

# Application Token Manager

A convenient tool  
for creating and managing electronic keys



# Token Manager

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# Token Manager: briefly about the application

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Token Manager creates unique keys (tokens) for remote authorization at the request of the user.

What is a token?

This is a unique key that replaces the old form of authorization (login-password) for organizing limited, partial or temporary access.

The token preserves the confidentiality of information, thanks to the application there is no need to constantly transfer passwords and logins.



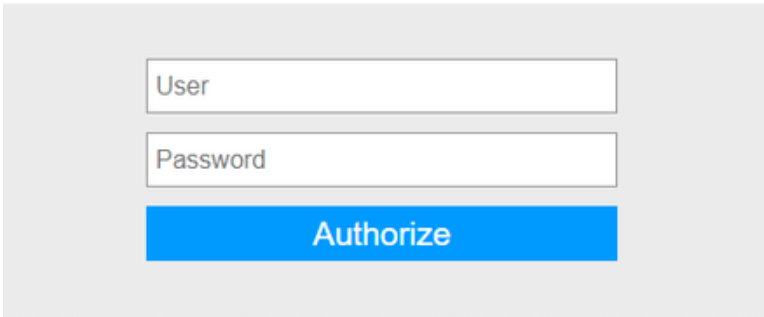
Working with the service, you have the opportunity to authorize Wialon monitoring with an ERP or 1C system.

Tokens can be with different levels of access rights, for any application.

## Authorization

To start working with Token Manager please, follow [this link](#).

Before you start working with the app, you must get authorized. To do this, please, enter your Wialon login and password. If you do not have this information, please, contact Wialon Operator's sales or technical support department.

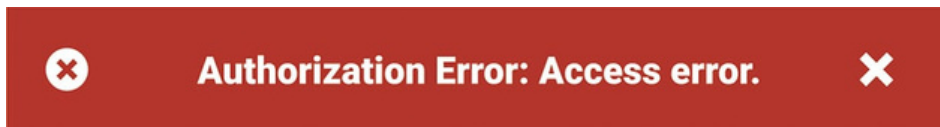
  


The screenshot shows a login form with two input fields: 'User' and 'Password'. Below the fields is a blue button labeled 'Authorize'. The form is set against a light gray background with a decorative wavy bottom edge.

If authorized, will obtain full access to your account.

# Token Manager: authorization

If the following information is displayed as a result of your authorization attempts:



please, contact Wialon Operator's technical support department.

If your authorization attempt is successful, a table with a list of existing tokens will be displayed. Token Manager enables working with multiple tokens and allows to delete one, several, or all tokens at once.

The screenshot shows the Token Manager interface. At the top, there are two callouts: "Filter tokens by username" pointing to a dropdown menu with "demo-belarus" selected, and "Search tokens by name" pointing to a search input field. Below the table, a callout "Click here to select all tokens" points to a checkbox in the first column. At the bottom right, a callout "Create a new token" points to a blue plus button. The table has the following data:

	Application name	Activation time	Expires	Creation time ↓	Last time	Token
<input type="checkbox"/>	NEW	21-04-2022 16:35:10	Unlimited operation	21-04-2022 16:31:19	21-04-2022 16:31:19	75ac4cb37b60ab0981f21a7ab7b495f5159B4A976982DA807C56D672FF
<input type="checkbox"/>	APPS Tta	21-04-2022 16:34:47	Unlimited operation	21-04-2022 16:31:01	21-04-2022 16:31:01	75ac4cb37b60ab0981f21a7ab7b495f5A29A1587E2321F0287FF39A2A7
<input type="checkbox"/>	APPS Tiger	21-04-2022 16:34:30	Unlimited operation	21-04-2022 16:30:45	21-04-2022 16:31:09	75ac4cb37b60ab0981f21a7ab7b495f5F32130CFA6BA9383E3C2B8D1E
<input type="checkbox"/>	Кабинет пользователя	23-03-2022 16:29:54	Unlimited operation	23-03-2022 16:29:54	23-03-2022 16:29:54	75ac4cb37b60ab0981f21a7ab7b495f5BE6478572694A50A7E86C5434
<input type="checkbox"/>	iPhone 13 (iPhone)	11-01-2022 11:06:44	Unlimited operation	11-01-2022 11:06:44	01-03-2022 11:38:20	75ac4cb37b60ab0981f21a7ab7b495f50D5EF9CDFC47A63D8755692D

Rows per page: 20 | 1-5 of 5

The screenshot shows the same Token Manager interface, but with the first three rows selected (checkboxes checked). A callout "Delete selected tokens" points to a red 'X' icon in the first column of the selected rows. The table data is the same as in the previous screenshot.

