online | 78250 | | |
| ATM Groups ATM List Events | | | |
| Configuration Packages Actions | | | |
| Configurations Plugins WebIUS Agent Versions | | | |
| ATM tags | | | |
| | | | |
| | | | |
| | | | |

Fig. 15: «Events» page

View Events

Pressing the tile with the device ID will direct you to the selected ATM's monitoring page **«ATM Condition»** (see Fig. 3).

3.9 Monitoring

This page shows the status of all the ATMs registered in the system (see Fig. 16). All information comes from the **«WebIUS Updater Agent»** which is installed directly on the devices.

The 'General State' section contains:

- «Date» field (current date);
- «Time» field (current time);
- «Online ATM» field (number of active ATMs);
- «Offline ATM» field (number of inactive ATMs);
- «Warning ATM» field (number of ATMs requiring operator attention);
- A circular diagram that visually reflects the number of active/inactive/ATMs with error (green/red/yellow, respectively) as a percentage.

| WebIUSWorkstation | About G | ontact Men | u Configure | | | | | | | 🛓 system 🔄 Logout |
|---|--|--|--|---|---|--|---|---|--------|--|
| WebIUS Server Settings ATM Groups Monitoring | ATM Monit | toring | | | | | | | | Search Q |
| Users Online Plugins Role Configure ATM tags Configurations Configuration Packages Events WebIUS Users | General sta | ne 1996 | Date: 10/16/2020 Online ATM @ 1 Warning ATM @ 4 | | 1 | Time: 14:30.55 Offline ATM & 465 | | | ^ 2 | Filters Connection State Online Onlin |
| ATM List Actions WebiUS Agent Versions | 15361 25513 77536 15873 18178 77116 15352 25650 | 16126 25662 78079 16517 24066 77160 15425 25787 | 17445 27061 78155 17227 24112 78065 16570 25791 | 17452 33062 78195 17344 24117 15242 17245 26122 20154 | 17507 33143 78196 17479 25353 15244 17437 26494 20462 | 17637 77262 78214 17539 25553 15256 25050 33007 | 18182 77272 78467 17640 25908 15260 25493 33019 15280 | 24115 77317 15456 17706 33181 15336 25532 33092 16533 | | Update telline SBC2, NEW, CRAP4(pi.10.025[PROD) SBC2, NEW, CRAP4(pi.10.025[PROD) SBC2, NEW, CRAP4(pi.10.025[PROD) TellMED101.0506.02428 VS NewGraph.v1.03.15[Test] ExtTige:3 ExtTige:3 ExtTige:2 ExtTige:7 TellMEUpdate:01.01.0506.2428 + RuslanTestConf TellMEUpdate:01.01.0506.2428 TellMEUpdate:01.01.0506.2428 TellMEUpdate:1 |

Fig. 16 - page «Monitoring

A field below shows all the ATMs that have been registered in the system and submitted data at least once (see Fig. 16(1)).

Devices are shown in the form of tiles painted a certain colour depending on the device's state. Green means that the ATM has provided information within the last 5 minutes. Red indicates that information from the ATM has not been received for more than five minutes.

To view the ATM status, the user can press the tile with the device ID to go to the **«ATM Condition»** page.

ATM filtering

It is recommended that users search for devices based on a specific feature using filters (see Fig. 16(2)). In the **«Workstation»** section, there are ATM filters such as: **«Connection State»**, **«Configuration Installed»**, **«Configuration Assigned»**, **«Updater Version»**.

