

Contact

- Telegram: [@rukavkov](#)
- Surf: 0:392300ae37bdccb044a8e2ba13f9f3a2f966f26c53a776bc10706f2ed591487d

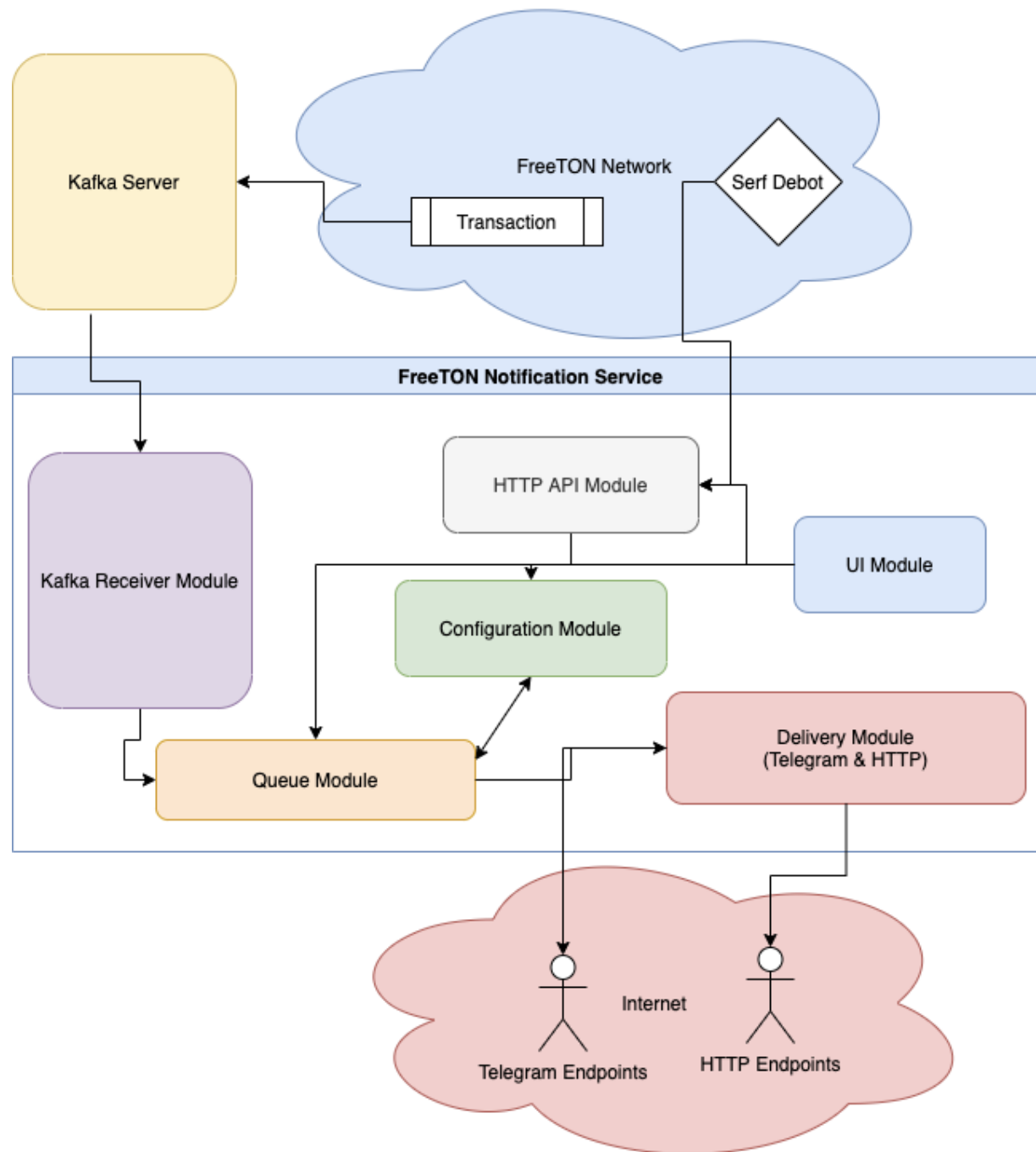
Repository(actual readme): <https://github.com/nrukavkov/freeton-notification-service>

FreeTON Notification Service

FNS (FreeTON Notification Service) is a http service allows you to forward encrypted messages from FreeTON Network to http(s) web services and Telegram.