3 selected

Delete selected tokens

Rows per page: 20 | 1-5 of 5


# Token Manager: creating a token

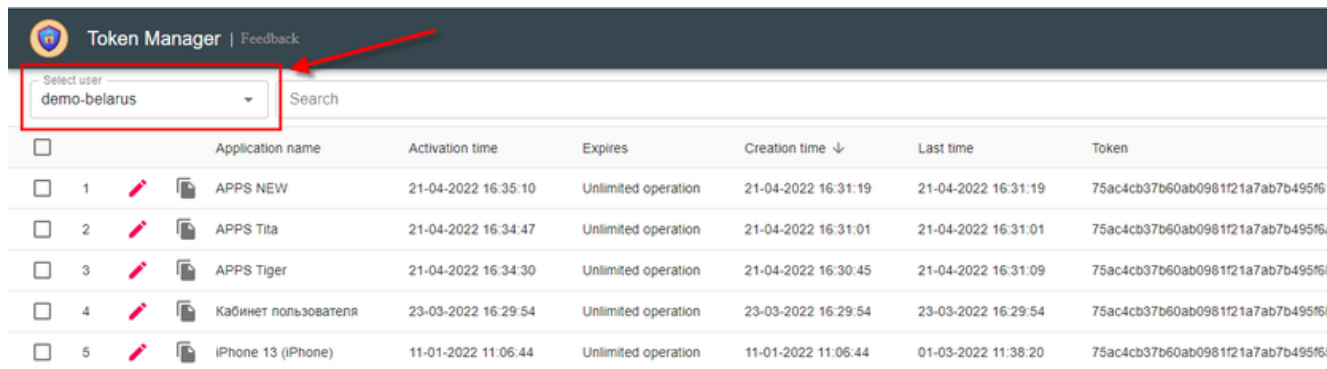
## Creating a token











Initially, we select a user from the general list for whom we need to create a token.

If you have logged in under the top account, then all lower-level users will be available to you, including their tokens (in accordance with the Wialon hierarchy).

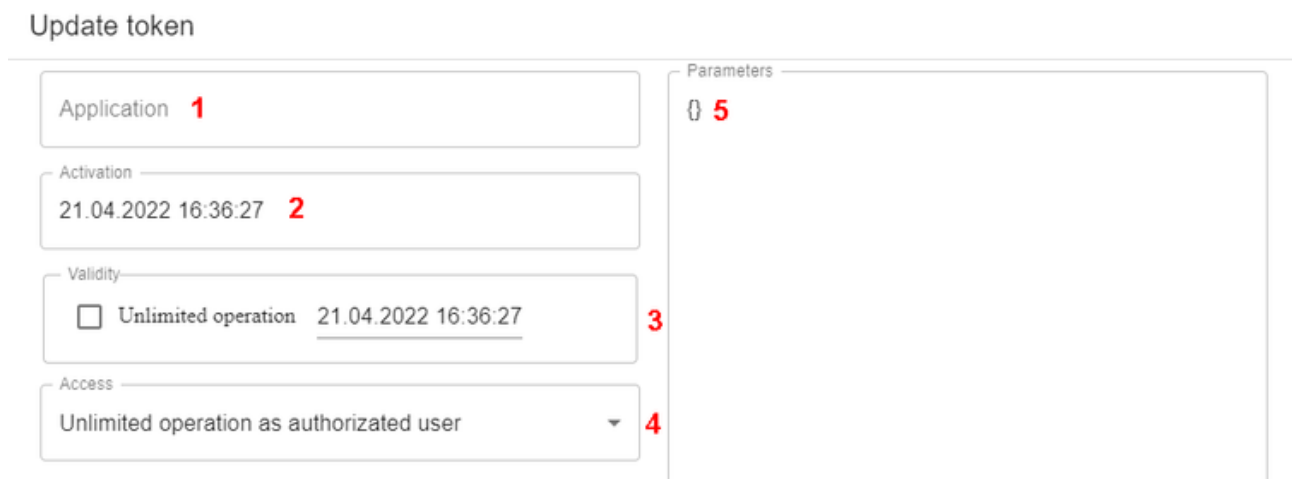
Let's see how it works at the example of our demo user - demo-belarus.

We enter the demo-belarus username into the search bar. Now Token Manager will filter all tokens and display the list of tokens of the demo-belarus user only. By clicking the  icon, we create a token specifically for demo-belarus. It works similarly for other users of the Wialon monitoring system.