3.10 Plugins

The **«Plugins»** page displays information about the plugins in the system (see Fig. 17). The page contains a list of plugins with the following fields: **«Name»**, **«File Name»**, **«Type»**, **«Download»**, **«Export»**, **«Edit»**.

| WebIUSWorkstation | About Contact Menu Configure | | | | | 🚊 yanin | a-khodakova 🕣 Logout |
|--|--|---|--------|-------------|------------------|---------|----------------------|
| Configuration Packages ATM tags | Plugins | | | | | | |
| Role Configure WebIUS Server Settings Monitoring | Create Plugin | | | | | | Q |
| WebIUS Users Users Online | | | | | | | |
| ATM Groups | Plugin_test_empty | test.zip | action | Download | Export | Edit | X Delete |
| Events | wuap_TellMelsUpdateNeeded | wuap_TellMelsUpdateNeeded.zip | action | Lownload | Export | edit | |
| Configurations Actions | wuap_TellMeUpdater wuap_PackageConsistencyChecker | wuap_TellMeUpdaterzip wuap_PackageConsistencyChecker.zip | action | 🛓 Download | Export Export | 🥒 Edit | |
| WebIUS Agent Versions | test2 test1 | wuap_Test.zip wuap_Test.zip | action | 📩 Download | Export | 🥒 Edit | |
| Plugins | wuap_OPEN_GRAPH wuap_RebootOS | wuap_OPEN_GRAPH.zip wuap_RebootOS.zip | action | 📩 Download | Expert | 🖋 Edit | |
| | wuap_OS | wuap_OS zip | action | La Download | Export | | Ļ |
| | | | 1 2 > | | 2 | 3 | 4 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Fig. 17: «Plugins» page

Adding a new plugin

To add a new plugin, the user should press «Create plugin» On the opened page, the user needs to fill in the fields (see Fig. 18):

- «Name» field (plugin name): Latin characters only, maximum length 256c;
- § «Type» field (plugin type):
 - a. «action» plugins for «WebIUS Updater»;
 - b. «report» plugins for uploading reports on payments from **«WebIUS ECП»**.
- «Plugin file» field.

You can also create a template. To do this, fill in the «Template name» and **«Template action value»** fields, then press **«Create template»** (see fig. 18 (1)).

To save the changes, press **«Create»** (see Fig. 18(2)).

| WebIUS Workstation | About Contact Menu Configure | | | 💄 yanina-khodakova | € Logout |
|---|--|---|------------------------------------|--------------------|----------|
| Configuration Packages ATM tags Role Configure | Create plugin | | | | |
| WebULS Server Settings Monitoring WebUS Users Users Online ATM Groups | Plugin data Name Plugin for test Type action | | Plugin file Least xip Choise Re | | |
| AIM List Events Configurations Actions | Create custom template Template name |] | Template list Name | | |
| WebIUS Agent Versions Plugins | ted tenplate Template action value | | test_template | | |
| | Create Lamoide | 1 | | | |
| | | | | | |

Fig. 18 - Creating a plugin

Plugin download

If you need to download the plugin file, press the **«Download»** button (see Figure 17(1)), which is located on the same line as the selected plugin. The user can also download the plugin.

Plugin export

The plugin file is exported by pressing the corresponding **«Export»** button (see Fig. 17(2)).

Plugin editing

To change the plugin settings, press **«Edit»** (see Fig. 17(3)). On the **«Edit plugin»** page that opens, the user can load a new plugin file, edit or remove an old template, and create a new one.

Deleting a plugin

If the plugin is not being used anywhere, a «Delete» button will appear next to it in

the **«Plugins»** list (see Fig. 17(4)). Pressing this button will delete the plugin.

Otherwise, the button will not be displayed.

3.11 Role Configure

On the **«Role Configure»** page, the **«Roles list»** shows all the roles set in the system (see Fig. 19). The list consists of the following fields: **«Name»**, **«Description»**, **«Users count»** (the number of users under this role).

| WebIUS Workstation | About Contact Menu Configure | | | | 👱 system | ➔ Logout |
|--|---|--|---------------------------------|--------------------------------------|----------|----------|
| WebIUS Server Settings ATM Groups Monitoring | Roles list Как администратор организации, вы можете настраив | ать пользовательские роли, что позволяет расширить возможнос | ги управления и добавить гибкой | функциональности ролям Обозревателя. | | |
| Users Online Plugins Role Configure | Create role | | | | | Q |
| ATM tags Configurations | | | | | | |
| Configuration Packages | Service | Service Role | | | | |
| Events | AIM | ATM role Super user | 10 | | | |
| WebIUS Users | | | | | | |
| Attions | | | | | | |
| WebIUS Agent Versions | | | | | | |
| | | | | | | |
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Fig. 19: 'Role Configure' page

