



# STATE OF THE MAP

Milan, Italy 2018

## IT backend of the OpenStreetMap community

Sadless74  
aka  
Timofey Subbotin

# About me



My name is Timofey Subbotin.  
37 years old.

My profession is civil engineer.




More than 20 years I work with the  
computer, but more experienced user  
than a programmer or Linux  
administrator.

How did you contribute to OpenStreetMap?



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## How did you contribute to OpenStreetMap?

Sadless74

 **Name:** [Sadless74](#)  

**Registered:** December 16th, 2008  
**Active mapping days:** 557 (15.9%)  
**Created changesets:** 4 697  
**Map changes:** 748 108  
**GPS-tracks:** 2  
**Review requests:** 1 (own replies: 1)  
**Discussed own changesets:** 3  
**Type?** Heavy Mapper (Highly Active)


**Recent changesets (details):**  Russia 530  Vietnam 147

**Recent ranks:**  Russia [#12](#)  Vietnam [#14](#)

**OSM Notes:** Closed w/ comment 3 (w/o 39), commented 5 and opened 2  
**Changeset discussions:** Participated in 2 and [created 2 comments](#)

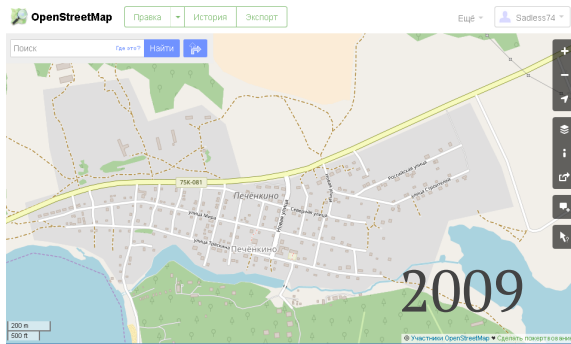
**229 mapping days with 3 609 changesets in the last year**

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
M													
W													
F													

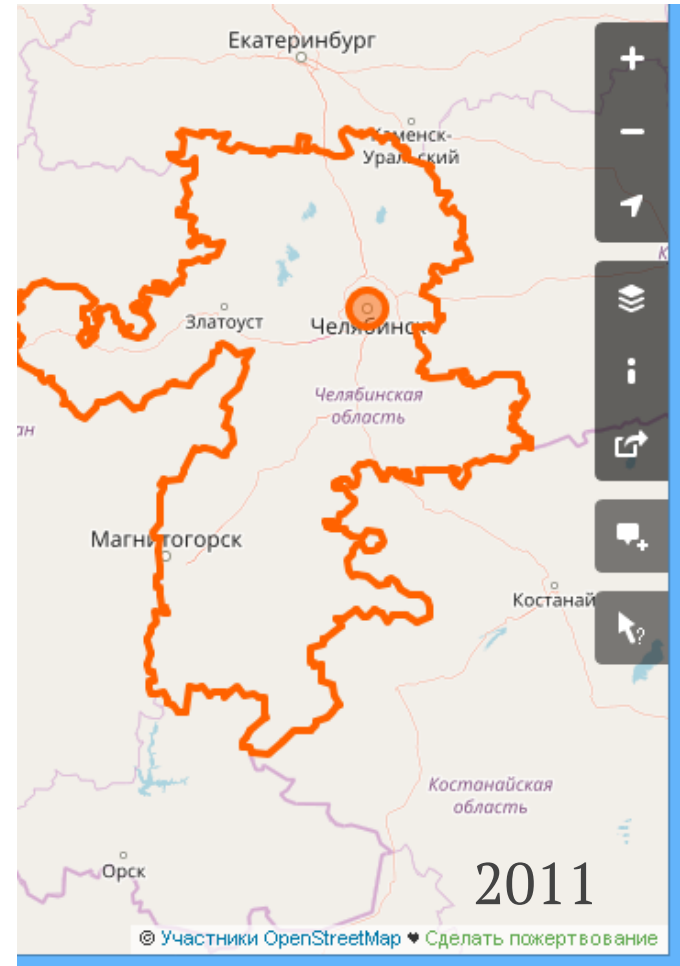
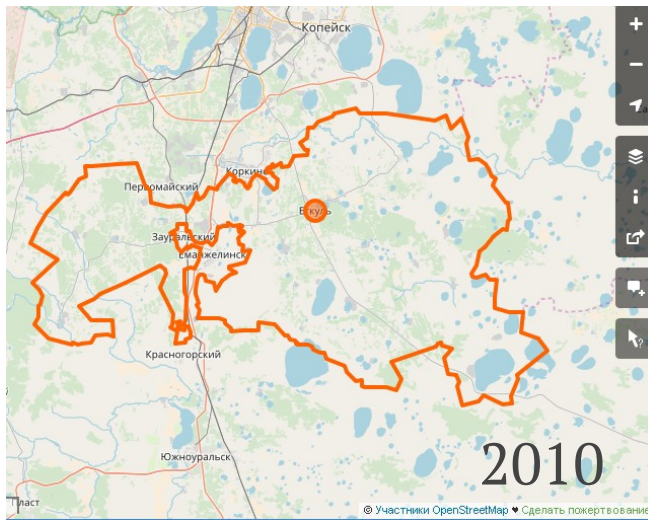
Less  More

<http://hdyc.neis-one.org/?Sadless74>

# OSM Newbie



2008



# OSM Russia

← → ↻ 🏠 <https://lists.openstreetmap.org/pipermail/talk-ru/> ... 📧 ☆ 🔍 Поиск

## Архивы списка рассылки Talk-ru

[Здесь](#) вы найдете информацию о списке рассылки.

Том архива	Сортировать по:	Версия для загрузки
Март 2015:	<a href="#">[ по обсуждениям ]</a> <a href="#">[ по теме ]</a> <a href="#">[ по автору ]</a> <a href="#">[ по дате ]</a>	<a href="#">[ текст, сжатый программой gzip, 415 байт(ов) ]</a>
Февраль 2013:	<a href="#">[ по обсуждениям ]</a> <a href="#">[ по теме ]</a> <a href="#">[ по автору ]</a> <a href="#">[ по дате ]</a>	<a href="#">[ текст, сжатый программой gzip, 3 KB ]</a>
Январь 2013:	<a href="#">[ по обсуждениям ]</a> <a href="#">[ по теме ]</a> <a href="#">[ по автору ]</a> <a href="#">[ по дате ]</a>	<a href="#">[ текст, сжатый программой gzip, 4 KB ]</a>
Декабрь 2012:	<a href="#">[ по обсуждениям ]</a> <a href="#">[ по теме ]</a> <a href="#">[ по автору ]</a> <a href="#">[ по дате ]</a>	<a href="#">[ текст, сжатый программой gzip, 481 байт(ов) ]</a>
Август 2012:	<a href="#">[ по обсуждениям ]</a> <a href="#">[ по теме ]</a> <a href="#">[ по автору ]</a> <a href="#">[ по дате ]</a>	<a href="#">[ текст, сжатый программой gzip, 3 KB ]</a>
Апрель 2012:	<a href="#">[ по обсуждениям ]</a> <a href="#">[ по теме ]</a> <a href="#">[ по автору ]</a> <a href="#">[ по дате ]</a>	<a href="#">[ текст, сжатый программой gzip, 1 KB ]</a>
Март 2012:	<a href="#">[ по обсуждениям ]</a> <a href="#">[ по теме ]</a> <a href="#">[ по автору ]</a> <a href="#">[ по дате ]</a>	<a href="#">[ текст, сжатый программой gzip, 3 KB ]</a>
Февраль 2012:	<a href="#">[ по обсуждениям ]</a> <a href="#">[ по теме ]</a> <a href="#">[ по автору ]</a> <a href="#">[ по дате ]</a>	<a href="#">[ текст, сжатый программой gzip, 22 KB ]</a>
Август 2011:	<a href="#">[ по обсуждениям ]</a> <a href="#">[ по теме ]</a> <a href="#">[ по автору ]</a> <a href="#">[ по дате ]</a>	<a href="#">[ текст, сжатый программой gzip, 2 KB ]</a>
Июнь 2011:	<a href="#">[ по обсуждениям ]</a> <a href="#">[ по теме ]</a> <a href="#">[ по автору ]</a> <a href="#">[ по дате ]</a>	<a href="#">[ текст, сжатый программой gzip, 2 KB ]</a>
Март 2011:	<a href="#">[ по обсуждениям ]</a> <a href="#">[ по теме ]</a> <a href="#">[ по автору ]</a> <a href="#">[ по дате ]</a>	<a href="#">[ текст, сжатый программой gzip, 6 KB ]</a>
Ноябрь 2010:	<a href="#">[ по обсуждениям ]</a> <a href="#">[ по теме ]</a> <a href="#">[ по автору ]</a> <a href="#">[ по дате ]</a>	<a href="#">[ текст, сжатый программой gzip, 1 KB ]</a>
Август 2010:	<a href="#">[ по обсуждениям ]</a> <a href="#">[ по теме ]</a> <a href="#">[ по автору ]</a> <a href="#">[ по дате ]</a>	<a href="#">[ текст, сжатый программой gzip, 1 KB ]</a>
Июль 2010:	<a href="#">[ по обсуждениям ]</a> <a href="#">[ по теме ]</a> <a href="#">[ по автору ]</a> <a href="#">[ по дате ]</a>	<a href="#">[ текст, сжатый программой gzip, 1 KB ]</a>
Июнь 2010:	<a href="#">[ по обсуждениям ]</a> <a href="#">[ по теме ]</a> <a href="#">[ по автору ]</a> <a href="#">[ по дате ]</a>	<a href="#">[ текст, сжатый программой gzip, 1 KB ]</a>
Апрель 2010:	<a href="#">[ по обсуждениям ]</a> <a href="#">[ по теме ]</a> <a href="#">[ по автору ]</a> <a href="#">[ по дате ]</a>	<a href="#">[ текст, сжатый программой gzip, 854 байт(ов) ]</a>
Декабрь 2009:	<a href="#">[ по обсуждениям ]</a> <a href="#">[ по теме ]</a> <a href="#">[ по автору ]</a> <a href="#">[ по дате ]</a>	<a href="#">[ текст, сжатый программой gzip, 741 байт(ов) ]</a>

