

Technical overview of Wialon related products

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Business analyst

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What we mean by an awesome product?

Flexibility

Self-service

**Our processes
focused on
your interests**

**Restrictions
that work
for result**

**Niche
solutions**

Studying

**Scalable
server
structure**

**New
technologies**

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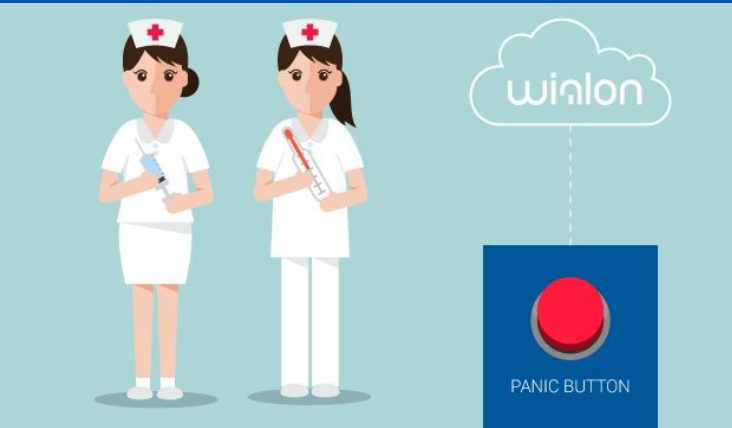
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Flexibility



Dark side of flexibility

New Report Template

Name: Type:

Contents Settings Bind

☒ Description
Add description

☒ General

- ☐ Multiple drivers/trailers
- ☐ Mileage/fuel/counters with accuracy to two decimal places
- ☐ Exclude thefts from fuel consumption
- ☐ Mileage from trips only
- ☐ Consider track-geofence intersections
- ☐ Connection loss based on GPS data

Date and time format:
☐ Persian calendar

Measurement system:

☒ Map output

- ☒ All messages on map
- ☒ Consider geofence visibility scale
- ☒ Event markers
- ☒ Filling markers
- ☒ Group icons
- ☒ Image markers
- ☒ Initial and final position markers
- ☒ Marker numbering
- ☒ Parking markers
- ☒ Render geofences
- ☒ Speeding markers
- ☒ Stop markers
- ☒ Theft markers
- ☒ Trip routes
- ☒ Unit last location
- ☒ Video markers

Heat map:

☒ Address

- ☒ Street
- ☒ House
- ☒ City
- ☒ Region
- ☐ Country

Min city radius (km):

Cancel OK

User Settings

General Settings

Security

Maps

Account

Notifications

Basic

Language:

Color scheme:

Time zone:

Daylight saving time:

Persian calendar: ☐

Date format:

Time format:

First day of week:

Measurement system:

City:

Distance from unit to geofence: ☒

Play sound for events: ☐

Automatically display popup events: ☒

Use keyboard shortcuts: ☒

Driver's activity: ☐

Render charts on server: ☐

Infinite map: ☐

Browser notifications:

Show additional information about the unit

Additional information	Tooltip	Work list
Last message:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Icon:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Location:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Presence in geofences:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Speed:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Altitude:	<input type="checkbox"/>	<input type="checkbox"/>
Counters:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Satellites:	<input type="checkbox"/>	<input type="checkbox"/>
Coordinates:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sensor values:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Parameters:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Connectivity settings:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Custom fields:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Profile:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Cancel OK

New Notification

Choose measures to be taken when notification triggers:

☒ Notify by e-mail

- ☐ Attach image from triggered message
- ☐
- ☐

☒ Notify by SMS

- ☐
- ☐

☒ Send notification to Telegram

- Bot token:
- Channel ID:

☒ Display online notification in a popup window

- Sound URL:
- Color: ☒ ☐ ☐ ☐ ☐ ☐ ☐ ☐
- Blink minimap: ☐

☒ Send mobile notification

- Applications:
- Users:
- ☐ tata_test ☐ WialonClientUser

☒ Send a request

- Server:
- Method: ☒ POST ☐ GET

☒ Register event for unit

- ☐ Register as violation

☒ Execute a command

- ☒ test8
- Message:
- + Add a group
- Group:
- Stored messages:
 - test2 ☒
 - test3 ☒
 - test o44 ☒
 - test one ☒

Cancel Back Next

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Niche solutions

Hecterra



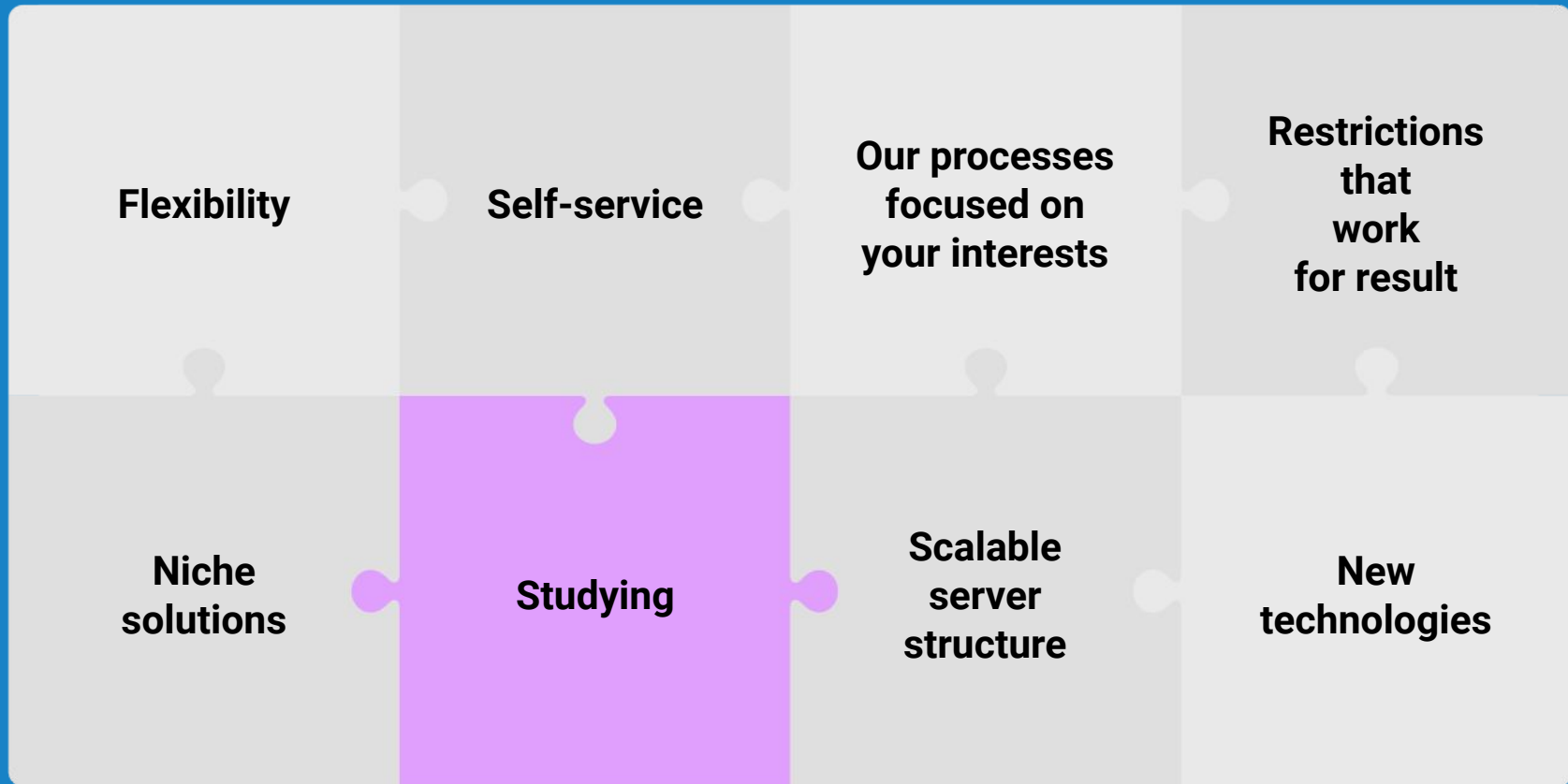
Fleetrun



NimBus



What we mean by an awesome product?