Features

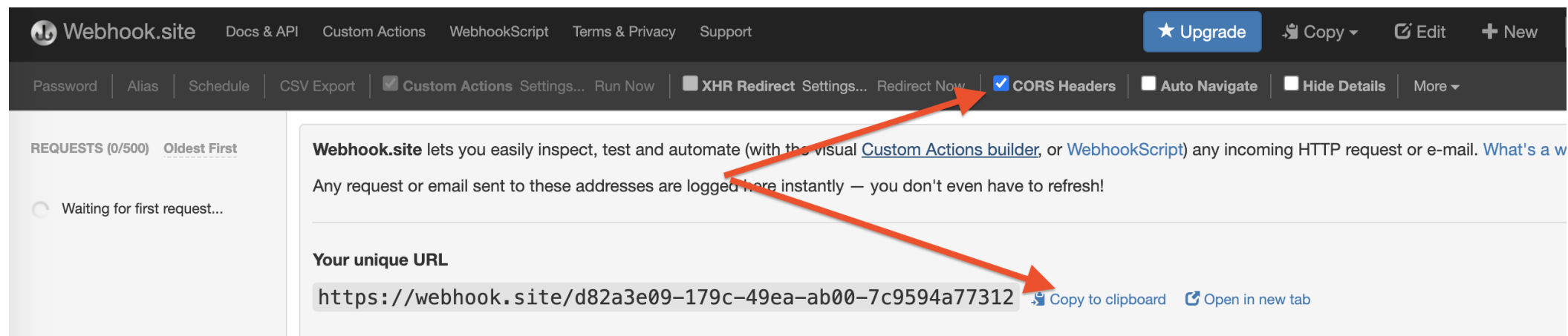
- Guarantee delivery: no one loss even a server or service unavailable. FNS will repeat to try send a callback until it is done. Or until you want to stop it.
- Easy to use auth system: just press the link and get an access to the private area.
- Forward messages to http(s) and telegram.
- Super user permissions for administration the service.
- Visual pretty interface for quick seach and detect problems.
- Easy deploy to Kubernetes.
- API
- Logging errors and many other things...



Before usage / Requirements

Before start using FNS you need to have.

1. Serf wallet.
2. External web address for receiving messages. For testing enough to use services like <https://webhook.site>. Open <https://webhook.site> and press the link <https://webhook.site/0f0b0f73-11d8-4074-bd70-e03be5e19dee>. You will receive an external https address which could be used for testing later. Do not forget enable CORS Headers. It is very important for testing.



The screenshot shows the Webhook.site interface. The top navigation bar includes links for Docs & API, Custom Actions, WebhookScript, Terms & Privacy, and Support, along with an Upgrade button and Copy, Edit, and New actions. The main toolbar contains various settings like Password, Alias, Schedule, CSV Export, Custom Actions, XHR Redirect, CORS Headers (checked), Auto Navigate, Hide Details, and More. The left sidebar shows 'REQUESTS (0/500)' and 'Waiting for first request...'. The main content area explains the service and displays the 'Your unique URL' as `https://webhook.site/d82a3e09-179c-49ea-ab00-7c9594a77312`. Two red arrows point from the text in the requirements section to the 'CORS Headers' checkbox and the unique URL in the screenshot.

How to use

1. Open Serf and log in using your credentials.
2. [Switch](#) to Test Network and get some Ruby using <https://faucet.extraton.io/>.
3. Open Debot using Debot Browser or [link](#). After the signing two transactions you will see the menu.

Hi, i'm a Notification DeBot.

Checking if you already have a notification contract ...