<https://lists.openstreetmap.org/pipermail/talk-ru/>


# OSM Russia

• CGI:IRC - #osm-ru [132] x +

← → X 🏠 ⓘ 🔒 https://irc.openstreetmap.org/irc.cgi

Status #osm-ru

\*\*\* CGI719 [~5f4ea787@shenron.openstreetmap.org] has joined #osm-ru

\*\*\*  <https://telegram.me/ruosm> >> жизнь переехала в телеграм | Канал русс  
Лог канала <http://logs.nanodesu.ru/%23osm-ru/%23osm-ru.latest.log.html> | don't ask

\*\*\* Topic set by ChanServ|services@services.oftc.net [Wed Apr 11 12:16:03 2018]

\*\*\* CGI719 CGI943 Telegram[m]26 VitaliBalandinTelegram[m] Telegram[m]19 Freer  
KonstantinTelegram[m] liteTelegram[m] SerjVanillaTelegram[m] JimDiTelegram[m]  
ArthurKasimovTelegram[m] shikhov1[m] Telegram[m]16 VladimirElistratovTelegra  
AlekseyShikhovTelegram[m] PavelKTelegram[m] DmitryAfoninTelegram[m] Konst  
\*\*\* QwatzWartzyTelegram[m] IlyaGTelegram[m] IgorTelegram[m] VictorvshcherbTel

<https://irc.openstreetmap.org/irc.cgi>

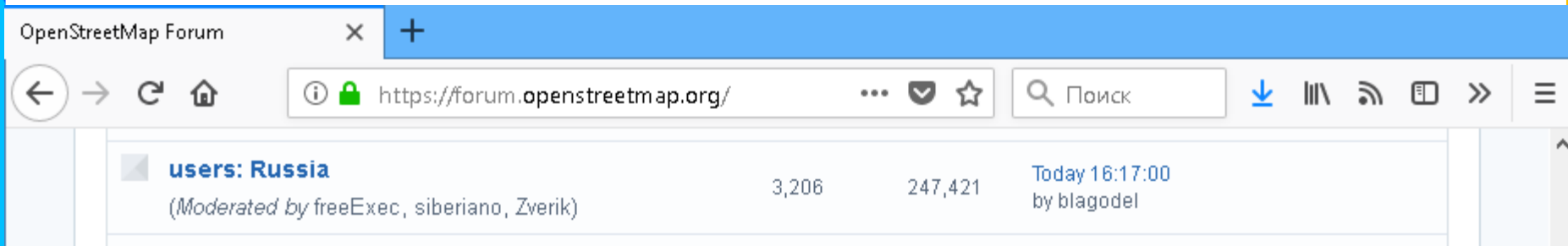
# OSM Russia

The screenshot shows a Telegram web interface in a browser. The address bar contains the URL <https://web.telegram.org/#/im?p=@ruosm>. The page header identifies the group as "OpenStreetMap RU" with 385 members. A post from Alexander Istomin, dated 2:00:39 AM, is visible. The post content includes a link to <https://telegram.org/blog/passport> and the text "телеграм избрел паспорт". Below this, it says "Introducing Telegram Passport" and "Meet Telegram Passport – a unified authorization method for services that require personal identification." The interface also shows a search bar, a list of group members on the left, and a message input field at the bottom.

<https://web.telegram.org/#/im?p=@ruosm>

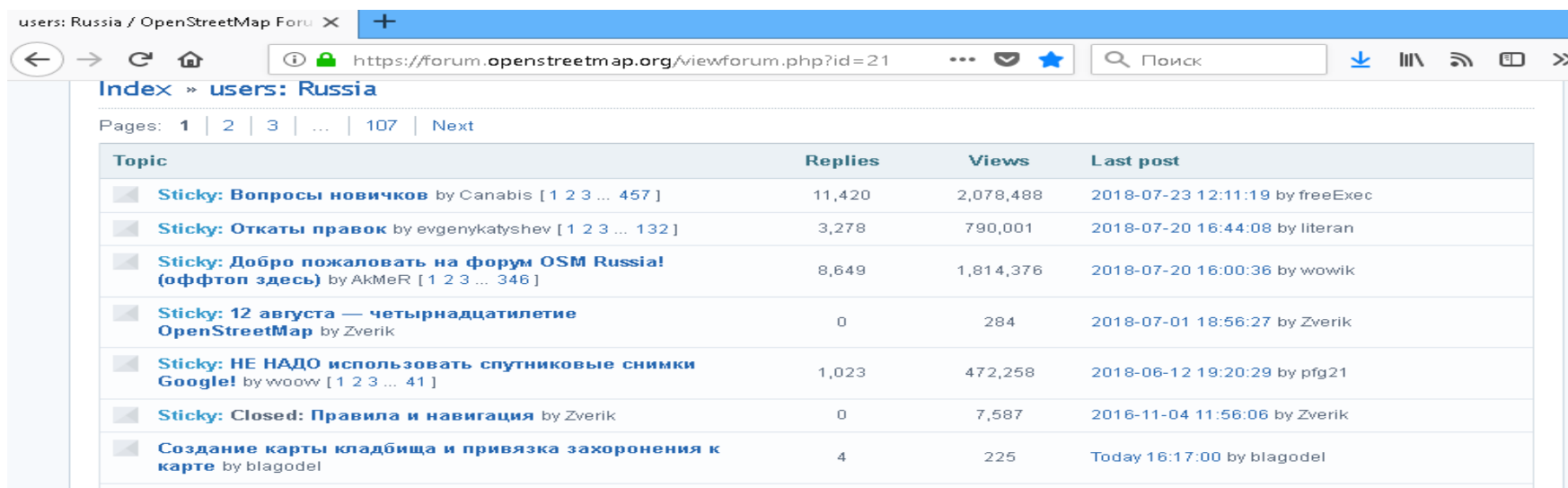
# OSM Russia

<https://forum.openstreetmap.org/>



A screenshot of a web browser showing the OpenStreetMap Forum homepage. The browser tab is labeled "OpenStreetMap Forum". The address bar shows the URL "https://forum.openstreetmap.org/". The page content includes a header for the "users: Russia" forum, moderated by freeExec, siberiano, and Zverik. It shows 3,206 topics and 247,421 posts. The last post was made today at 16:17:00 by blagodel.

<https://forum.openstreetmap.org/viewforum.php?id=21>



A screenshot of the OpenStreetMap Forum forum page for "users: Russia". The browser tab is labeled "users: Russia / OpenStreetMap Forum". The address bar shows the URL "https://forum.openstreetmap.org/viewforum.php?id=21". The page content includes a header for the "users: Russia" forum, moderated by freeExec, siberiano, and Zverik. It shows 3,206 topics and 247,421 posts. The last post was made today at 16:17:00 by blagodel. Below the header is a table of forum topics.