Studying. Trainings

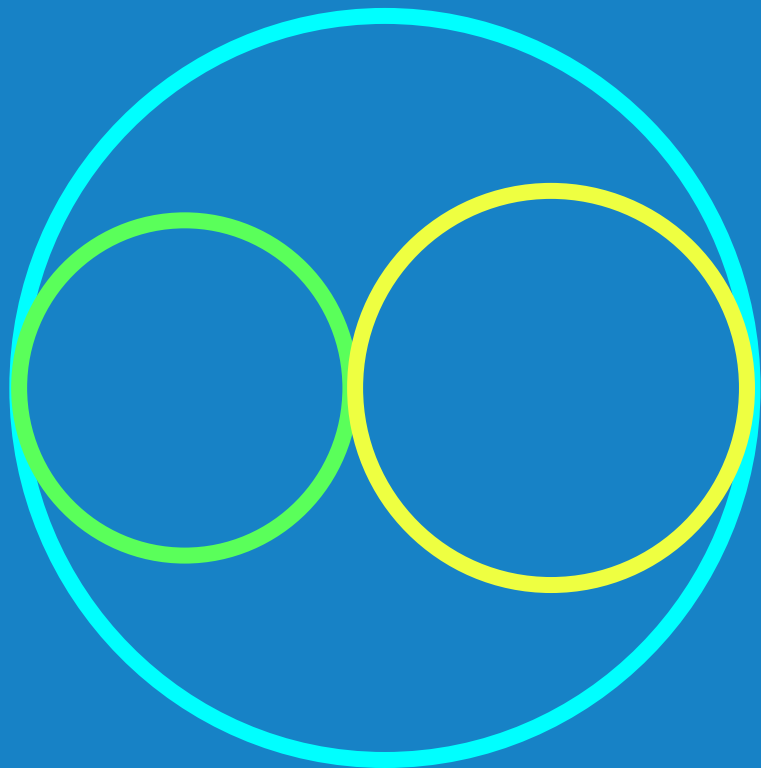


Studying. Customers



Remember your old customers

Studying. Client's involvement

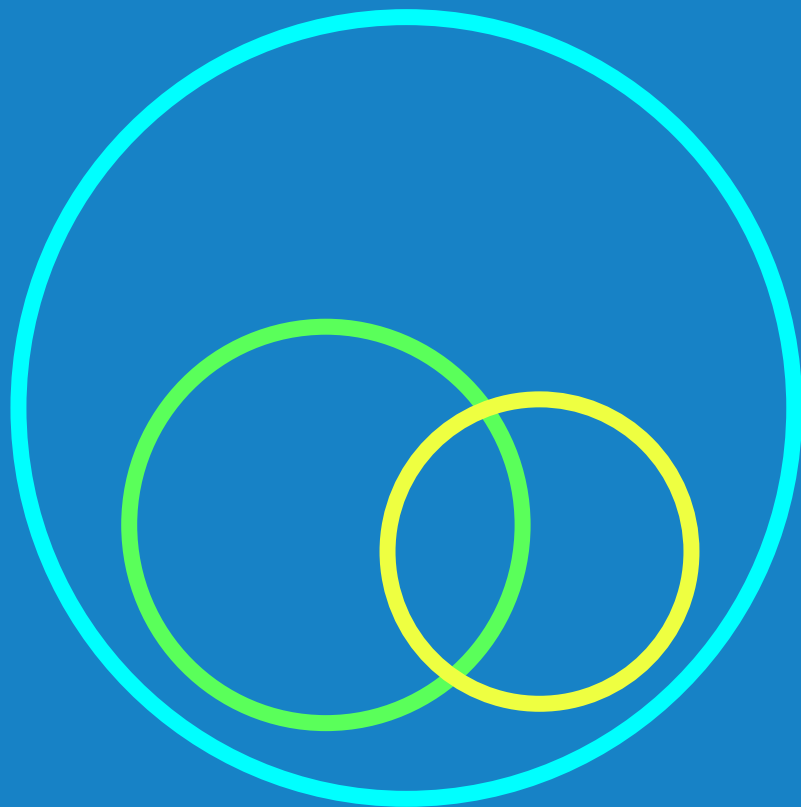


All users – 350,000

Users have not log in > 6 month – 70,000

Users log in 1 time per day – 105,000

Studying. Use all the possibilities



All devices – 100%

Devices with EcoDriving function – 25%

Units with Eco Driving setting – 18%

Studying. What is a better solution?

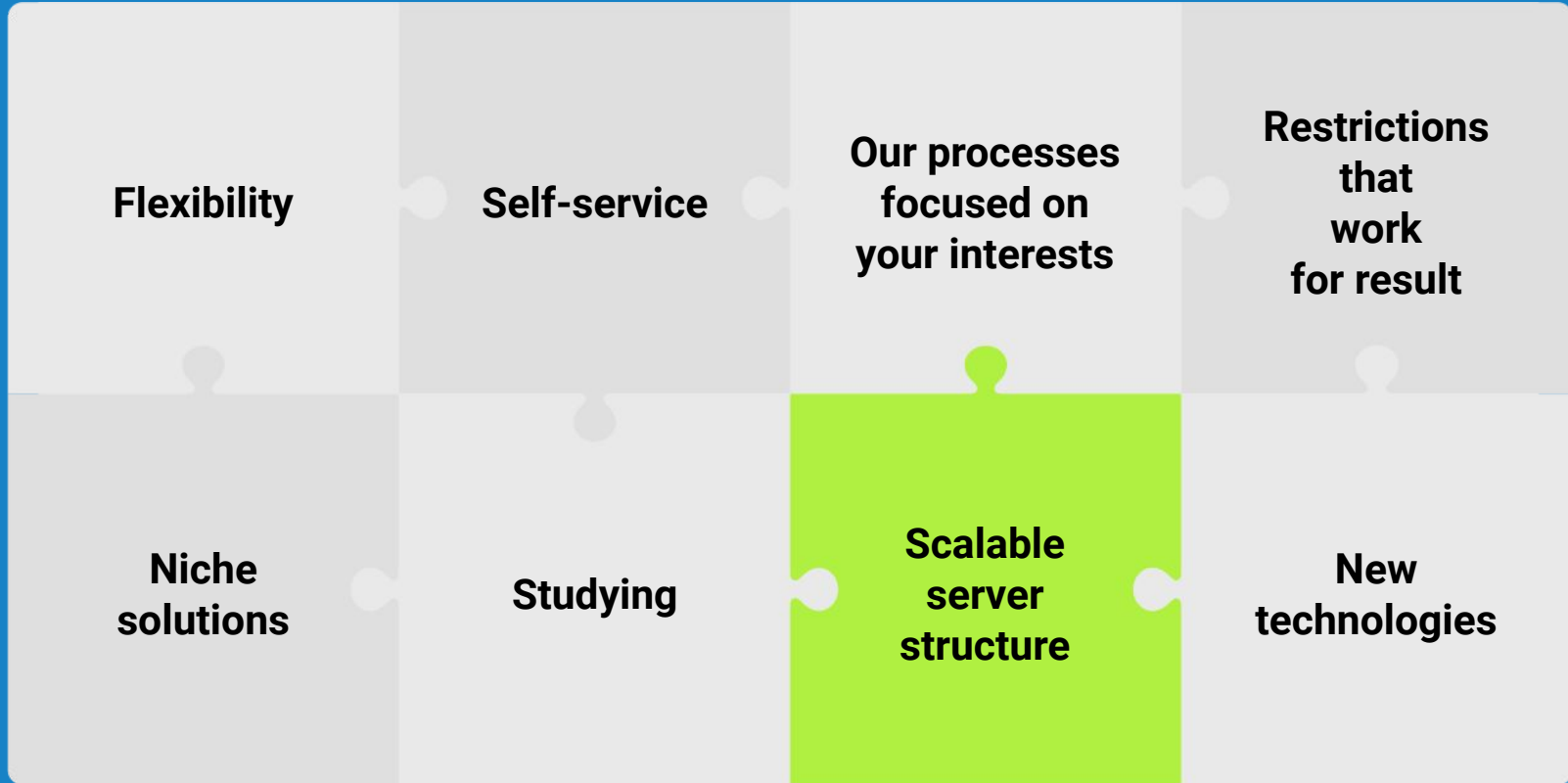
The image displays three screenshots of a fleet management software interface, illustrating different views and data presented to the user.

Top Left Screenshot: Shows a map view of a city area (Odintsovo). The interface includes a sidebar menu with options: Tracking, Reports, Field service, and Fleet management. The map displays various locations and routes.