Info: your notification contract address is

0:a17b9bbea69a180fdd5ab87d846292ac96285dd5f55acb2bfe1ddcfc0adb916f

Available actions:

Show provider list

Send callbackUrl | deviceToken to provider

Get rules

Set rules

Reset rules

4. Press the button Send callbackUrl | deviceToken to provider and choose `github.com/nrukavkov/freeton-notification-service`, ID = TNS from the list. Then enter data to the provider. By default you can use two types: HTTP(S) or TELEGRAM. Example of usage:

`https://webhook.site/0f0b0f73-11d8-4074-bd70-e03be5e19dee` telegram://someChatId

Notification DeBot ♦

DeBot

github.com/nrukavkov/freeton-notification-service, ID = TNS

Enter data for this provider

<https://webhook.site/d82a3e09-179c-49ea-ab00-7c9594a77312>

Your endpoint was successfully set. Secret link for log in

👉 https://freeton-notification-service.voip-lab.ru/login/3a5e681942107e41d6291284f236879e9584f8f68725aa625b679e93da069e40_353373f0c1a75457e86d3667206cfcca. If you use telegram do not forget to set Telegram Api Key on the Profile page.


Please set notification rules and follow the instructions

👉 <https://github.com/nrukavkov/freeton-notification-service/blob/master/README.md>

Available actions:

[Show provider list](#)[Send callbackUrl | deviceToken to provider](#)[Get rules](#)

[Set rules](#)[Reset rules](#)

 Before receiving messages to Telegram, you have to create Telegram Bot using [Bot Father](#), save Bot Token and add your bot to the some channel.

Open the secret link starts with `https://freeton-notification-service.voip-lab.ru/login/{your_secret_api_key}` and get an access to the private are where you can change your profile settings.

[FNS](#) [Endpoints](#) [Requests](#) [Profile](#)

Profile

General settings

Hash:

3a5e681942107e41d6291284f2368730584f128725aa625b679e93da069e40

API Key:

3a5e681942107e41d6291284f2368730584f128725aa625b679e93da069e4025337206cfcca7e86d3667206cfcca

HTTP Endpoint

Url:

`https://webhook.site/d82a3e09-179c-49ea-ab00-7c9594a77312`

Telegram Endpoint

API Token:

1247600000:AAFhETkXB7NjEWRIYVbO8EMSBgFlmRmPZ2s

Chat ID:

tnsfreeton

We'll never share your secret with anyone else.

Save

Also here you can see all messages and status of delivery.

FNS Endpoints Requests Profile

Incoming requests

 Click **+** to the row to get more details

	DateTime (UTC)	Url	Action
+	2021-10-12T12:58:22.509Z	https://webhook.site/a975adce-a3cc-4c90-ad7b-bd2b5e96e4dc	Delete
+	2021-10-12T12:58:22.510Z	https://api.telegram.org/bot2049608880:AAFhETkXB7NjEWRIYVbO8EMSBgFlmRmPZ2s/sendMessage?chat_id=@tnsf...	Delete
+	2021-10-12T12:58:22.679Z	https://webhook.site/a975adce-a3cc-4c90-ad7b-bd2b5e96e4dc	Delete

If you want to get more detailed info just press the **+** near the intrested message.

2021-10-12T12:58:22.509Z https://webhook.site/a975adce-a3cc-4c90-ad7b-bd2b5e96e4dc

Delete

_id: 6165866e8206553991a5f742

hash: 3a5e681942107e41d6291284f236879e9584f8f68725aa625b679e93da069e40

nonce: u5M/nRuDB3SWuMhflvKphZihOyEO9rKu

message:

bpHcOyG6kiZk2UMVvWmjeTCExAFYkKuqLChGcvsm/PBbx3SspnRA99r0OScERWlf/ryrSzZjq4lFYoyOyD6CjN9LoXN1C8lhUH8FzNoQTHBM1sl0Q7TAbfubCGzxvTXdQRPRfDqt3vx++DpXV+XRzDL2vGZs4hl3Vfow+GD7MYe5knYXl
cMsUoMbAXyzEMov/lw2XLU62PYZ3+sTwJhtUMZpnQMxrQBGA4QH228rVVij/38RP1tVQeQL8C6lp/NhirFVok69zLkw4MAHUGzxCTxhhdQnj1s6pnjO7om2tuICXG0eJhdlavOidrwgE5Axm4KnsNQqU+vNCRwDDHtkQPs9d53b7PRxg
KLNvg7qICHIGyEdWUr+IsUt7jZKRwi2iC3n0DBAXERtmaoz4hZkBHCHCqg5zRviHWbnf+gAYQUgACn+9jKWMRXT15BVvYVhS9gXPUuCATAYuErNmIhjgnbUM1DQ+h7jrdkhQ6AxWtDqYzGMFiA17p014vj7jeT4B3DQSPHskXbC8CF
mtDJBxAVYS6yQ/kWRK/ANNkJ6GD6Aoid+60g92uYe3VnRNC+uvoQMUi50brL9scQpAYPTWdqa9KupdAuJ+KC8xt1As5EEbN9JiO1L2GZDZkk1709dEH6rJcSH+i5JyhRFIqQkOxttJtoTOVchxa+hfLdqXzTDEwFSSFKt5/zx5RaVRejz
4b1hQebwoDKsdg9DJ/SL1QvWkApA7Cu4F9x30zuuL9nx3TddO28UmZZYH8YT/AbY+LORmVhD5u2wbvLAzj6iAGBDN5NWLpcokbKweXQmUROLzeUWoGjHvvr8MmhqAk+opANEQLaTWSp8jNnHA4lcTeO8btD79sSVh8HojW9dEb
Ag2uWdx6cFdjZbeRIDT9IG9Fo19eIjKHAXSgbXiKaetvgOttBPqh5MmBIW4t1t1a3FMvJ0sFrgDEG/k5jx43djynPkW44Qg7EJp93uC62EY9rx2AqS9dUANjz4nX2NqphKiTAUeQRhmyXWJ473X1fLyxIjFvo0mS8T+h/N7HOCDD7ltpFSW
skiUWSZXGAtFsJqTtSktXGFKbaX49VUM2CkycS59n82A2b+x9wcBsSovaHw==

isDelivered: true

isDeleted: true

callbackUrl: https://webhook.site/a975adce-a3cc-4c90-ad7b-bd2b5e96e4dc

lastError:

createdAt: 2021-10-12T12:58:22.509Z

updatedAt: 2021-10-12T12:58:32.139Z

_v: 0

endpoint: [object Object]


id: 6165866e8206553991a5f742

- Then you need to Set Rules and follow the instruction received from Debot. At the first line you need to set up ID. In our case it will be generated ID=TNS . And the second line will be an address in blockchain and message type. Example of rules:

ID=TNS

HERE YOU NEED TO USE YOUR OWN ADDRESS. IT IS JUST EXAMPLE.

0:392300ae37bdccb044a8e2ba13f9f3a2f966f26c53a776bc10706f2ed591487d all

 For testing you can use your personal wallet address.

6. Final step try to send some Rubi to address you set before. A few seconds later you will get POST requests to your endpoint.

Webhook.site

Docs & API

Custom Actions

WebhookScript

Terms & Privacy

Support

★ Upgrade

📄 Copy

✎ Edit

+ New

🔑 Login

Password

Alias

Schedule

CSV Export

Custom Actions

Settings...Run Now

XHR Redirect

Settings...Redirect Now

CORS Headers

Auto Navigate

Hide Details

More

REQUESTS (3/500)

Newest First

POST

#b0fba

138.68.44.119

09/29/2021 3:22:11 PM

POST

#681e7

138.68.44.119

09/29/2021 3:22:11 PM

POST

#aaae1

138.68.44.119

09/29/2021 3:22:11 PM

Request Details

PermalinkRaw contentExport as

POST

https://webhook.site/68e72910-7a77-4acf-bb1c-890aca1a66fb

Host

138.68.44.119

whois

Date

09/29/2021 3:22:11 PM

(14 minutes ago)

Size

1.3 kB

ID

b0fba99f-eb2d-40aa-bb90-331de0455add

Files

Query strings

(empty)