Topic	Replies	Views	Last post
<b>Sticky: Вопросы новичков</b> by Canabis [ 1 2 3 ... 457 ]	11,420	2,078,488	2018-07-23 12:11:19 by freeExec
<b>Sticky: Откаты правок</b> by evgenykatyshev [ 1 2 3 ... 132 ]	3,278	790,001	2018-07-20 16:44:08 by literan
<b>Sticky: Добро пожаловать на форум OSM Russia! (оффтоп здесь)</b> by AkMeR [ 1 2 3 ... 346 ]	8,649	1,814,376	2018-07-20 16:00:36 by wowik
<b>Sticky: 12 августа — четырнадцатилетие OpenStreetMap</b> by Zverik	0	284	2018-07-01 18:56:27 by Zverik
<b>Sticky: НЕ НАДО использовать спутниковые снимки Google!</b> by woow [ 1 2 3 ... 41 ]	1,023	472,258	2018-06-12 19:20:29 by pfg21
<b>Sticky: Closed: Правила и навигация</b> by Zverik	0	7,587	2016-11-04 11:56:06 by Zverik
<b>Создание карты кладбища и привязка захоронения к карте</b> by blagodel	4	225	Today 16:17:00 by blagodel

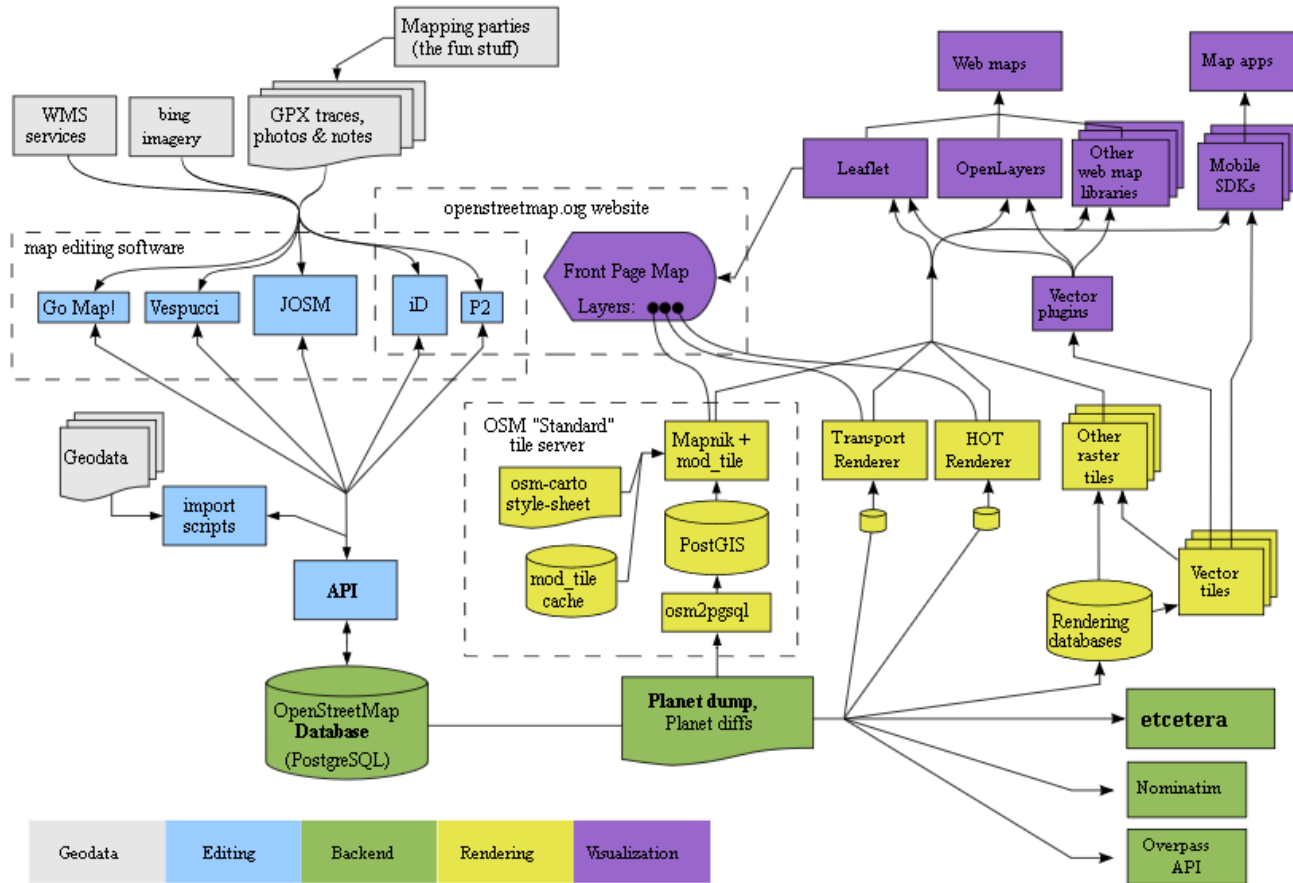


# OSM Community



<https://www.gitbook.com/book/hintjens/social-architecture/details>

# OSM Component



[https://wiki.openstreetmap.org/wiki/Component\\_overview](https://wiki.openstreetmap.org/wiki/Component_overview)

# Own Server - domain

The image shows a browser window with the URL <http://www.freenom.com/en/index.html>. The page features the Freenom logo and navigation links for Services, Partners, About Freenom, Support, Sign in, and English. A large banner image of a busy city street at night is overlaid with a white search bar containing the text "Find a new FREE domain" and a blue circular button labeled "Check Availability".

<http://www.freenom.com/en/index.html>

# Own Server domain

The screenshot shows the Hurricane Electric Free DNS Management interface for the zone `osmru.ml`. The interface includes a navigation menu on the left and a main table of DNS records.

**Account Menu**

- Welcome
- Origin `ipv6.he.net`
- Logout

**System Menu**

- Return to main

**Quick Links**

- Certification
- Tunnelbroker
- Free DNS
- Forums
- FAQ
- Video Presentations
- Mobile Network Apps
- Network Map
- Looking Glass (v4/v6)
- Route Server (telnet)
- Global IPv6 Report
- IPv6 BGP View

**Services**

- Transit
- Colocation
- Dedicated Servers

**Hurricane Electric Free DNS Management**  
Managing zone: `osmru.ml`

Buttons: [New A](#) [New AAAA](#) [New CNAME](#) [New MX](#) [New NS](#) [New TXT](#) [Additional](#) [Set TTL](#)

Name	Type	TTL	Priority	Data	DDNS	Delete
osmru.ml	SOA	86400	-	ns1.he.net hostmaster.he.net. 2018071709 10800 1800 604800 86400		
osmru.ml	NS	86400	-	ns1.he.net		
osmru.ml	NS	86400	-	ns2.he.net		
osmru.ml	NS	86400	-	ns3.he.net		
osmru.ml	NS	86400	-	ns5.he.net		
osmru.ml	NS	86400	-	ns4.he.net		
admin.osmru.ml	A	300	-	176.226.170.68		
ftp.osmru.ml	A	300	-	176.226.170.68		
m.osmru.ml	A	300	-	176.226.170.68		
mail.osmru.ml	A	300	-	176.226.170.68		
maps.osmru.ml	A	300	-	176.226.170.68		
old.osmru.ml	A	300	-	176.226.170.68		
osmru.ml	A	300	-	176.226.170.68		
tile.osmru.ml	A	300	-	176.226.170.68		
webmail.osmru.ml	A	300	-	176.226.170.68		
www.osmru.ml	A	300	-	176.226.170.68		
osmru.ml	MX	300	5	osmru.ml		

<https://dns.he.net/>

# Own Server

The screenshot displays the phpVirtualBox web interface. At the top, there is a browser window with the address `http://127.0.0.1:9999/`. Below the browser, the interface includes a menu with 'Файл', 'Машина', and 'Справка'. A toolbar contains icons for 'Создать' (Create), 'Настроить' (Configure), 'Запустить' (Start), and 'Остановить' (Stop). On the right side of the toolbar, there are buttons for 'Детали' (Details), 'Снимки' (Snapshots), and 'Консоль' (Console).

The main content area is divided into two columns. The left column lists several virtual machines:

- VirtualBox (127.0.0.1)**: Хост - 5.0.40
- u1604-osmru**: Работает (Running)
- webmin**: Работает (Running)
- yhost**: Прервана (Suspended)
- Alpine**: Выключена (Powered Off)
- u1604-osmrvn**: Выключена (Powered Off)
- opendatachel**: Выключена (Powered Off)

The right column shows the details for the selected VM, 'u1604-osmru'. It is divided into several sections:

- Общие** (General):
  - Имя: u1604-osmru
  - Тип ОС: Ubuntu (64-bit)
- Система** (System):
  - Основная память: 4096 МБ
  - Процессор(ы): 4
  - Порядок загрузки: Жёсткий диск, Оптический диск
  - Ускорение: VT-x/AMD-V, Nested Paging, PAE/NX, KVM Paravirtualization
- Дисплей** (Display):
  - Видеопамять: 12 МБ
  - Порт сервера удалённого дисплея: 9000-9100 (127.0.0.1)
- Носители** (Storage):
  - Контроллер: SATA
  - SATA порт 0: u1604-osmru-disk1.vdi (Обычный, 1 ТБ)
  - Контроллер: IDE
  - Вторичный мастер IDE: [Оптический привод] Пусто

At the bottom right, there is a 'Превью' (Preview) window showing a black screen with the text 'u1604-osmru' in white.