Creating a new role

To create a new role, the user should press **«Create role»** (see Fig. 20). On the opened page, fill in the fields (see Fig. 20):

- «Role Name» field Latin characters, maximum length 256c;
- «Description» field any characters, maximum length 512c;
- «Minimum password length» field;
- «Password expiration (days)» field: the default value is '0', which means the password never expires.
- «Reset password on first login» on/off button to indicate whether the password should be changed upon first login with this assigned role.
- 'Privilege list' (list of privileges available for this role) (see Figure 20(1)).

Then press 'Create' (see Fig. 20(2)).

| WebIUSWorkstation | About Contact Menu Configure | 🛓 system 🏼 🗗 Lagisat |
|--|--|--|
| WebIUS Server Settings ATM Groups Monitoring | Create Role | |
| Users Online Plugins Role Configure | Role settings: Role Name. Test Role | Privilege list # ATM tags # ATM Groups # Monheading |
| ATM tags Configurations Configuration Packages | Descpriston: for test Minimum password length: | |
| Events WebIUS Users | 8 Password expiration (days) 0-permanent: | Add Privilege 1 |
| ATM List Actions WebIUS Agent Versions | Reset password on first login Backto bit Create | |
| | | |
| | | |
| | | |

Fig. 20 - Creating a role

3.12 Users Online

The **«Users Online»** page contains a list showing information about users currently connected to the system (see Fig. 21).

The list consists of the following fields: **«Name»** (user name), **«IP»** (user device IP address), **«Port»**, **«Role»** (user role), **«Last action»** (time of last user activity), **«Disconnect»** button (interrupt user session).

| WebIUS Workstation | About Conf | tact Menu Configure | | | | 👱 system | ➔ Logout |
|--|--------------|---------------------|----|---------------------|-----------------------|------------|----------|
| WebIUS Server Settings ATM Groups Monitoring | Online users | list | | | | | |
| Users Online Plugins | | | Ro | ole Administrator 🗸 | | | Q |
| Role Configure ATM tags | | | | | | 10 | |
| Configuration Packages Events | system | 192.168.22.54 | | Administrator | 10/16/2020 3:29:43 PM | Disconnect | |
| WebIUS Users ATM List | | | | | | | |
| Actions WebIUS Agent Versions | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Fig. 21: «Users Online» page

User session interruption

If it is necessary to disconnect a user from the system, the administrator should press the **«Disconnect»** button (see Fig. 21(1)), which is located on the same line as the user whose session is to be interrupted.

3.13 WebIUS Agent Versions

The page contains a list of all installed versions of the **«WebIUS Updater Agent»** (see Fig. 22). The list consists of the following fields: **«version»** (version number), **«info»** (information), **«Download»** button (download version), **«Set current»** button.

| WebIUS Workstation | About Contact | Menu Configure | | 👱 system 🏼 Ə Logout |
|------------------------|------------------|----------------------------|--|---------------------|
| WebIUS Server Settings | | | | |
| ATM Groups | Updater versions | | | |
| Monitoring | | | | |
| Users Online | | | | |
| Plugins | Add new version | | | |
| Role Configure | | | | |
| ATM tags | | | | 2 * |
| Configurations | 10.1.25 | OB-136 4 tests only | Download | |
| Configuration Packages | | ONLYTEST(updateTellME) | n Download | Set current |
| Events | 10.1.21 | 10121 | 🧪 Download | Set current |
| WebIUS Users | 10.1.19 | 10119 | 🧨 Download | Set current |
| ATM List | 10.1.18 | WebIUSUpdater[10.1.18] | nter state and the state of the | Set current |
| Actions | | | 🧪 Download | Set current |
| WebIUS Agent Versions | 1.0.1.10 | 1.0.1.10_no_config | 💉 Download | Set current |
| | | Kestrel_app02_fork_1.0.1.6 | 💉 Download | Set current |
| | 10.16 | Kestrel_appO2 | 💉 Download | Set current |
| | 10.1.4 | Kestrel_server002_config | Download | Set current |
| | | | 1 2 2 | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Fig. 22: WebIUS Agent Version Page

