Sending commands from Wialon to flespi devices

This article describes the sequence of actions required to send commands from the Wialon system to physical devices registered on the flespi platform, including the creation of devices in flespi (hereinafter flespi devices).

Create a device in flespi. To do this, open the *Devices* tab in the *Telematics Hub*, click on the button
 in the lower right corner of the screen, fill in the required fields, and click *Save*.



2. Create a channel to receive data in flespi: open the Channels tab, click on the button I in the lower right corner of the screen, fill in the name and protocol_id fields (the protocol corresponds to the type of the physical device), and click Save.



- 3. Point the physical device (tracker) to the channel address (IP and port).
- 4. Create a stream to redirect data. To do this, open the *Streams* tab, and click . Fill in the *configuration* and *uri* (address of the <u>flespi gateway</u> device) fields, activate the *ident* option.
 NB: IP varies depending on the data centre.

CONFI	Fflespi *3.29.1	Stream		?	×	UTILS CHAT
	user user@mail.com	name Stream #1		l	2 📀	
	Tokens Access management	enabled: true		(0	
ሐ	Telematics Hub Connectivity portal	queue_ttl: 86400		(0	
	Channels Data inflow Devices Messages & config	configuration http		*		
	Streams Data outflow	protocol		0		
-	Modems SMS gateway	http	_			
	lytics 5	uri http://nl/gpsgsm/org:21548		0		
Utili	Calculators Intervals logic 6	ident %ident%	<u>~</u>	0		
Ŷ	Toolbox Telematics Hub	limit_messages: 1000		0		
a I	Track It! Devices on map REST API	headers		0		
<u>((-1)</u>	MQTT PUB/SUB	SAVE + OP	EN	8	SAVE 7	2+

5. Assign the flespi device created in step 1 to the stream. To do this, go to the *Devices* tab and click on the line with the flespi device to open the settings window. Next, on the *Streams* tab,

click 💿 and select the required stream.

× #24903 Ecto-1 E <-noident>		va ≪ Ruptela FI Messages	M-Tco4 HCV storage deleted in a y	ов,	22 UTILS	CHAT
	TELEMETRY	SNAPSHOTS	SETTINGS	TOOLBOX	TRACK IT!	
+ 2						
Q Filter	1					
Stream #1 #64 %ident% cid: 1814	11 20	Not assigned	j			

6. Copy a token on the flespi platform (the *Tokens* tab).

=	Tok	ens			UTILS CHAT
	221709	Iogin using email and password OqLxbZRtPx5Q0qbPcUfEwwixq44DpgI1 O Last access 19 minutes ago	* Master	2. Login Copy token	
Q	Filter: I	name or ~field:value (~cid:123)		Copied	•

7. In Wialon, paste the copied token into the *Token* field on the <u>Security</u> tab of the top account settings.

	User Settings	×
General Settings	Authorization settings	
Security	Email:	support@gurtam.com
Mans		Change Password
Account	Two-factor authentication	
Notifications	Turn two-factor authentication:	Off 🗸
	Advanced settings	
	Notify about account blocking by email:	
	flespi settings	
	Token:	ZY678lv5mhw3sdifEjhvW4s Check
		Cancel
		Cancel

8. <u>Create a unit</u> in Wialon. The device type should be the one indicated in the *Device type* field in step 1. It should be marked as *flespi* in brackets.

					Nev	v Unit				×
General	Access	Icon	Advance	d s	Sensors C	ustom Fields	Unit Groups	Commands	Eco Driving	
Profile	Trip Dete	ection	Fuel Consum	ption	Service Inte	ervals				
Name: *	New	unit								
Device type: '	Rup	tela FM-Tco	o4 HCV (flespi	4 V	/ialon IPS GP	S Tag Wialon	Retranslator			
Server addres	ss: nl.gp	sgsm.org		IP						
Unique ID:	6666	66555555	888888							
Phone number	er:									
Password:										
Creator:	user		-							
Account:	user									
Mileage coun	ter:	GPS		•	Current value:	0	k	m 📃 Auto		
Engine hours	counter:	Engine ig	nition sensor	•	Current value:	0	h	🔲 Auto		
GPRS traffic	counter:	R	eset Counter		Current value:	0	к	B 🗌 Auto		
Export to File	0								Cancel	ок

9. Create a new <u>command</u> in the unit properties in Wialon.

				New Unit				×
General	Access	New command	Concore	Custom Eighte	Unit Groune	Commands ×	Eco Driving	
Profile	Trip Detection	Command name:	New command	t				
+ New		Command type:	Connection dat	ta (connection)		•		
1		Channel:	TCP			•		
		Phone number:	Use any			•		
		Indicate access rights	required for user	rs to execute this com	mand:			
		View detailed item pr Manage access to the Delete item Rename item View custom fields Manage custom fields Manage admin fields Edit not mentioned pr Change icon Query reports or mess Edit ACL propagated Manage item log View connectivity set Edit connectivity set	operties is item s roperties isages items tings (device typ ngs	e, UID, phone, acces	s password, messa	ages fill		
Export to File	• 0	Configure 3			Cancel	ОК	Cancel	ок

When creating the command, you can configure its parameters in the flespi form. In this way, you will not have to do it manually every time before sending the command to the unit.

	Connection data		3
APN			~
APN Name qwd12d12		0	
APN Login user		0	
APN Password 3		0	
rotocol		(
erver	APPLY 4	l	





11. If the parameters of the command were not configured in its settings, specify them in this step.