Own Local Virtual Private Server (VirtualBox)

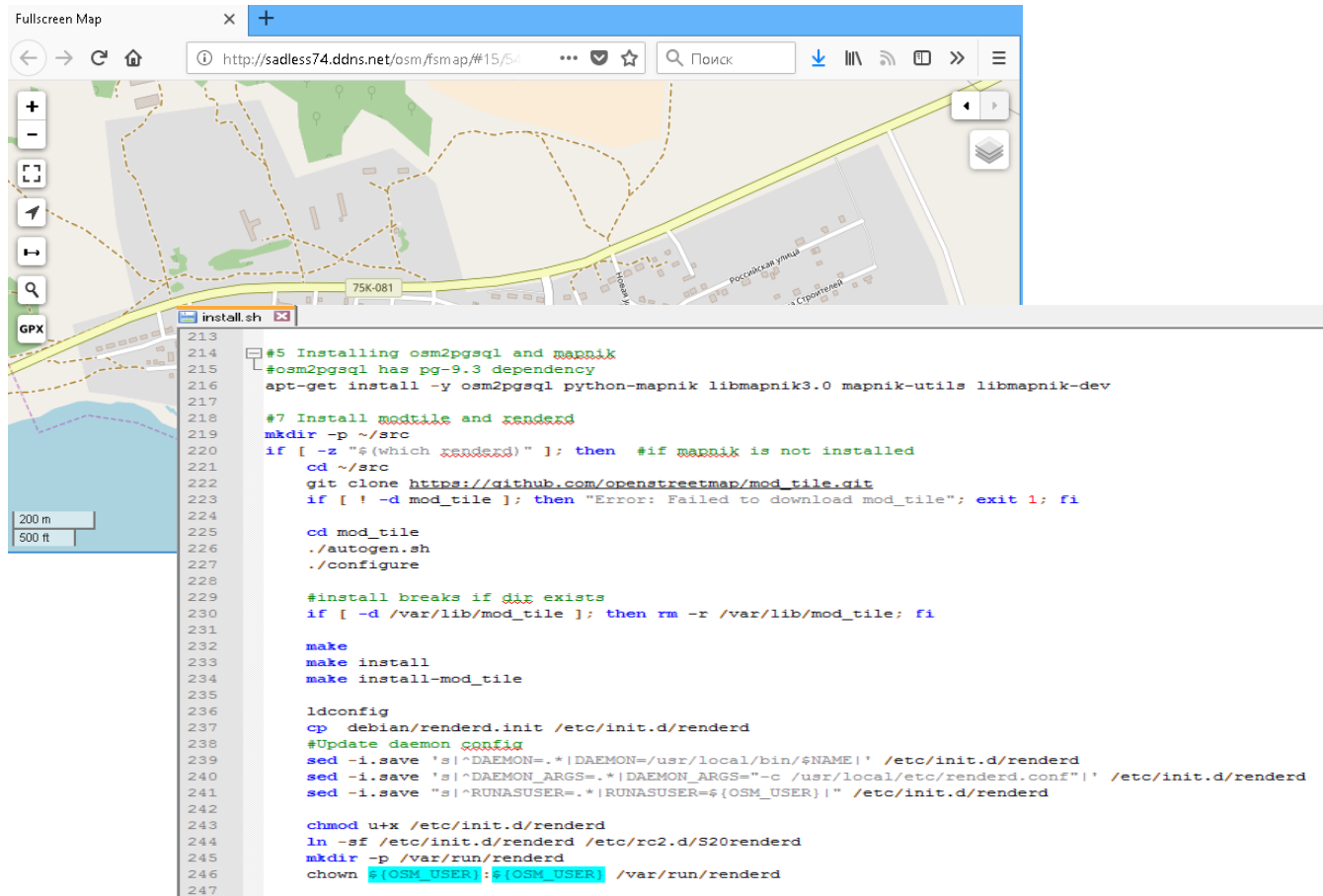
# Own Server

The screenshot displays the Virtualmin web interface. The left sidebar contains navigation options such as 'Create Virtual Server', 'Edit Virtual Server', 'Edit Users', 'Edit Databases', 'Install Scripts', 'Administration Options', 'Server Configuration', 'Disable and Delete', 'Services', and 'Logs and Reports'. The main content area is titled 'System Information' and features four circular gauges for resource usage: CPU at 73%, REAL MEMORY at 65%, VIRTUAL MEMORY at 7%, and LOCAL DISK SPACE at 45%. Below the gauges, a table lists system details:

System hostname	webmin (127.0.0.1)
Operating system	CentOS Linux 7.
Webmin version	1
Theme version	Authentic Theme 17.72
Time on system	Thursday, April 28, 2016 7:00 AM
Kernel and CPU	Linux 3.10.0-229.el7.x86_64