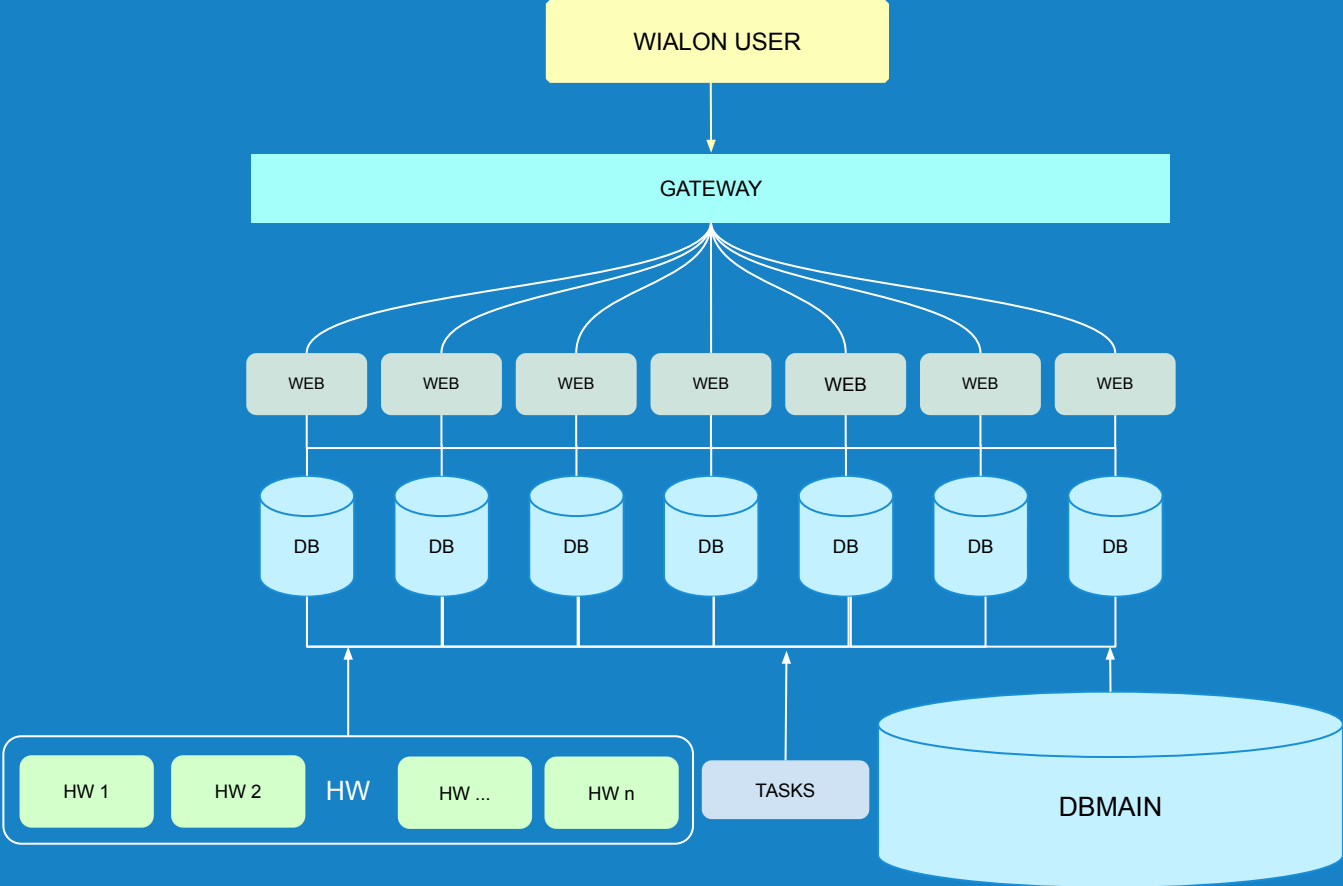
Top Right Screenshot: Shows a detailed map view of a city street (St. Petersburg). A blue line indicates a route or path. The interface includes a sidebar menu with options: Monitoring, Tracks, Messages, Reports, Conference, Photos, Drivers, Trainers, Passengers, Jobs, Notifications, Users, and Units. The map displays various locations and routes.

Bottom Screenshot: Shows a map view of a rural area (Tver). The interface includes a sidebar menu with options: Events, Messages, Accepted Data Log, Charts, and Cumulative Report. The map displays various locations and routes.

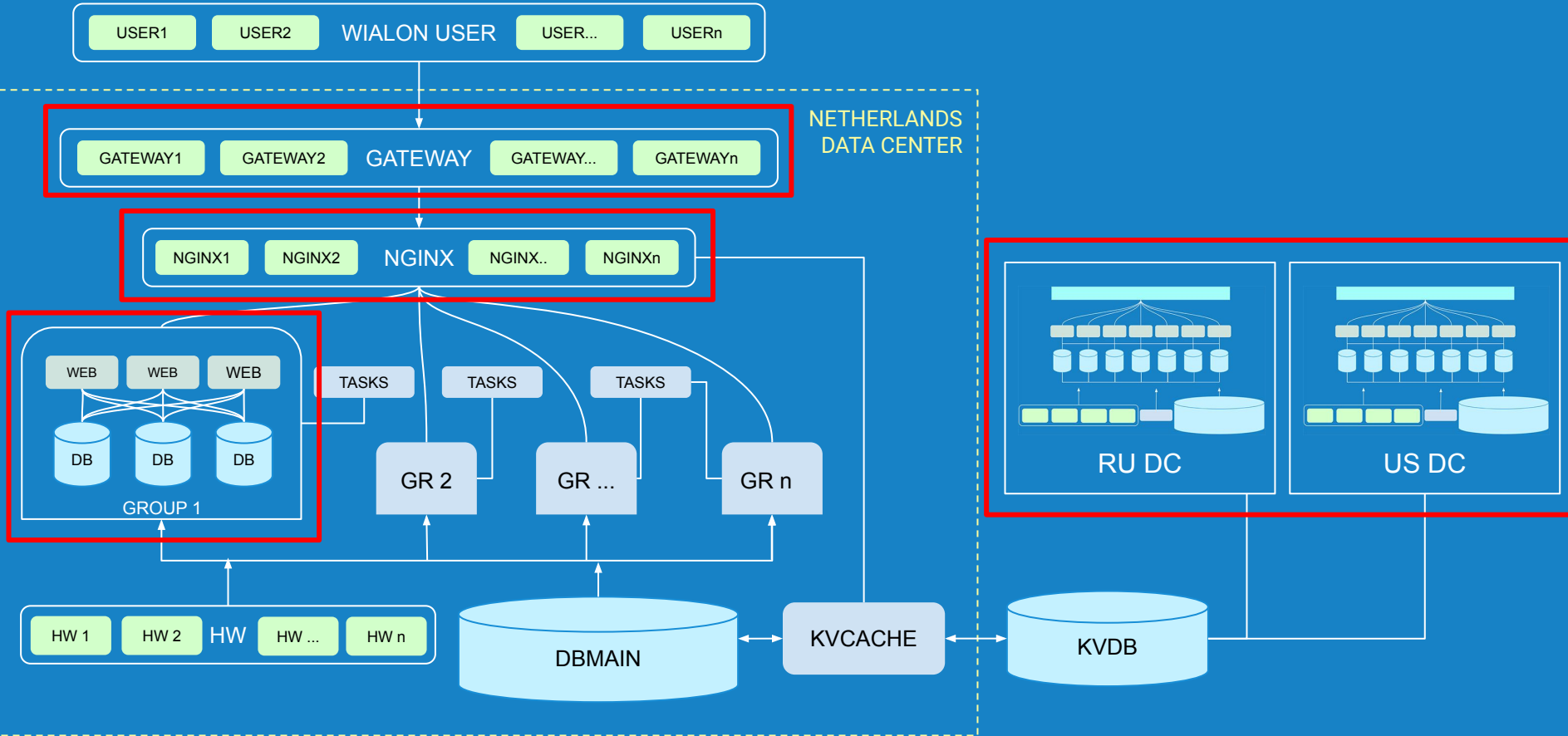
What we mean by an awesome product?



