

# Черновики

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# Настройка GeoRitm с сертификатами Let's Encrypt

## Настройка Payara

Авторизуйтесь в интерфейсе Payara - в браузере введите адрес вашей ВМ, порт 4848, логин/пароль admin/masterkey

Изменение настроек ресурсов:

Resources->JNDI->Custom Resources->rrconf:

ru.ritm.georitm.protocol https

ru.ritm.georitm.port 443

ru.ritm.georitm.admin.port 443

Resources->JNDI->Custom Resources->idpconf:

ru.ritm.idp.port 443

ru.ritm.idp.protocol https

Изменение настроек сервисов:

Configurations->server-config->HTTP Service->Http Listeners->http-listener-1

Port вместо 80 укажите 8088

Перезапустите Payara.

## Настройка репозитариев yum

```
# nano /etc/yum.repos.d/public-yum-ol7.repo
```

```
[ol7_developer_EPEL]
```

```
name=Oracle Linux $releasever Development Packages ($basearch)
```

```
baseurl=https://yum.oracle.com/repo/OracleLinux/OL7/developer_EPEL/$basearch/
```

```
gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-oracle
```

```
gpgcheck=1
```

```
# enabled=0
```

```
enabled=1
```

```
[ol7_optional_latest]
```

```
name=Oracle Linux $releasever Optional Latest ($basearch)
```

```
baseurl=https://yum.oracle.com/repo/OracleLinux/OL7/optional/latest/$basearch/
```

```
gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-oracle
```

```
gpgcheck=1
```

```
# enabled=0
```

```
enabled=1
```

```
[ol7_addons]
```

```
name=Oracle Linux $releasever Add ons ($basearch)
```

```
baseurl=https://yum.oracle.com/repo/OracleLinux/OL7/addons/$basearch/
```

```
gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-oracle
```

```
gpgcheck=1
```

```
#enabled=0
```

```
enabled=1
```

## Установка nginx

```
# yum install nginx -y
```

```
# systemctl enable nginx
```

```
# systemctl start nginx
```

## Настройка конфигурации nginx

```
# nano /etc/nginx/conf.d/georitmse.conf
```

```
server {  
    listen    80;  
    server_name georitm.domain.ru;  
  
    location / {  
        return 301 https://$server_name$request_uri;  
    }  
}  
  
server {  
    listen    443 ssl http2;  
    server_name georitm.domain.ru;  
  
    error_log /var/log/nginx/error.log;  
    access_log /var/log/nginx/access.log;
```

```
#ssl on;

ssl_certificate /etc/letsencrypt/live/georitm.evolvex.ru/fullchain.pem; # managed by Certbot
ssl_certificate_key /etc/letsencrypt/live/georitm.evolvex.ru/privkey.pem; # managed by Certbot
```

```
ssl_protocols TLSv1.1 TLSv1.2 TLSv1.3;
ssl_ciphers HIGH:!aNULL:!eNULL:!EXPORT:!CAMELLIA:!DES:!MD5:!PSK:!RC4;
ssl_prefer_server_ciphers on;
```

```
proxy_set_header Host $host;
proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
proxy_set_header X-Real-IP $remote_addr;
proxy_http_version 1.1;
```

```
location /restapi/socket/ {
    proxy_set_header Upgrade $http_upgrade;
    proxy_set_header Connection "upgrade";
    proxy_pass http://127.0.0.1:8088/restapi/socket/;
    proxy_redirect default;
    proxy_read_timeout 1d;
}
```

## web-socket for idp shell to IDP

```
location /idp-web/socket/shell {
    proxy_set_header Host $host;
    proxy_http_version 1.1;
    proxy_set_header Upgrade $http_upgrade;
    proxy_set_header Connection "upgrade";
    proxy_pass http://127.0.0.1:8088/idp-web/socket/shell;
    proxy_redirect default;
    proxy_read_timeout 1d;
}
```

## web-socket for idp json to IDP

```
location /idp-web/socket/shell/json {
    proxy_set_header Host $host;
    proxy_http_version 1.1;
    proxy_set_header Upgrade $http_upgrade;
    proxy_set_header Connection "upgrade";
    proxy_pass http://127.0.0.1:8088/idp-web/socket/shell/json;
```

```
    proxy_redirect default;
    proxy_read_timeout 1d;
}

location / {
    proxy_set_header    Connection "";
    proxy_pass          http://127.0.0.1:8088/;
    proxy_redirect      default;
}
}
```

## Настройка сетевых интерфейсов

```
# nano /etc/sysconfig/network-scripts/ifcfg-Ethernet_connection_1
```

```
TYPE=Ethernet
PROXY_METHOD=none
BROWSER_ONLY=no
#BOOTPROTO=dhcp
BOOTPROTO=none
DEFROUTE=yes
IPV4_FAILURE_FATAL=yes
IPV6INIT=no
NAME="Ethernet connection 1"
UUID=20acfc15-6011-4753-92ff-1377199e4177
ONBOOT=yes
DNS1=8.8.8.8
DNS2=77.88.8.8
IPADDR=91.223.18.7
NETMASK=255.255.255.240
GATEWAY=91.223.18.1
```

## Установка certbot

```
# yum install python2-certbot-nginx
# certbot --nginx -d georitm.domain.ru
```

## Настройка crontab

```
0 0 * * * root certbot renew --post-hook "systemctl reload nginx"
```