<https://www.virtualmin.com/>

# Own Server – Tile render

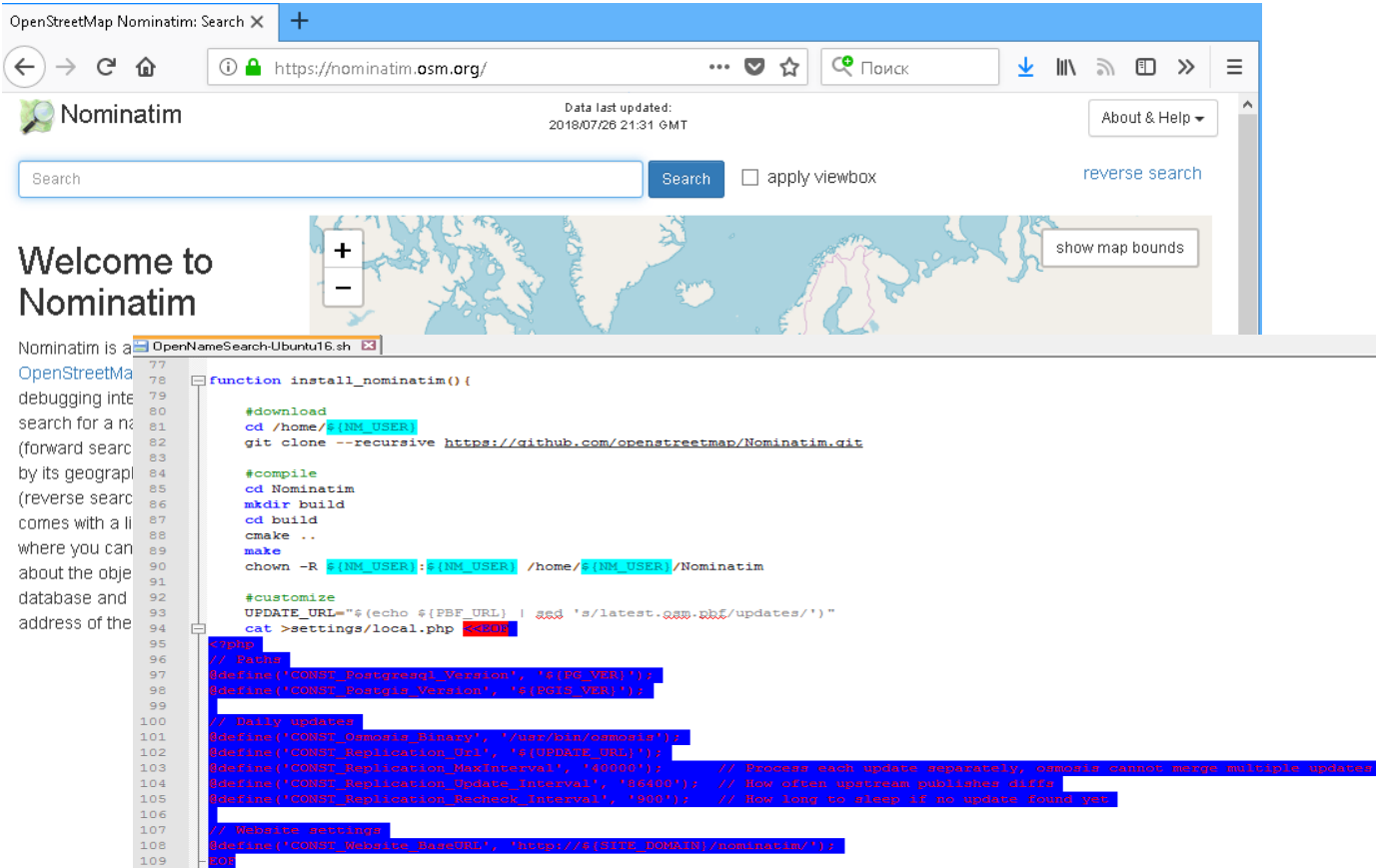


The screenshot shows a web browser window with a map of a city street. The browser's address bar contains the URL `http://sadless74.ddns.net/osm/fsmap/#15/50`. Below the map, a terminal window is open, displaying the following shell script:

```
213
214 #5 Installing osm2pgsql and mapnik
215 #osm2pgsql has pg-9.3 dependency
216 apt-get install -y osm2pgsql python-mapnik libmapnik3.0 mapnik-utils libmapnik-dev
217
218 #7 Install modtile and renderd
219 mkdir -p ~/src
220 if [ -z "$(which renderd)" ]; then #if mapnik is not installed
221     cd ~/src
222     git clone https://github.com/openstreetmap/mod_tile.git
223     if [ ! -d mod_tile ]; then "Error: Failed to download mod_tile"; exit 1; fi
224
225     cd mod_tile
226     ./autogen.sh
227     ./configure
228
229     #install breaks if dir exists
230     if [ -d /var/lib/mod_tile ]; then rm -r /var/lib/mod_tile; fi
231
232     make
233     make install
234     make install-mod_tile
235
236     ldconfig
237     cp debian/renderd.init /etc/init.d/renderd
238     #Update daemon config
239     sed -i.save 's|^DAEMON=.+|DAEMON=/usr/local/bin/$(NAME)|' /etc/init.d/renderd
240     sed -i.save 's|^DAEMON_ARGS=.+|DAEMON_ARGS="-c /usr/local/etc/renderd.conf"|' /etc/init.d/renderd
241     sed -i.save 's|^RUNASUSER=.+|RUNASUSER=$(OSM_USER)|' /etc/init.d/renderd
242
243     chmod u+x /etc/init.d/renderd
244     ln -sf /etc/init.d/renderd /etc/rc2.d/S20renderd
245     mkdir -p /var/run/renderd
246     chown $(OSM_USER):$(OSM_USER) /var/run/renderd
247
```

<https://github.com/AcuGIS/OpenTileServer>

# Own Server - Geocoder



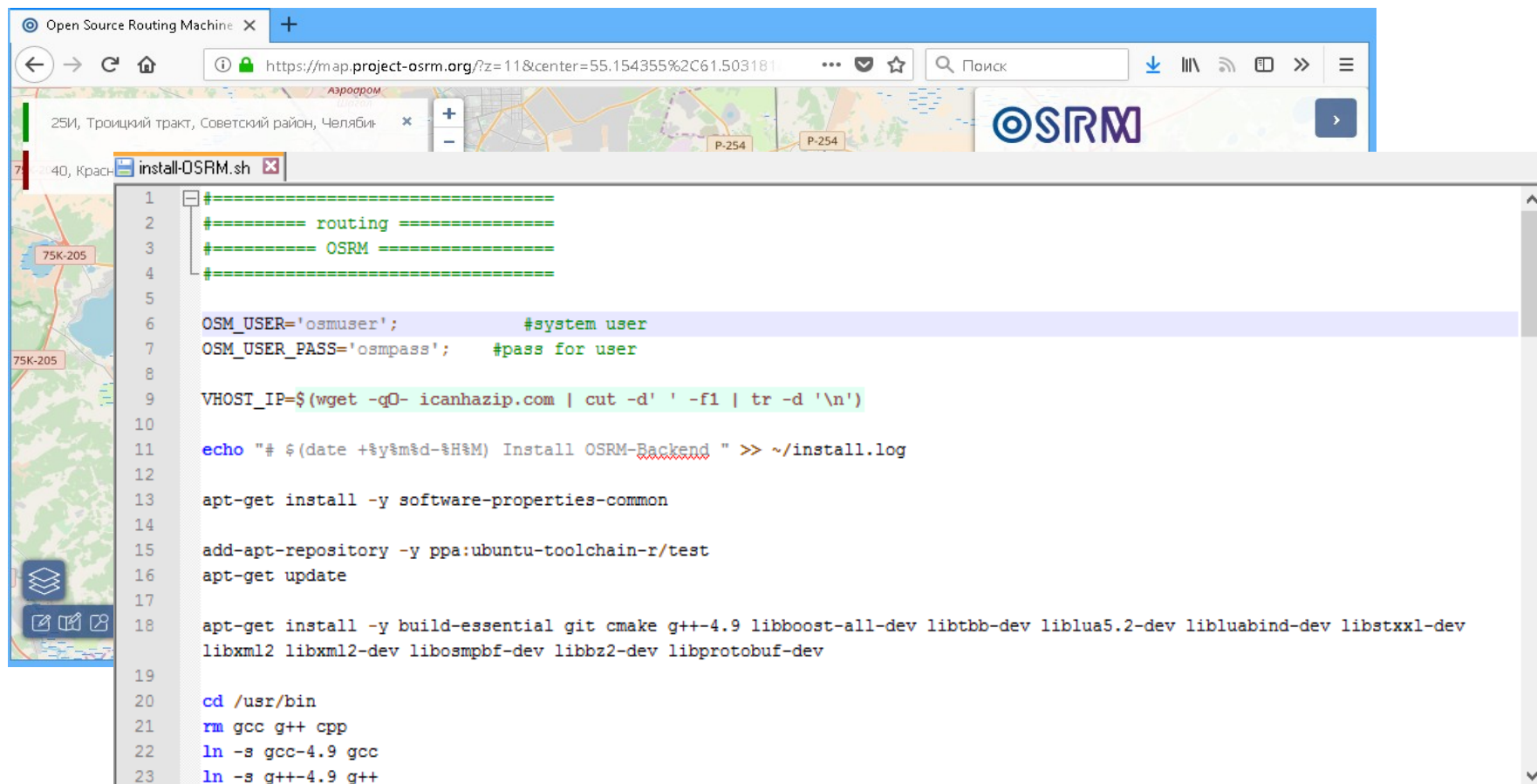
The screenshot shows a web browser window with the URL `https://nominatim.osm.org/`. The page displays the Nominatim search interface, including a search bar, a map, and a "Welcome to Nominatim" message. Below the browser window, a terminal window is open, showing the installation script for Nominatim. The script includes commands for downloading the source code, compiling it, and customizing the update URL.

```
function install_nominatim() {  
    #download  
    cd /home/${NM_USER}  
    git clone --recursive https://github.com/openstreetmap/Nominatim.git  
  
    #compile  
    cd Nominatim  
    mkdir build  
    cd build  
    cmake ..  
    make  
    chown -R ${NM_USER}:${NM_USER} /home/${NM_USER}/Nominatim  
  
    #customize  
    UPDATE_URL="$(echo ${PBF_URL} | sed 's/latest-xxx-yy/updates/')"  
    cat >settings/local.php sed  
  
    <?php  
    // Patch  
    define('CONST_Patching_Version', '1.0.0-DEV');  
    define('CONST_Patching_Version', '1.0.0-DEV');  
  
    // Daily updates  
    define('CONST_omniscient_binary', '/usr/bin/curl');  
    define('CONST_Replication_Url', '8(UPDATE_URL)');  
    define('CONST_Replication_MaxInterval', '40000'); // Proceed each update separately, curl/PHP cannot merge multiple updates  
    define('CONST_Replication_Update_Interval', '86400'); // How often update from published data  
    define('CONST_Replication_Check_Interval', '1800'); // How long to sleep if no update found yet  
  
    // Website settings  
    define('CONST_Website_Password', 'https://8(STATE_DOMAIN)/nominatim/');  
    exit  
}
```