Servers structure



Servers structure



Servers structure

2016

Servers

147

Units

465,000

Device type

1,015

Datacenter

1

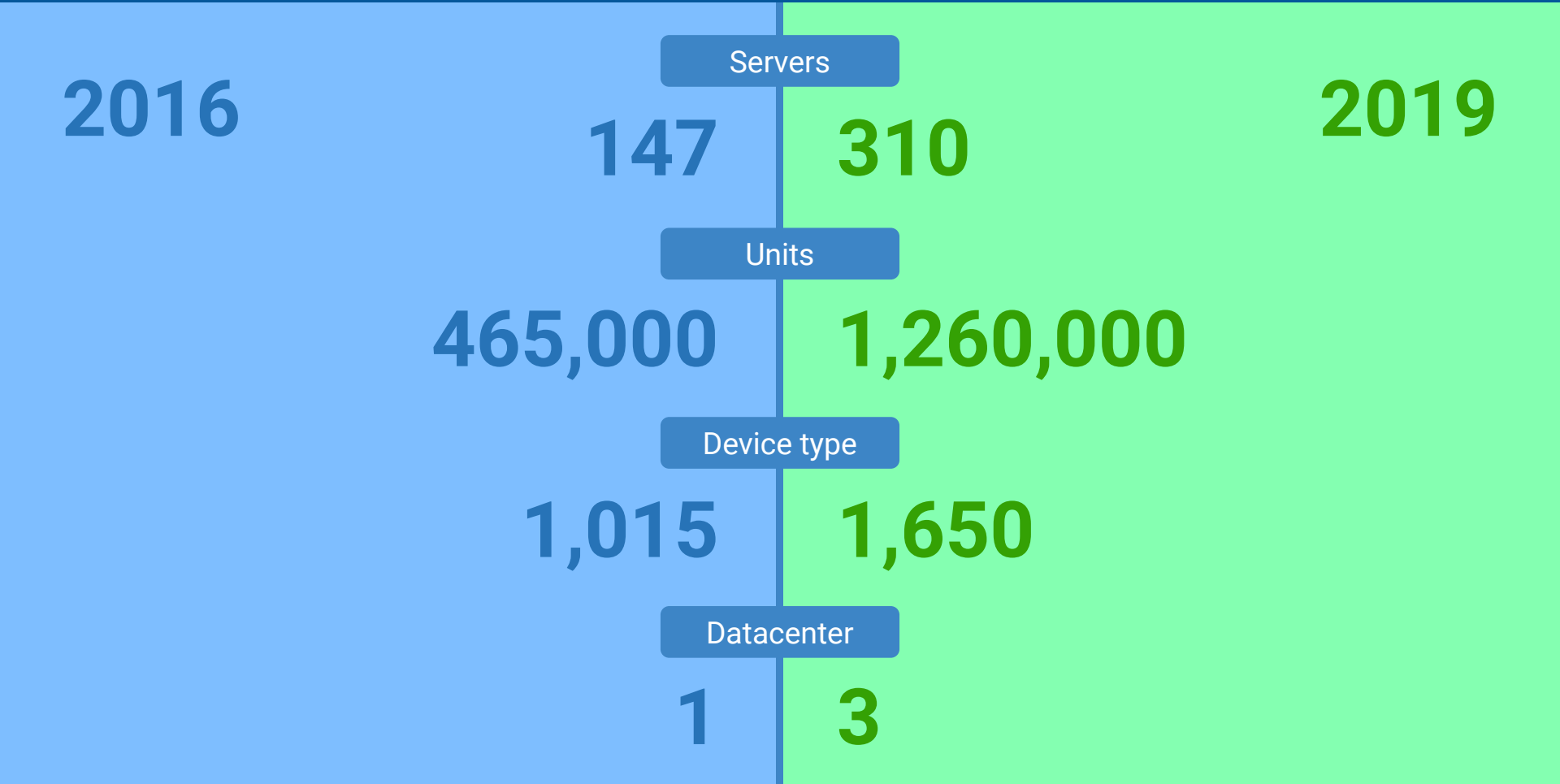
2019

310

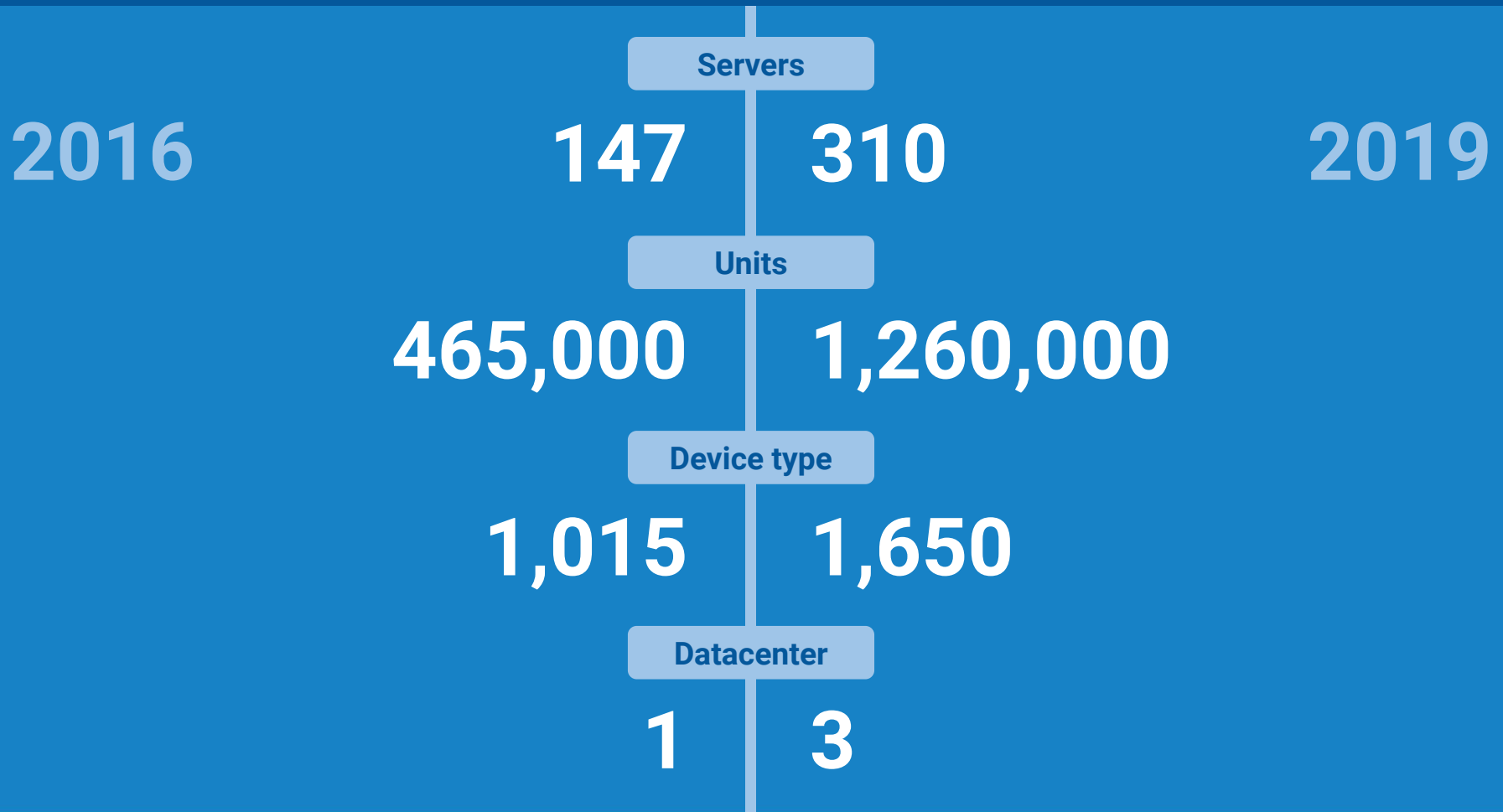
1,260,000

1,650

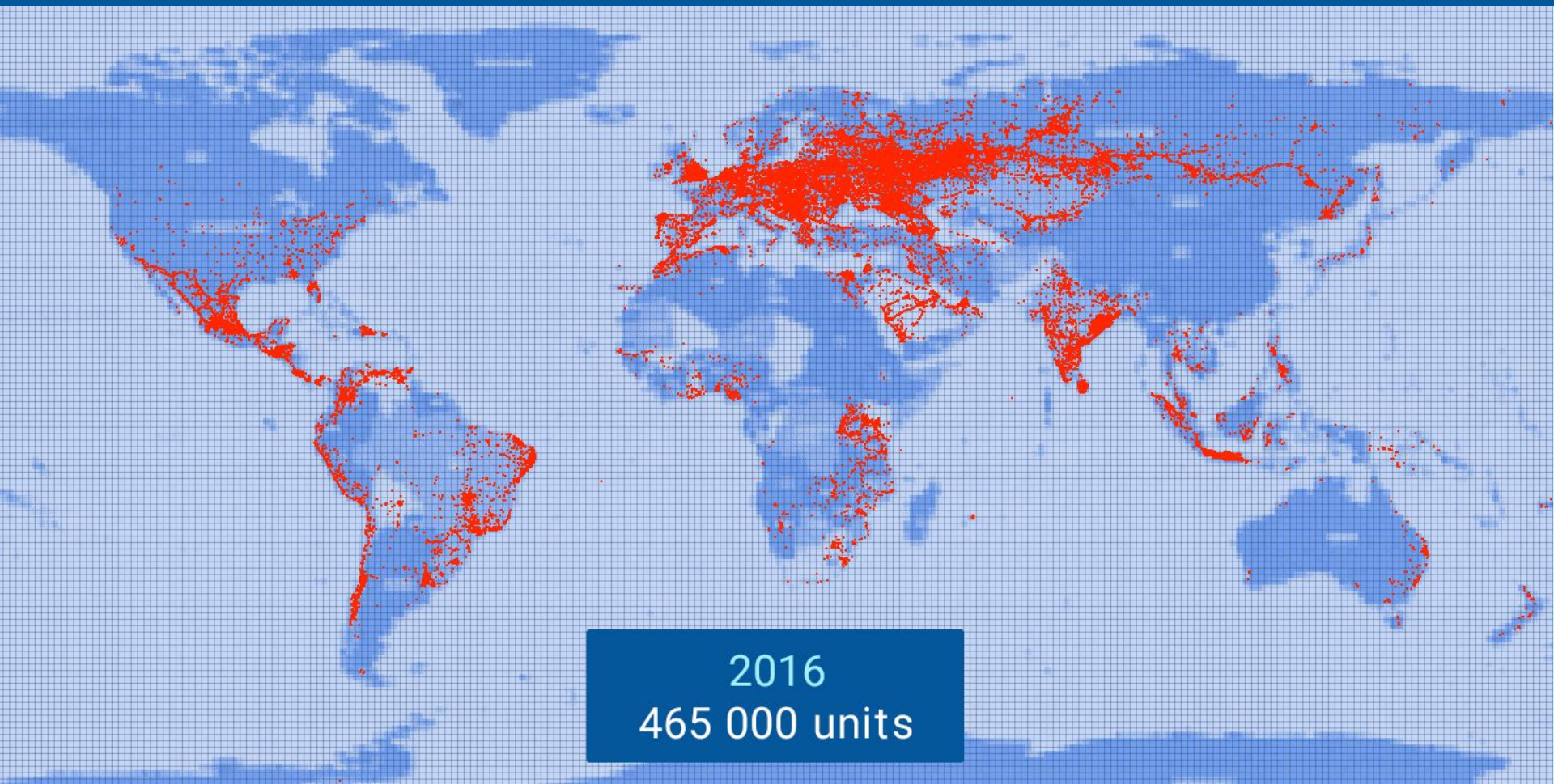
3



Servers structure



Servers structure