Adding a new Updater version

To create a new version, the user should press «Add new version» button. On the opened **«Add Updater Version»** page, the user needs to fill in the fields (see Fig. 23)::

- «version» (version name) format «d.d.d.d»
- «info» (information) any characters, maximum length 512c;
- «Updater Archive» (the field for the Updater Agent version archive)

Once you have completed the process of creating a new update version, press **«Add to server»** (see fig. 23 (1)).

| WebIUSWorkstation | About Contact Menu Configure | 💄 system | € Logout |
|---|--|----------|----------|
| WebIUS Server Settings ATM Groups Monitoring | Add Updater Version | | |
| Users Online Plugins Role Configure ATM tags Configurations Configuration Packages | Plugin data version Test_Updater_Vension Info Test Add to server 1 | | |
| Events WebIUS Users ATM List Actions WebIUS Agent Versions | | | |
| | | | |
| | | | |

Fig. 23: Adding a new WebIUS Agent version

Downloading the Updater version

If the user needs to download the version, they should press the corresponding **«Download»** button (see Fig. 22(1)). A ZIP archive will then be downloaded to the user's device.

Setting the current Updater version

To set the current version for all agents in the **«WebIUS»** system, the user needs to press the **«Set current»** button (see Fig. 22(2)).

3.14 WebIUS Server Settings

The page displays the current global server settings (see Fig. 24). These settings cannot be changed.

The page shows the following settings (see Fig. 24(1)):

- «Option» field (name);
- «Value» field;
- «Info» field (description);
- «Change » button.

| WebIUS Workstation | About Contact Menu Co | onfigure | | | 👱 system | € Logout |
|------------------------|-----------------------|------------------------------|---|----------------|----------|----------|
| | | | | | | |
| ATM Groups | Server Settings | | | | | |
| Monitoring | | | | | | |
| Users Online | | | 2 | | | |
| Plugins | | | | | | |
| Role Configure | Export Menu | Export Roles | Export Plugins | Export Actions | | |
| ATM tags | Export Packages | ← | Export Configurations | Export Users | | |
| Configurations | | | | | | |
| Configuration Packages | | | | | | |
| Events | | | | | | |
| WebIUS Users | Option | Value | Info | | | |
| ATM List | UServiceVer | | Updater Version | | Change | |
| Actions | file_chunk_size_arm | 1010570 | Chunk size for upload | | | |
| WebIUS Agent Versions | | 1048576 | | | Change | |
| | LastChanges | 1602682024 | Last changes date for ATM agent | | Change | |
| | speed_limit | | Download speed limit in percents(value from 1 to 100) | | Change | |
| | UServiceVerHash | 097537D4B1DBAC6A9CD0A5CAD42B | | | Change | |
| | file_chunk_size | 1048576 | Chunk size for file transfer | | Change | |
| | | | | | | |

Fig. 24: The «WebIUS Server Settings» page

Parameter export

To export the system parameters, the user should press one of the **«Export»** buttons on the page (see Fig. 24(2)).

The file is exported in JSON format.

Parameter import

To import parameters, press the «Import» button (see Fig. 24 (3)). In the window that opens, select::

- «Import Entity» (import object) selection of objects set in the system;
- «Import Mode»:
- «Only add» to add elements. If the elements are present in the system, the elements in the import file are not replaced.
- «Upsert» replacing existing elements;
- «Import file».

Then press the «Upload» button.