<https://github.com/AcuGIS/OpenNameSearch>



# Own Server - Routing

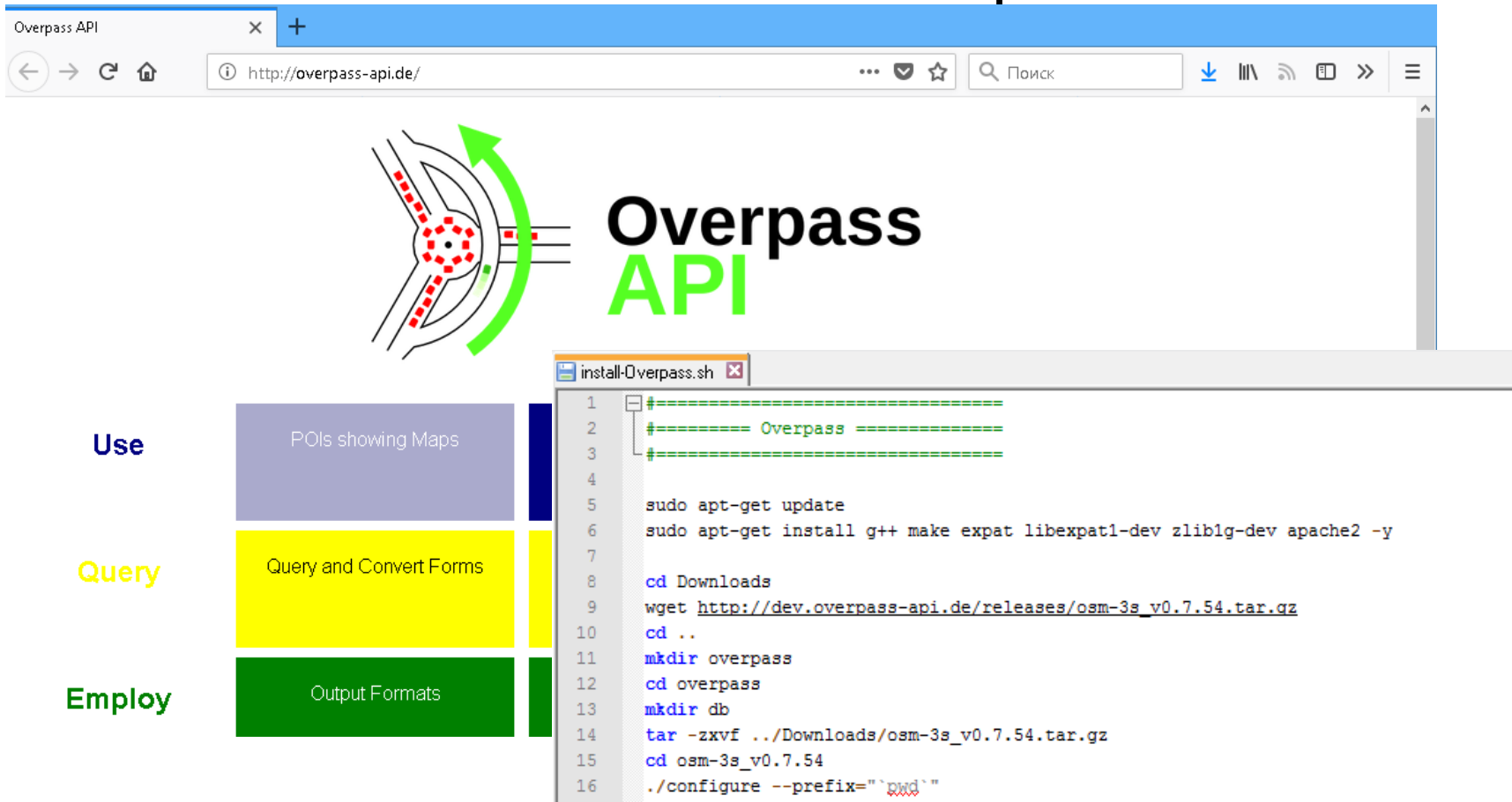


The screenshot shows a web browser window with the URL `https://map.project-osrm.org/?z=11&center=55.154355%2C61.503181`. The browser displays a map of a location in Chelyabinsk, Russia, with the OSRM logo in the top right corner. Below the browser, a terminal window titled `install-OSRM.sh` is open, displaying the following script content:

```
1 #=====  
2 # routing =====  
3 # OSRM =====  
4 #=====  
5  
6 OSM_USER='osmuser';           #system user  
7 OSM_USER_PASS='osmpass';     #pass for user  
8  
9 VHOST_IP=$(wget -qO- icanhazip.com | cut -d' ' -f1 | tr -d '\n')  
10  
11 echo "# $(date +%Y%m%d-%H%M) Install OSRM-Backend" >> ~/install.log  
12  
13 apt-get install -y software-properties-common  
14  
15 add-apt-repository -y ppa:ubuntu-toolchain-r/test  
16 apt-get update  
17  
18 apt-get install -y build-essential git cmake g++-4.9 libboost-all-dev libtbb-dev liblua5.2-dev libluabind-dev libstxxl-dev  
libxml2 libxml2-dev libosmpbf-dev libbz2-dev libprotobuf-dev  
19  
20 cd /usr/bin  
21 rm gcc g++ cpp  
22 ln -s gcc-4.9 gcc  
23 ln -s g++-4.9 g++
```

<https://github.com/Project-OSRM/osrm-backend/wiki/Building-on-Ubuntu>

# Own Server - Overpass



The image shows a browser window at <http://overpass-api.de/> displaying the Overpass API logo and a diagram of a network. Below the browser, a terminal window titled 'install-Overpass.sh' shows the following commands:

```
1 # =====  
2 # ----- Overpass -----  
3 # =====  
4  
5 sudo apt-get update  
6 sudo apt-get install g++ make expat libexpat1-dev zlib1g-dev apache2 -y  
7  
8 cd Downloads  
9 wget http://dev.overpass-api.de/releases/osm-3s_v0.7.54.tar.gz  
10 cd ..  
11 mkdir overpass  
12 cd overpass  
13 mkdir db  
14 tar -zxvf ../Downloads/osm-3s_v0.7.54.tar.gz  
15 cd osm-3s_v0.7.54  
16 ./configure --prefix="`pwd`"
```

- Use** POIs showing Maps
- Query** Query and Convert Forms
- Employ** Output Formats

[https://wiki.osm.org/wiki/User:Breki/Overpass\\_API\\_Installation](https://wiki.osm.org/wiki/User:Breki/Overpass_API_Installation)

# Own Server - Validators

Между прочим, таблица сортируется. Нужно кликнуть на заголовок столбца.

Код	Карта	Всего адресов	Доля битых адресов, дома %	Доля улиц вне города %	Доля улиц вне региона %	Доля городов без alp %	Число рутинговых ребер	Число рутинговых подграфов	Число рутинговых подграфов tertiary	Типики важных дорог	Дубликаты ребер	Города без населения	Разрывы береговой линии	Дата
RU-AMU	<a href="#">Амурская обл.</a>	6158	<a href="#">2.57</a>	<a href="#">5.27</a>	5.27	0.00	32227	30	24	0	0	1	0	2018-07-22
RU-AST	<a href="#">Астраханская обл.</a>	10216	<a href="#">3.28</a>	<a href="#">15.27</a>	4.96	0.00	32735	20	2	1	0	1	0	2018-07-22
RU-AL	<a href="#">Республика Алтай</a>	1702	<a href="#">16.86</a>	<a href="#">9.72</a>	2.23	0.00	14439	10	0	0	0	1	0	2018-07-22
RU-BU	<a href="#">Республика Бурятия</a>	6488	<a href="#">11.24</a>	<a href="#">21.21</a>	6.45	0.00	41383	148	3	2	0	1	0	2018-07-22
RU-BRY	<a href="#">Брянская обл.</a>	30527	<a href="#">1.46</a>	<a href="#">7.26</a>	4.28	0.00	55862	7	12	0	0	1	0	2018-07-22
RU-CHU	<a href="#">Чукотский АО</a>	337	<a href="#">13.06</a>	<a href="#">17.95</a>	43.59	?	1956	20	6	0	0	0	0	2018-07-22
RU-CE	<a href="#">Чеченская Республика</a>	689	<a href="#">14.51</a>	<a href="#">31.50</a>	3.86	0.00	38749	24	0	0	0	1	0	2018-07-22
RU-BA	<a href="#">Республика Башкортостан</a>	74101	<a href="#">2.34</a>	<a href="#">5.80</a>	2.03	0.00	120295	164	5	0	0	4	0	2018-07-22
RU-CU	<a href="#">Чувашская Республика</a>	22526	<a href="#">2.08</a>	<a href="#">3.79</a>	9.56	0.00	52451	28	1	0	0	2	0	2018-07-22
RU-IN	<a href="#">Республика Ингушетия</a>	2477	<a href="#">4.97</a>	<a href="#">15.28</a>	1.30	0.00	10470	0	1	1	0	1	0	2018-07-22
RU-ALT	<a href="#">Алтайский край</a>	79835	<a href="#">7.35</a>	<a href="#">17.29</a>	1.94	0.00	109671	97	2	0	0	3	0	2018-07-22
RU-BEL	<a href="#">Белгородская обл.</a>	55814	<a href="#">0.30</a>	<a href="#">2.11</a>	5.17	0.00	63776	69	0	0	0	2	0	2018-07-22