2016
465 000 units

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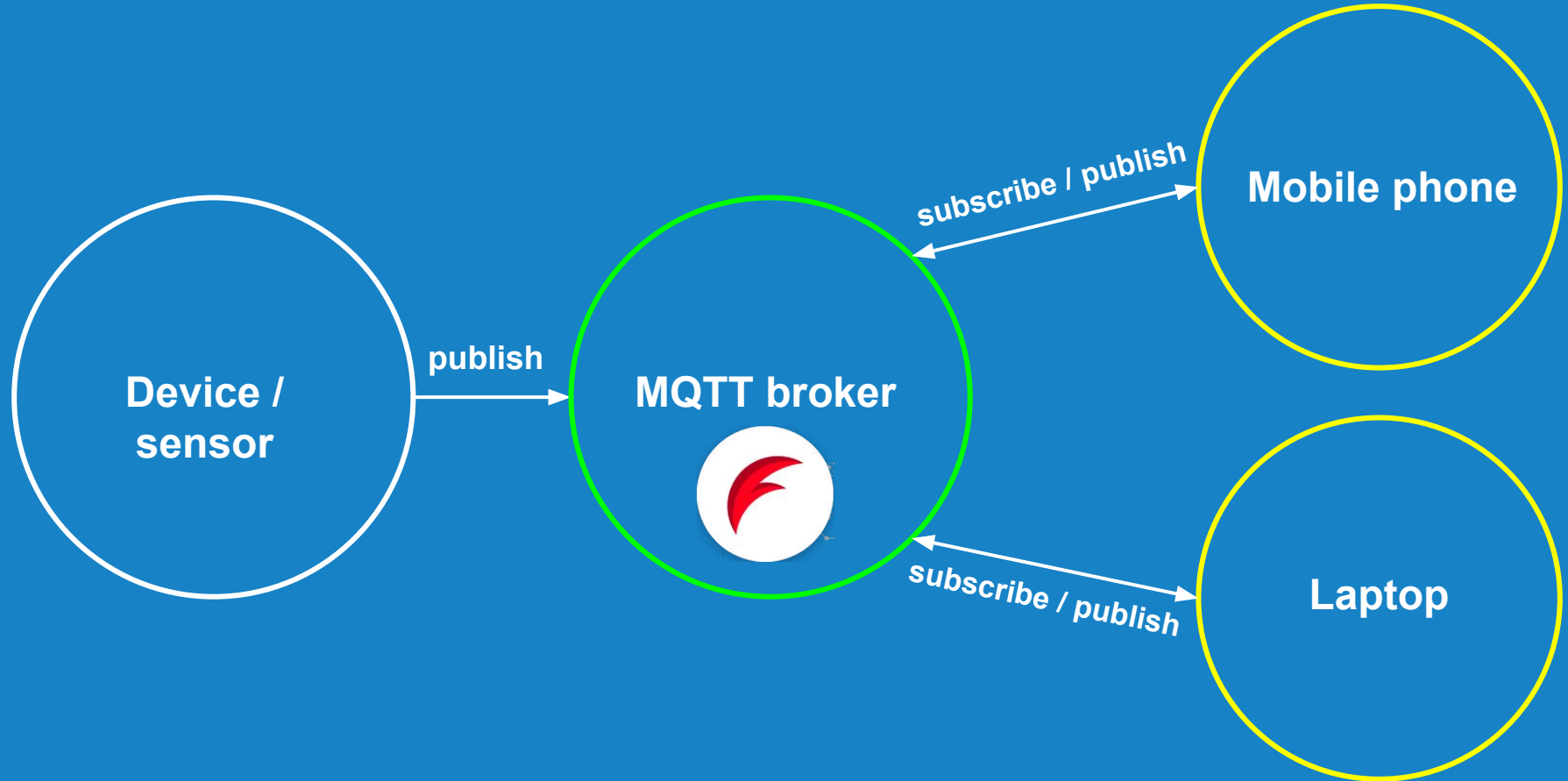
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Studying

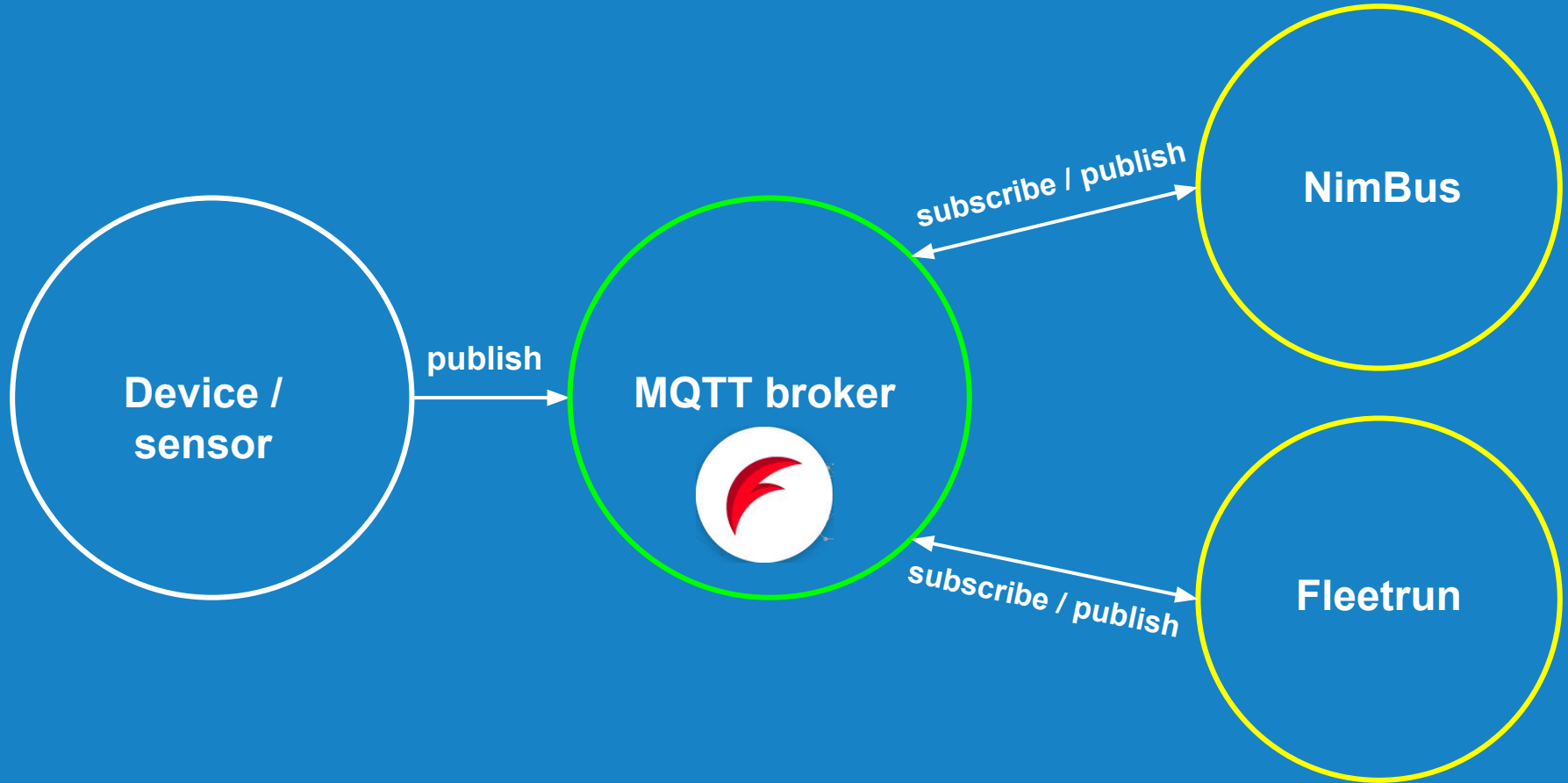
**Scalable
server
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**New
technologies**