3.15 WebIUs Users

The page contains a list of all existing users in the system (see Fig. 25). The list consists of the following fields: **«Name»**, **«Info»**, **«Registration date»**, **«Expiration date»**, **«State»**, **«Edit» button**, **«Block»** button.

| WebIUS Workstation | About Contact Menu Config | ure | | | ÷ | system 🕣 Logout |
|--|---------------------------|----------------|-----------------------|------------|---------|-----------------|
| WebiUS Server Settings ATM Groups Monitoring | Users list | | | | | |
| Users Online Plugins | Create user | Rc | Administrator 2 | | | Q |
| Role Configure ATM tags | | | | | | ~ |
| Configurations Configuration Packages | Kolian | Kolian | 10/8/2020 5:04:11 PM | 07102021 | Ready | Edit Block |
| Events WebIUS Users | Skripunov | | 1/30/2020 10:35:27 AM | 30.01.2021 | Ready | |
| ATM List | yanina-khodakova | | 1/28/2020 5:18:05 PM | 28.012021 | Ready | |
| WebIUS Agent Versions | sysoev_ea | Сысоев Евгений | 1/23/2020 2:16:27 PM | 22.01.2999 | Ready | 1 Edit Block |
| | Msamoknin demidov_sv | Maxim Samoknin | 1/15/2019 11:18:31 AM | 26.06.2999 | Ready | Edit Edit |
| | Akulovich | akulovich | 8/31/2018 11:55:44 AM | 26.08.2030 | Ready | Edit Block |
| | RuslanD36 | RuslanD36 | 8/29/2018 12:12:05 PM | 26.08.2100 | Ready | Edit Block |
| | system | Super User | 8/29/2018 12:04:14 PM | 29.08.2030 | Unknown | Edit |
| | | | | | | |

Fig. 25: The «WebIUS Users» page

Creating a new user

If you need to create a new user, press the **«Create user»** button and fill in the fields on the page that opens (see Figure 26):

- «Name» field numbers and Latin characters, maximum length 256c;
- «Info» field (user information) any characters, maximum length 512c;
- «State» drop-down list (user status):

a. «Ready» – the user has access to the system.

b. «Blocked» – system access is suspended until unblocked.

c. «Deleted» – access to the system is suspended and user data is saved to ensure the integrity of the system audit.

- The «Expiration date» field is used to select the end of the user's validity. On the specified date, the user's status will change to 'Blocked'.
- The «Role» drop-down list (user role);
- The «authType» drop-down list (type of authentication):

a. «Windows» – login/password authorisation, the information about which is stored in Active Directory;

b. «Login/Password» – authorisation through login/password, the information about which is stored in the database.

- «Password» field any characters, must not be shorter than the password for the selected role;
- «Confirm password» field.

Then press the **«Create»** button (see Fig. 26(1)).

| WebIUS Workstation | About Contact Menu Configure | |
|--|---|---|
| WebIUS Server Settings ATM Groups | Create user | |
| Users Online Plugins | Name User_for_test | |
| Role Configure ATM tags | | |
| Configurations Configuration Packages | State Blocked Explication date | |
| Events WebIUS Users | 10/16/2021 Role | m |
| ATM List Actions | Service authType Login/Password | ~ |
| WebIUS Agent Versions | Password Minimum pasword length 30 symbols | |
| | Confirm password Minimum pasword length 30 symbols | |
| | Back to list Create 1 | |
| | | |

Fig. 26 - Creating a user

User editing

To modify the data, press the **«Edit»** button located on the same line as the user to be changed (see Fig. 25(1)). The following items are available for editing on the opened page: «Info», «State», «Expiration date», «Registration date», «Role». On the **«Edit user»** page, you can also change the user's password by clicking on **«Change password»** and filling in the fields labelled «Password» and «Confirm password».

User blocking

To block a user, press the corresponding **«Blocked»** button (see Fig. 25(1)). The **«Delete»** button will then appear.

The blocked user will not be able to log in.

Deleting a user

You can only delete a user if their status is **«Blocked»**.

Active users management

To view and manage online users, go to the «Users Online» page (see paragraph 3.2.12).

User filtering

On the **«WebIUS Users»** page, you can filter users by role.

To apply the filter, press the «Role» list (see Fig. 25(2)) and select the desired role.