<input type="checkbox"/>	Application name	Activation time	Expires	Creation time ↓	Last time	Token
<input type="checkbox"/>	1   APPS NEW	21-04-2022 16:35:10	Unlimited operation	21-04-2022 16:31:19	21-04-2022 16:31:19	75ac4cb37b60ab0981f21a7ab7b495f61
<input type="checkbox"/>	2   APPS Tita	21-04-2022 16:34:47	Unlimited operation	21-04-2022 16:31:01	21-04-2022 16:31:01	75ac4cb37b60ab0981f21a7ab7b495f61
<input type="checkbox"/>	3   APPS Tiger	21-04-2022 16:34:30	Unlimited operation	21-04-2022 16:30:45	21-04-2022 16:31:09	75ac4cb37b60ab0981f21a7ab7b495f61
<input type="checkbox"/>	4   Кабинет пользователя	23-03-2022 16:29:54	Unlimited operation	23-03-2022 16:29:54	23-03-2022 16:29:54	75ac4cb37b60ab0981f21a7ab7b495f61
<input type="checkbox"/>	5   iPhone 13 (iPhone)	11-01-2022 11:06:44	Unlimited operation	11-01-2022 11:06:44	01-03-2022 11:38:20	75ac4cb37b60ab0981f21a7ab7b495f61

After we click the icon  a window with detailed token settings will open.




Update token

Application **1**

Activation  
21.04.2022 16:36:27 **2**

Validity  
 Unlimited operation 21.04.2022 16:36:27 **3**

Access  
Unlimited operation as authorized user **4**

Parameters  
 **5**

**1** Setting up a token **2** Selecting items

BACK **NEXT**

# Token Manager: creating a token

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## Working with fields

### "Application" field (1)

Please, enter the name of the token here. For which application/project would you like to use it?

### "Activation" field (2)

Specify the date and time when the token must be activated.

### "Validity period" field (3)

You can tick the Unlimited box. In that case the token will stay active for unlimited time. Otherwise, you can set the validity period for the token by specifying its termination date and time.

**Attention:** if the token remains inactive for 100 days, it will be deleted automatically.

### "Validity period" field (4)

All possible access rights are taken from [here](#).

Each block contains a table that shows how token flags and access rights flags correlate. For more details, please, address the specified documentation.

### "Parameters" field (5)

This is a custom field. It means that the developer (programmer) can put any parameter or array of objects in this field and pass it along with the token body for authorization by the user. Further, this custom parameter can be used for comparison or verification. Developers can find detailed guidelines on creating, editing, and deleting tokens [here](#).

Click the "Next" button.

# Token Manager: creating a token

Update token

1. Легковая Caddy 8

10. Погрузчик Still + Rfid

12. Персональный трекер

5. Тягач MAN (CAN+ ДУТ)

11. Спецтехника (замеры с генератора)

Setting up a token

Selecting items

BACK SAVE

**"Type"** field (6)

The following search criteria exist:

- all;
- units;
- groups of units;
- outside groups;
- resources.

Each criterion described provides access to certain elements of the system and allows to perform permitted actions on them. Access rights apply to macro- and microelements of the Wialon monitoring system. More details on access rights are available [here](#).


# Token Manager: creating a token


## "Search" field (7)

Dynamic search for macro- and microelements in the system.

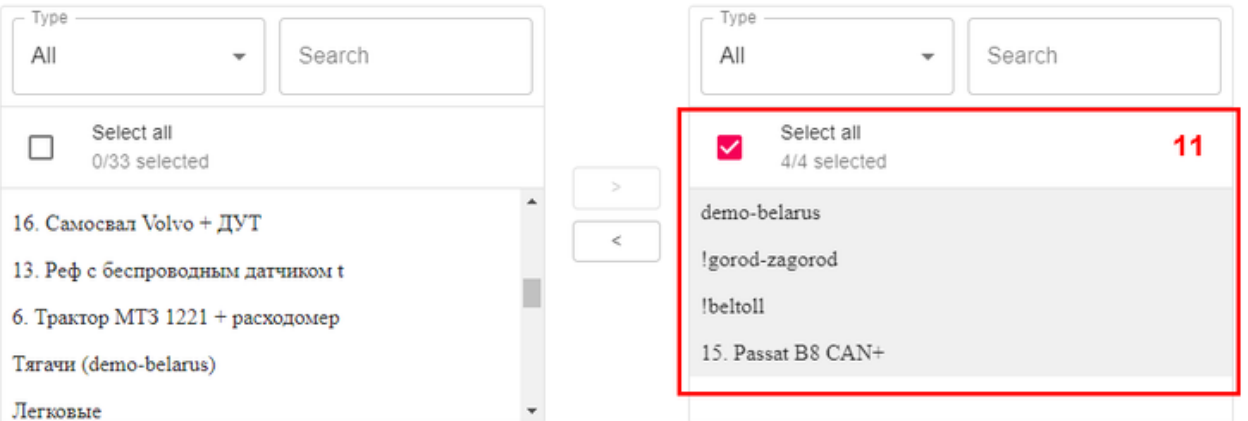
## "List of available system elements" field (8)

Generation of this list depends on access rights of the authorized user of Token Manager.