New technologies



New technologies



New technologies



Why GitHub? ▾ Enterprise ▾ Explore ▾ Marketplace ▾ Pricing ▾

wialon / **gmqtt**

Watch

10

★ Star

59

🍴 Fork

8

Code

Issues 2

Pull requests 0

Projects 0

Security

Insights

Python MQTT v5.0 client

mqtt

python-mqtt-client

mqttv5

python

python-mqtt

67 commits

2 branches

7 releases

5 contributors

MIT

Branch: master ▾

New pull request

Find File

Clone or download ▾



Mixser Set long description type;

Latest commit d198e5b on Jun 6

examples	Examples + minor fix in message constructor (#16)	11 months ago
gmqtt	Clarification on protocol version downgrade (#48)	2 months ago
tests	Async on message for qos=0 messages also + custom client config (#35)	3 months ago
.gitignore	Unsubscribe functionality + pytest environment (#21)	10 months ago
.travis.yml	Explicit test dependencies	5 months ago
LICENSE	Init gmqtt project repo.	last year
MANIFEST.in	Updated version and added MANIFEST.in.	last year
README.md	Clarification on protocol version downgrade (#48)	2 months ago
pytest.ini	Unsubscribe functionality + pytest environment (#21)	10 months ago
setup.py	Set long description type;	2 months ago
test_requirements.txt	Test dependencies upgrade (#44)	2 months ago

New technologies

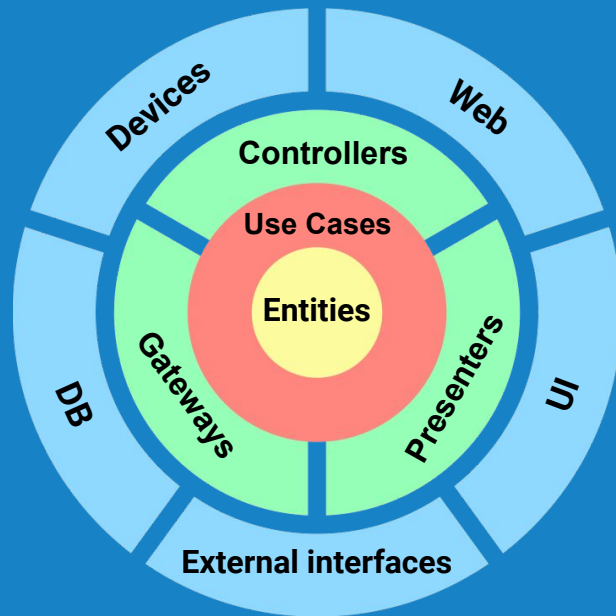


Wialon Android & iOS

New technologies

Clean Architecture principles:

- framework independence
- independence of business logic from the interface
- independence of modules from each other



- Enterprise Business Rules
- Application Business Rules
- Interface Adapters
- Frameworks & Drivers

New technologies

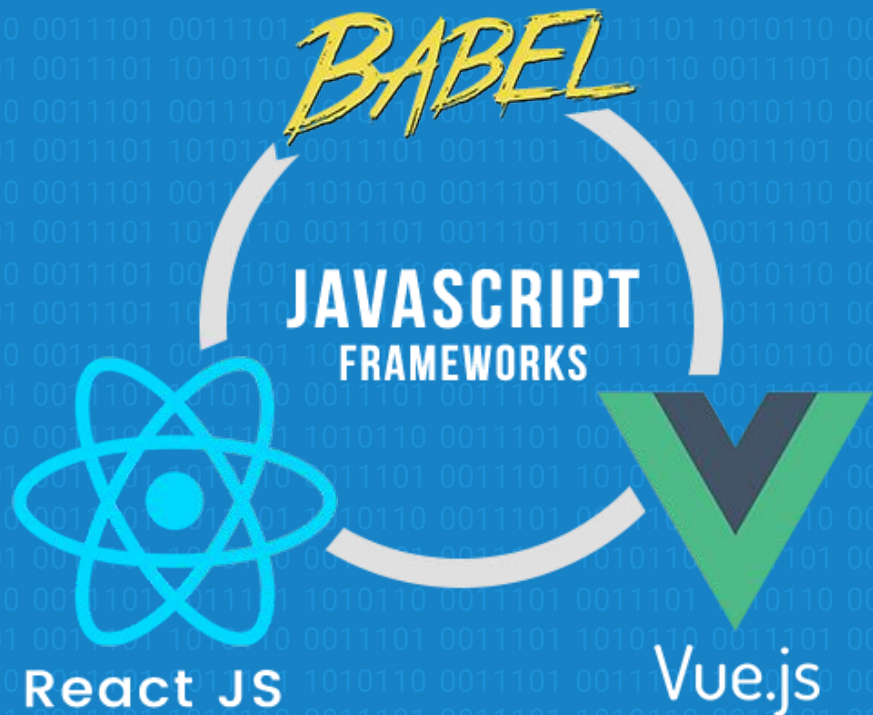


Kotlin



Swift

New technologies



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Restrictions that focus on results

Atypical activity that
can affect other
users



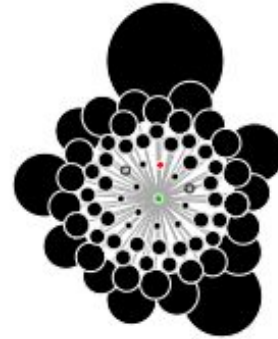
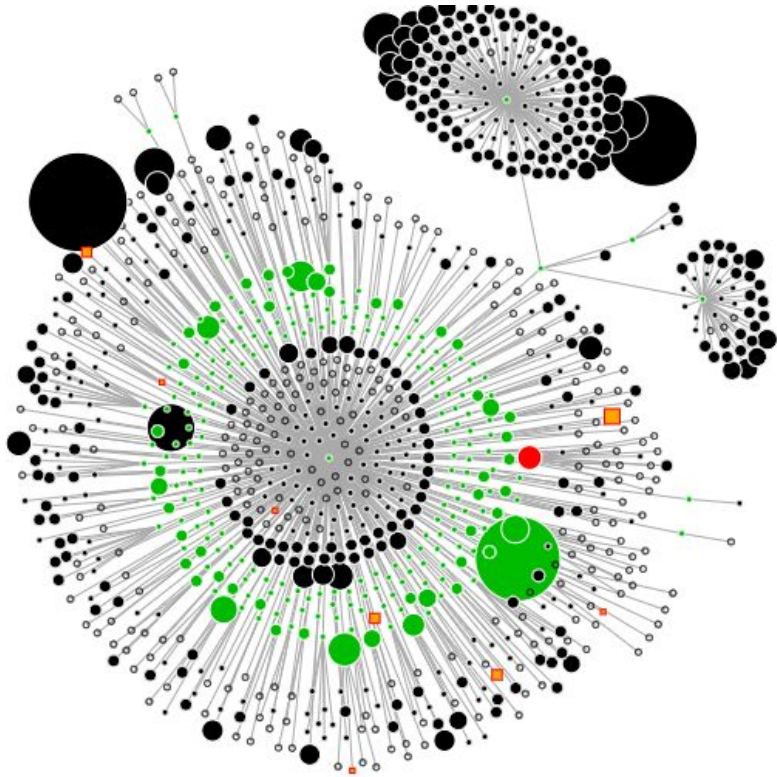
New Limit

Example of limits that appeared this way:

- Number of active sessions of one user
- Amount of messages loaded by user
- 1 message per second from a unit
- Report execution time
- Limit for simultaneously processed requests



Restrictions that focus on results

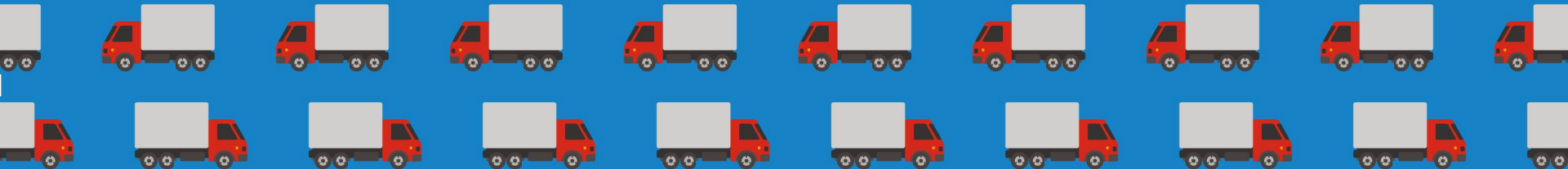


- TOP account
- Dealer account
- End user account

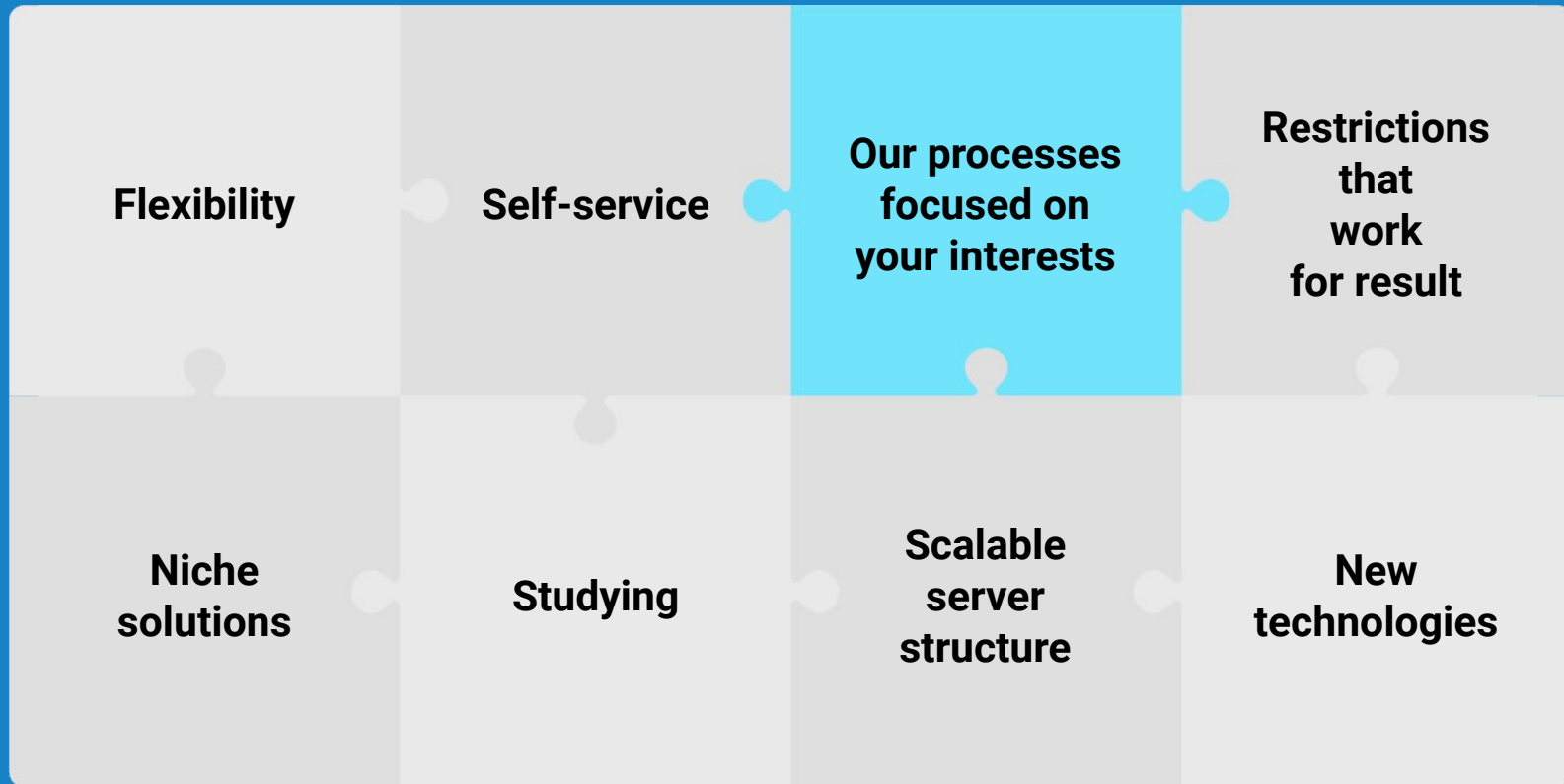
Size shows a number of units

Restrictions that focus on results

20,000
units



What we mean by an awesome product?



Our processes focused on your interests. Business Analysts



Tatsiana Kots
Hosting group



Pavel Chabai
Wialon Data Center group



Olga Horbat
Local group



Nastassia Maslovskaya
Hosting group



Victoria Suskova
Labs group



Kirill Tarasov
Web group



Anastasiya Dubina
Web group



Mariya Starikova
Labs group



Oleg Poroshin
Mobile group



Katerina Alexandrova
Labs group



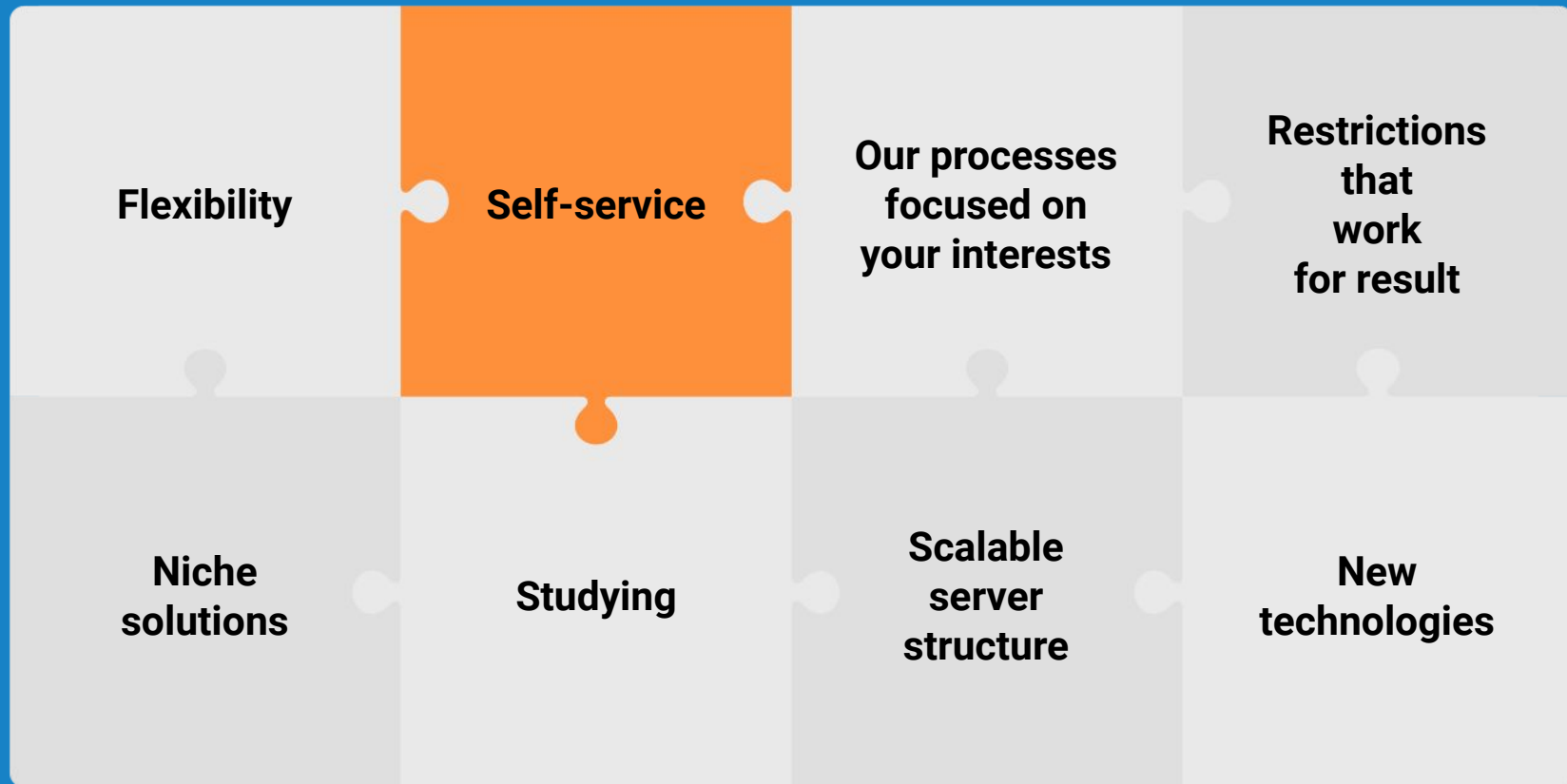
Viktor Yarovenko
HW group

Our processes focused on your interests. Experts

Who is a Product expert?