<https://github.com/Zkir/osm2dcm/>

# Own Server - OSM statistics

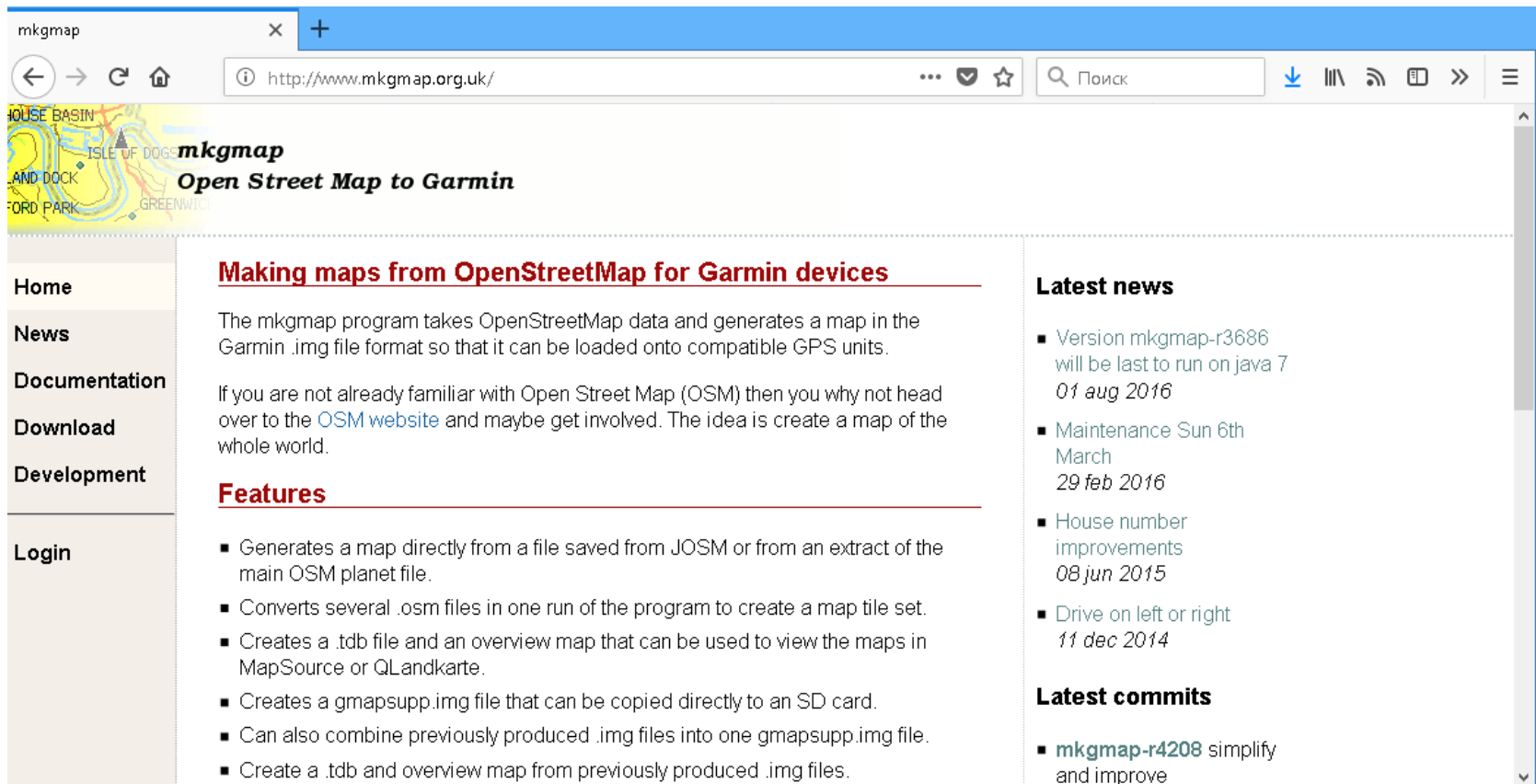
Статистика OSM Челябинская обл. X +

← → ↻ 🏠 ⓘ http://stat.latlion.org/ru/chel/latest/users.html 🔍 Поиск ⬇️ 📶 📅 ⏪ ⏩ ☰

Пользователь	Узлы	Линии	Отношения	%	Скорость [об-в/день]	Первая известная правка	Последняя известная правка	Ссылки
<a href="#">Jz White</a>	960879	57568	216	10.561	957.895	2015-07-26T13:14:44Z	2018-06-22T16:19:02Z	<a href="#">Расчетное положение</a>
<a href="#">Shoorick</a>	734628	55367	1010	8.807	234.160	2009-03-24T22:20:07Z	2018-06-04T12:06:16Z	<a href="#">Расчетное положение</a>
<a href="#">GPMapper</a>	620723	126985	208	12.615	355.221	2012-09-17T12:54:01Z	2018-06-23T18:20:22Z	<a href="#">Расчетное положение</a>
<a href="#">Silver87</a>	583452	19361	81	5.407	209.530	2010-08-07T14:58:35Z	2018-06-16T14:13:00Z	<a href="#">Расчетное положение</a>
<a href="#">PaulKaz</a>	563109	43389	627	6.812	182.912	2009-05-22T18:43:37Z	2018-06-18T18:19:26Z	<a href="#">Расчетное положение</a>
<a href="#">Sadless74</a>	427242	70473	25	7.591	143.457	2008-12-23T09:07:28Z	2018-06-23T01:54:16Z	<a href="#">Расчетное положение</a>
<a href="#">besgeo</a>	182427	22372	115	2.743	144.375	2014-08-04T17:05:42Z	2018-06-22T10:54:34Z	<a href="#">Расчетное положение</a>
<a href="#">OlegV</a>	173089	35027	44	3.493	92.296	2012-04-20T16:35:45Z	2015-02-15T09:41:08Z	<a href="#">Расчетное положение</a>
<a href="#">Alexey Sirotkin</a>	165187	11747	70	1.935	52.359	2009-03-22T09:16:30Z	2018-06-17T15:21:00Z	<a href="#">Расчетное положение</a>

<https://github.com/shurshur/osmstat/>

# Own Server - Converters



The screenshot shows a web browser window with the URL <http://www.mkgmap.org.uk/>. The page title is "mkgmap Open Street Map to Garmin". A navigation sidebar on the left includes links for Home, News, Documentation, Download, Development, and Login. The main content area features a section titled "Making maps from OpenStreetMap for Garmin devices" with an introductory paragraph and a "Features" list. To the right, there are sections for "Latest news" and "Latest commits", each with a list of recent updates.

**Home**  
**News**  
**Documentation**  
**Download**  
**Development**  
**Login**

## Making maps from OpenStreetMap for Garmin devices

The mkgmap program takes OpenStreetMap data and generates a map in the Garmin .img file format so that it can be loaded onto compatible GPS units.

If you are not already familiar with Open Street Map (OSM) then you why not head over to the [OSM website](#) and maybe get involved. The idea is create a map of the whole world.

### Features

- Generates a map directly from a file saved from JOSM or from an extract of the main OSM planet file.
- Converts several .osm files in one run of the program to create a map tile set.
- Creates a .tdb file and an overview map that can be used to view the maps in MapSource or QLandkarte.
- Creates a gmapsupp.img file that can be copied directly to an SD card.
- Can also combine previously produced .img files into one gmapsupp.img file.
- Create a .tdb and overview map from previously produced .img files.

### **Latest news**

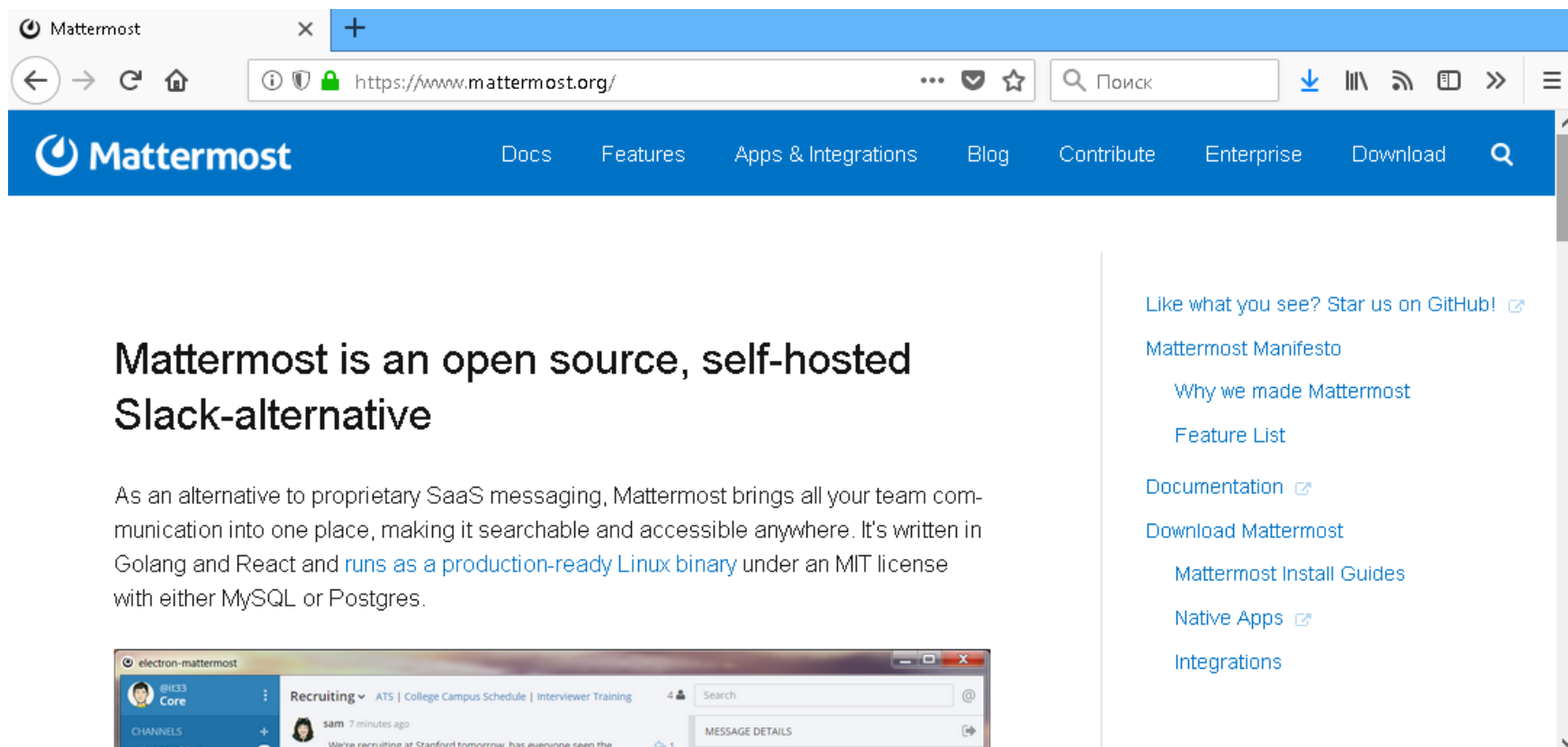
- Version mkgmap-r3686 will be last to run on java 7  
*01 aug 2016*
- Maintenance Sun 6th March  
*29 feb 2016*
- House number improvements  
*08 jun 2015*
- Drive on left or right  
*11 dec 2014*