To generate a token with the necessary elements, select them in the field on the left (field 8) and move them to the field on the right (field 11, see the screenshot below) by clicking the right arrow. 

To remove elements, do the opposite: select items in field 11 and click the left arrow. 

Update token



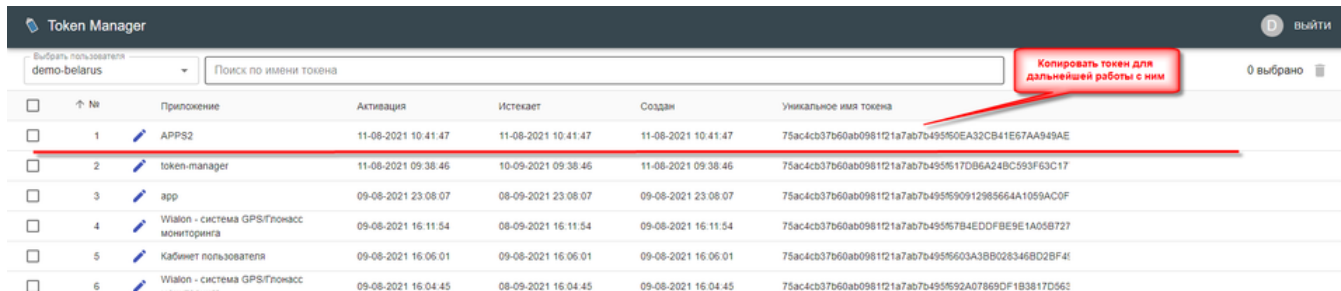
The screenshot displays the 'Update token' interface. It features two side-by-side panels, each with a 'Type' dropdown set to 'All' and a 'Search' input field. The left panel shows a list of system elements with a 'Select all' checkbox and '0/33 selected' status. The right panel shows a list of system elements with a 'Select all' checkbox checked and '4/4 selected' status, and a red '11' in the top right corner. A red box highlights the right panel. Below the panels are two arrow buttons for moving items. At the bottom, a progress bar shows '2 Selecting items' as the current step. A red arrow points to a 'SAVE' button, with a 'BACK' button next to it.

Next, select the "Create" button.



# Token Manager: создание токена

When the token is created, you can find it in the summary table. To continue working with the new token, copy it. See the screenshot below.



<input type="checkbox"/>	№	Приложение	Активация	Истекает	Создан	Уникальное имя токена
<input type="checkbox"/>	1	APPS2	11-08-2021 10:41:47	11-08-2021 10:41:47	11-08-2021 10:41:47	75ac4cb37b60ab0981f21a7ab7b495f50EA32CB41E67AA949AE
<input type="checkbox"/>	2	token-manager	11-08-2021 09:38:46	10-09-2021 09:38:46	11-08-2021 09:38:46	75ac4cb37b60ab0981f21a7ab7b495f517DB6A24BC593F63C17
<input type="checkbox"/>	3	app	09-08-2021 23:08:07	08-09-2021 23:08:07	09-08-2021 23:08:07	75ac4cb37b60ab0981f21a7ab7b495f590912985664A1059AC0F
<input type="checkbox"/>	4	Walon - система GPS/Глонасс мониторинга	09-08-2021 16:11:54	08-09-2021 16:11:54	09-08-2021 16:11:54	75ac4cb37b60ab0981f21a7ab7b495f57B4EDDFBE9E1A05B727
<input type="checkbox"/>	5	Кабинет пользователя	09-08-2021 16:06:01	09-08-2021 16:06:01	09-08-2021 16:06:01	75ac4cb37b60ab0981f21a7ab7b495f5603A3BB028346BD2BF4E
<input type="checkbox"/>	6	Walon - система GPS/Глонасс мониторинга	09-08-2021 16:04:45	08-09-2021 16:04:45	09-08-2021 16:04:45	75ac4cb37b60ab0981f21a7ab7b495f592A07869DF1B3817D562

The Token Manager application is a convenient tool for creating electronic keys that will help you protect your data and control access to information.