- Knows the product.
- Locates in development team.
- Personally accompanies your request.
- Informs you fully about the status of the task.

What we mean by an awesome product?



Selfservice

Available operations:

- Request an invoice
- See the balance
- See payment history
- Download marketing materials
- Request a personal design

The screenshot displays the GURTAM Personal Account interface. On the left is a sidebar menu with options: MAIN, COMPANY PROFILE, NOTIFICATIONS (5), DOCUMENTS AND MODULES, UNPAID INVOICES, PAYMENT HISTORY, MARKETING SUPPORT, WHITE LABEL, and TELEMATIX (MINSK, BELARUS). The main content area is divided into several sections:

- OVERALL BALANCE:** Shows a balance of 2 009 USD. Below this are links for Payment history and Unpaid invoices.
- DOCUMENTS AND MODULES:** Lists WIALON HOSTING (550 UNITS) for 2 009 USD and WIALON LOCAL.
- COMPANY PROFILE:** Includes fields for COMPANY, LEGAL ENTITY (1), OFFICES (0), STAFF (1), DEALERS (0), END-USERS (0), and POTENTIAL CLIENTS (4).
- POTENTIAL CLIENTS:** Features a donut chart showing the status of potential clients: In process (1), On hold (0), Sale won (3), and Sale lost (0).
- YOUR MANAGER:** Displays contact information for Valeriya Zinkevich, including phone and email.
- NOTIFICATIONS:** Lists recent updates, such as 'What's new in Wialon Hosting in July (part 1)' and 'Gurtam support unavailable on June 15, Sat.'.
- MARKETING SUPPORT:** Includes a link to REQUEST MARKETING SUPPORT.

The bottom of the dashboard features a banner for the Telematix Partner conference and a section for MARKETING SUPPORT with a CATALOGUE (36) and MY DOCUMENTS (0).

Selfservice

Here you can:

- Lead your own potential clients and requests forwarded by Gurtam
- Log all actions on your client
- Register all your dealers and end-users
- Assign potential clients to your managers and associate managers with users

MAIN >

COMPANY PROFILE >

NOTIFICATIONS 9 >

DOCUMENTS AND MODULES >

UNPAID INVOICES >

PAYMENT HISTORY >

MARKETING SUPPORT >

TELEMATIX (MINSK, BELARUS) >

COMPANY

LEGAL ENTITY (5)

OFFICES (1)

STAFF (2)

DEALERS (1)

END-USERS (0)

POTENTIAL CLIENTS (1)

+ ADD NEW COMPANY

FILTERS

Q Request or email

SEARCH

Status:

In process

On hold

Sale won

Sale lost

Manager:

Anthony Smith

not assigned

Request date

Next activity date

Request date	Next date	Company	Email
Jul 18, 2019	Aug 15, 2019	Sam Wilde / Lit International	samwilde@lit.com

Status

in process

Manager

Anthony Smith

Next activity date

Aug 15, 2019

ABOUT COMPANY

Company name

Sam Wilde / Lit International

Country

Belgium

City

Antwerp

Email

samwilde@lit.com

Phone numbers

(752)189-56-30

Website

litinternational.com

PRODUCT

Product type

Wialon Hosting

Units potential

100

DELETE

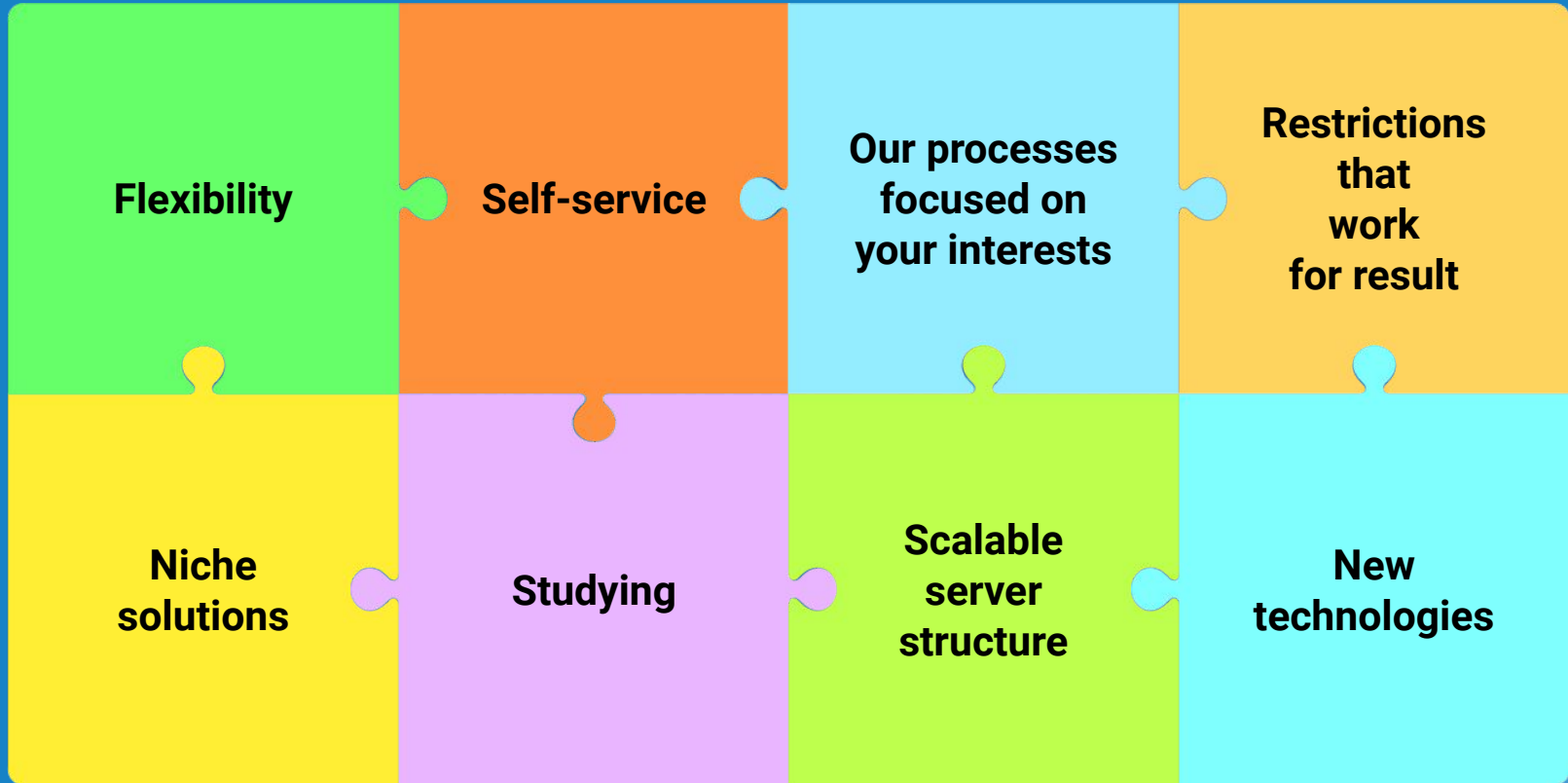
EDIT

+ COMMENT


Jul 23, 2019 | kaantest

Sam visited our office and met with the team. Discussed the following topics: - Outstanding deliverables: Logging in as sl work with users and subusers from Wialon Delete unit group user accounts with units which do not have cameras. Need Start Guide

What we mean by an awesome product?



Summary

- Our products are not only growing in units, but also actively developing.
 - We know that you are all different.
 - You are our hands in promoting Wialon-related products in the world.
 - You can ask us any questions.
- 

Let's keep in touch!



Tatsiana Kots

Head of Hosting group
tata@gurtam.com



Pavel Chabai

Business analyst
pash@gurtam.com

Thank you for your attention!

Pavel Chabai
Business analyst

Tatsiana Kots
Head of Hosting group