### **Latest commits**

- **mkgmap-r4208** simplify and improve

<https://github.com/Aikhjarto/osm2garmin>

# Own Server - Communication



The screenshot shows the Mattermost website homepage in a browser. The browser's address bar displays <https://www.mattermost.org/>. The website's navigation bar includes the Mattermost logo and links for Docs, Features, Apps & Integrations, Blog, Contribute, Enterprise, and Download. The main content area features the heading "Mattermost is an open source, self-hosted Slack-alternative" and a paragraph describing it as an alternative to proprietary SaaS messaging. A sidebar on the right contains links such as "Like what you see? Star us on GitHub!", "Mattermost Manifesto", "Why we made Mattermost", "Feature List", "Documentation", "Download Mattermost", "Mattermost Install Guides", "Native Apps", and "Integrations". At the bottom of the screenshot, a window titled "electron-mattermost" shows a chat interface with a channel named "Recruiting" and a message from "sam" 7 minutes ago.

Mattermost is an open source, self-hosted Slack-alternative

As an alternative to proprietary SaaS messaging, Mattermost brings all your team communication into one place, making it searchable and accessible anywhere. It's written in Golang and React and [runs as a production-ready Linux binary](#) under an MIT license with either MySQL or Postgres.

[Like what you see? Star us on GitHub!](#)

[Mattermost Manifesto](#)

[Why we made Mattermost](#)

[Feature List](#)

[Documentation](#)

[Download Mattermost](#)

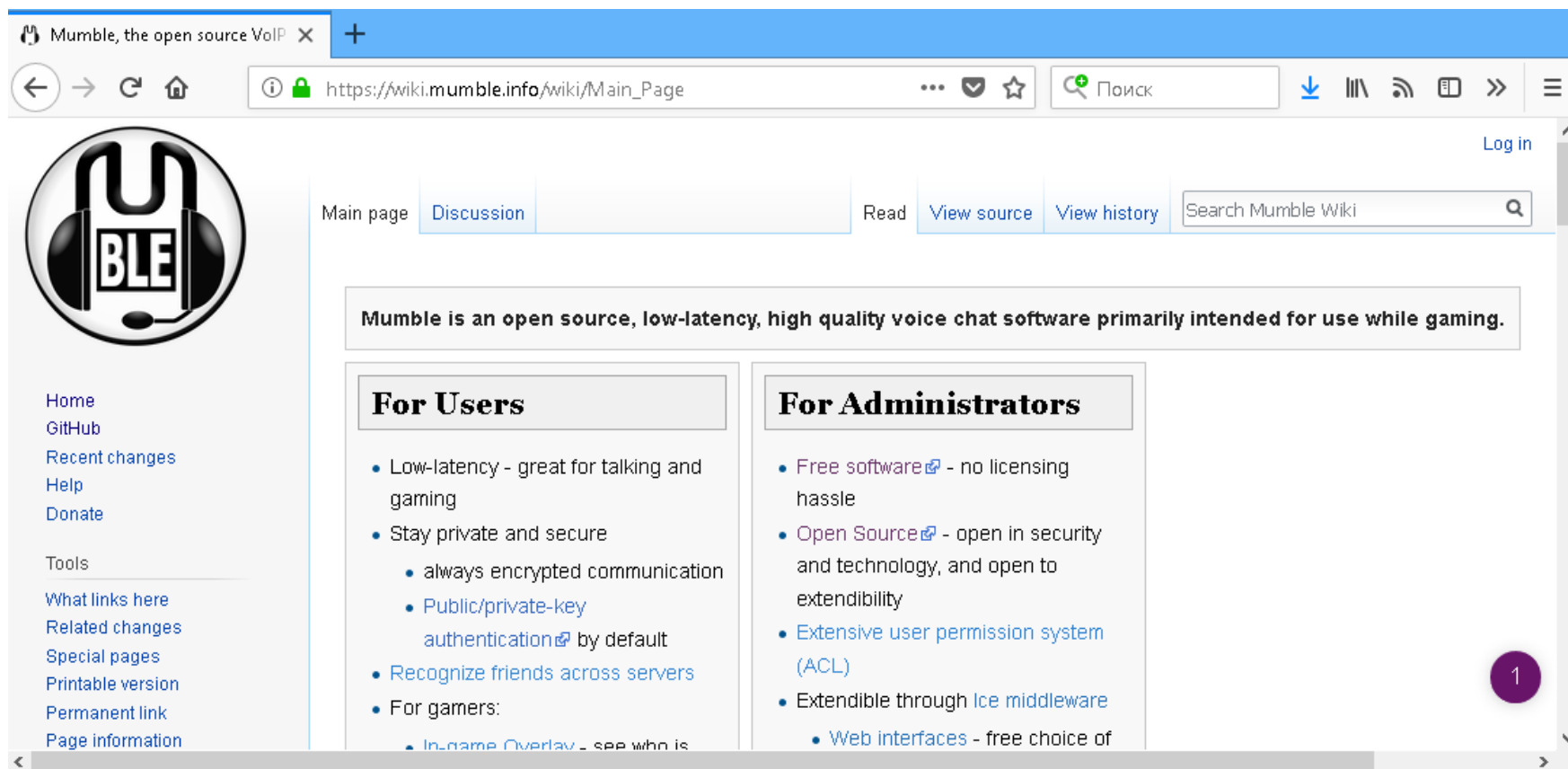
[Mattermost Install Guides](#)

[Native Apps](#)

[Integrations](#)

<https://www.mattermost.org/>

# Own Server - Communication



The screenshot shows a web browser displaying the Mumble Wiki Main Page. The browser's address bar shows the URL [https://wiki.mumble.info/wiki/Main\\_Page](https://wiki.mumble.info/wiki/Main_Page). The page features a navigation menu with options like 'Main page', 'Discussion', 'Read', 'View source', and 'View history'. A search bar is also present. The main content area includes a description of Mumble as an open source, low-latency, high quality voice chat software. Below this, there are two columns: 'For Users' and 'For Administrators', each containing a list of features and benefits.

Mumble, the open source VoIP

https://wiki.mumble.info/wiki/Main\_Page

Log in

Main page Discussion Read View source View history Search Mumble Wiki

**Mumble is an open source, low-latency, high quality voice chat software primarily intended for use while gaming.**

**For Users**

- Low-latency - great for talking and gaming
- Stay private and secure
  - always encrypted communication
  - Public/private-key authentication by default
- Recognize friends across servers
- For gamers:
  - In-game Overlay - see who is

**For Administrators**

- Free software - no licensing hassle
- Open Source - open in security and technology, and open to extensibility
- Extensive user permission system (ACL)
- Extendible through Ice middleware
  - Web interfaces - free choice of

<https://wiki.mumble.info>



# Thank you!

<https://www.osm.org/user/Sadless74>

**Timofey Subbotin**

State of the Map 2018, Milan, Italy