Raw Content

Format JSONWord-WrapCopy

```
{  "nonce": "H16D5M6qGB8iRYZzzmgmSuHQBjSInDrY",  "encodedMessage": "mb5j6DnAqxdRAALH6pLAYtBtFqS1zt50MaqEUb1IPSD4Hf8IJqN/I7m+BXtJ026+nfrNm+3wzYDp0Kx0Ngk/AmxvUjyHz8WrhNPoE9//tLA58pTdGEpfJVdYZ4KmQXFdyHmwYUh+CkaZeEp/HAKva+NHYyniuW+MXWDMdPr+JARWfm2I/s8/AxVy15pENZeI7ILFvKVBp6+U+4FQuVdmrFHM8fBRVggv2HQ0Y/nusx1i4GoXxD8o514pn2D1WIlb iN2UJjANKu8UKdRgtF17Q/PGMgygEVnT67lnRt637RVRhWTXwdmiUTNxtHdRjnpBrdb6vCvYwZdGpFaEwo0BHwUz3h2facxroDK/eN/rHWkMyvnmqFjsv4Dhc1VVjtTXRy0h6sR2VH/JW+q5RmJMEZR2QP4G+hSoh/c41rjQX84dT94UjgCWg0No4X4Eqc/6iz1n3CLxVEShdd34HTvSu0coyNMg7s6SMj8IbFEW9bzYrCvvdevfc16zFIu+S/QcP4XYJL4Fc8WY36BFYgg5x2Cvpm/VZtkkzyQuygT2VoFmq45mPxxXJtDLwCDjMSK3T+/wxIoLJIaLSS91HGgsrmpE/UhEJ5meAyKET4wxNreuh/4MTx+ybXPWW99GWUjedBGDci+0xLk0rrZflde3MPH5YfUbukGMsmHxLEHn0mmiUJ22zPbaeMy17SB+0Bq70JMPvq5Inji5kAw3XXmdpH2hLqtMvL1B1keYgsXqWnhHTVywK0uSr5WoFUAiiYzyU0Fn5XNUkDK0u2tTJtry9MDk6bKyZJPrw0w6Td0BhPXfuHrRWQGxqJKTf18ZgUnZHSjRbY8P7n4+EupyX4ixb5guph0a5uAVCJMA6rw7obVy9iMxAVo9lzu09kXy3sZCXUVmb25IV/aRwmiJfLPQxB/WnsSvC5LataSvmw1lGtb/+R9dGCvrDEqDG14SLJGVIpd47jRm2/p8ipLDk9sGTBp7Mz402ZFzZflhEYzMtC/mM2eVExbxD9yrESk9KwIO/g8D1Z3hPKVScY7XhLFQlR806dT0uNA5U+8JdApsKL0V0mo0U83D/+sG4VzbWfSpQ0VQGMsS+JaY+G71g8XLG3FR+YdPqMheyZfsJK/yZE2ZJMnBL1XNo3xhr/6a1c5RRNIL5bb/iaBTGVIkxUBmj+97Sd9aCnoUv7y5hMRT8N8ngLwLHzmScL2hFiW6BsP+rk43MDL7be5s7+5vFttGNeNChbBQ=="}
```

Selfhosted version

If you want you can use self hosted version of FreeTON Notification Service. In this case you can have admin rights. It allows you to see all messages and endpoints. To get admin rights just set in mongodb `isAdmin` field to `true` for your endpoint.

API

POST / - set new endpoint

GET /endpoint - return all available endpoints

DELETE /endpoint:id - delete endpoint with ID

GET /message - get all my messages

DELETE /message/:id - delete message with ID

For Developers

The primary instance installed in Kubernetes Cluster. But you can start it locally using `docker-compose up --build` command. Required docker-compose and docker installed and `.env` with variables:

```
MONGODB_CONNECTION_STRING="mongodb://USERNAME:PASSWORD@HOST_OR_IP/DATABASE?authSource=admin"
SALT=CHANGE_ME
KAFKA_USERNAME=CHANGE_ME
KAFKA_PASSWORD=CHANGE_ME
KAFKA_MECHANISM=scram-sha-512
KAFKA_TOPIC=CHANGE_ME
```

Deploy

We use HELM and WERF for deploying the application to kubernetes. To do it just use the command below

```
werf converge --repo=ghcr.io/nrukavkov/freeton-notification-service
```

Local run

```
werf run app --docker-options="-ti --rm -p 8000:8000"
```