





# v1.19\_NGW



- - - /
    - /etc/eltex-ngw/application.conf
    - /etc/eltex-ngw/gateway.d/
    - /etc/default/eltex-ngw
  - - - email

SMS-, Call- , Wi-Fi.

```
apt-get install eltex-ngw
```

/

	systemctl status eltex-ngw	<div><div> Active: active (running)</div><div>C</div><div> Active: failed</div></div>
	systemctl start eltex-ngw	<div><div> Active: active (running)</div></div>
	systemctl stop eltex-ngw	<div><div> Active: failed</div></div>

	systemctl restart eltex-ngw	<div> Active: active (running)</div>
	eltex-ngw create-db-user	<div><div></div><div>Creating database user "javauser" Enter your mysql administrator login (default is 'root'): Enter your mysql administrator password (root): Enter password: Database user created</div></div>
	eltex-ngw remove-db	

- ANSWER\_SOFTWLC\_LOCAL "1", . :

eltex-ngw create-db-user

/etc/eltex-ngw/application.conf

. " " " " .

/etc/eltex-ngw/application.conf

```
// Server configuration
server {
    port = 8040 # , eltex-ngw
}

sms {
    // Incoming (user to service) sms config
    incoming.config = "smc.conf" #
    // Outgoing (service to user) sms config
    outgoing.config = "smc.conf" #
    // Sms gateway pool settings
    pool { #
        min = 1
        max = 20
        waitTimeout = 5s
    }
}

call {
    // Incoming (user to service) call config
    incoming.config = "sbc.conf" #
    // Outgoing (service to user) call config
    outgoing.config = "smg.conf" #
    // Call gateway pool settings
    pool {
        min = 1
        max = 20
    }
}
```

```

        waitTimeout = 5s
    }
}

email {
    // Outgoing (service to user) email config
    outgoing.config = "email.conf" #

    pool {
        min = 1
        max = 20
        waitTimeout = 5s
    }
}

database {
    host = localhost #
    port = 3306 #
    name = eltex_ngw #
    user = javauser #
    password = javapassword #

    pool {
        // Time to wait for a connection
        connectionTimeout = 10s

        min = 1
        max = 10
    }

    // Configure the lifetime of different tables' content #
    cleanup {
        // incoming events
        events = 365d #
        // sms
        messages = 365d # sms
        // email
        emails = 365d #
        // files
        files = 7d #
        // limit deletions by this number (0 if no limit)
        limit = 0
        // cleanup schedule cron, e.g. "0 0 3 ? * *" # cron
        // set to "-" to disable
        cron = "-" # ,
    }
}

```

## /etc/eltex-ngw/gateway.d/

- , /etc/eltex-ngw/gateway.d/ - , .

- SMS- - smsc.conf.
- Kaspi Bank - kaspib.conf ( ).
- Seven Sky - sevensky.conf.
- - zagruzka.conf.
- SMS- - SMPP - smpp.conf.
- GSM- NetPing SMS - netping.conf.
- GSM- Fargo maestro 100 - serial\_port.conf.
- - levob\_gate.conf ( ).
- - sviaz\_bank\_gate.conf ( ).
- sbc.conf - .
- smg.conf - .
- - rtk.conf ( ).

## /etc/default/eltex-ngw

### /etc/default/eltex-ngw

```
# Eltex Notification Gateway daemon parameters

# Initial size of Java heap
JAVA_INIT_HEAP=16m
# Maximum size of Java heap
JAVA_MAX_HEAP=128m

# Additional arguments to pass to java
JAVA_OPTS="-XX:+HeapDumpOnOutOfMemoryError -XX:HeapDumpPath=/var/log/eltex-ngw"
```

- , :

```
# Initial size of Java heap
JAVA_INIT_HEAP=16m
```

- , :

```
# Maximum size of Java heap
JAVA_MAX_HEAP=128m
```

- java:

```
# Additional arguments to pass to java
JAVA_OPTS="-XX:+HeapDumpOnOutOfMemoryError -XX:HeapDumpPath=/var/log/eltex-ngw"
```

## /etc/eltex-ngw/log4j2.xml

## /etc/eltex-ngw/log4j2.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<Configuration monitorInterval="600">
  <Properties>
    <Property name="baseDir">/var/log/eltex-ngw</Property>
    <Property name="maxFileSize">20 MB</Property>
    <Property name="accumulatedFileSize">100 GB</Property>
    <Property name="lastModified">4d</Property>
    <Property name="maxCount">10</Property>
    <Property name="logPattern">%d{ISO8601} [%t] %-5p %logger{12} %C{1}:%M(line:%L). %m%n</Property>

    <Property name="gelfLevel">OFF</Property>
    <Property name="gelfHost">udp:lab3-test.eltex.loc</Property>
    <Property name="gelfPort">12201</Property>
  </Properties>
  <Appenders>

    <RollingFile name="RollingFile" filename="${baseDir}/notification-gateway.log"
      filepattern="${baseDir}/notification-gateway-%i.log.gz">
      <PatternLayout pattern="${logPattern}"/>
      <Policies>
        <SizeBasedTriggeringPolicy size="${maxFileSize}"/>
        <OnStartupTriggeringPolicy/>
      </Policies>
      <!-- - . - 20 . -->
      <DefaultRolloverStrategy max="3">
        <Delete basePath="${baseDir}" maxDepth="1">
          <IfFileName glob="notification-gateway-*.log.gz">
            <IfLastModified age="${lastModified}"/>
            <IfAny>
              <IfAccumulatedFileSize exceeds="${accumulatedFileSize}"/>
              <IfAccumulatedFileCount exceeds="${maxCount}"/>
            </IfAny>
          </IfFileName>
        </Delete>
      </DefaultRolloverStrategy>
    </RollingFile>
    <Gelf name="Gelf" host="${gelfHost}" port="${gelfPort}" version="1.1" facility="notification-gateway"
      extractStackTrace="true" originHost="%host{fqdn}" maximumMessageSize="8192">
      <Field name="thread" pattern="%t"/>
      <Field name="level" pattern="%level"/>
      <Field name="severity" pattern="%-5level"/>
      <Field name="logger" pattern="%logger{12}"/>
      <Field name="location" pattern="%C{1}:%M(line:%L)"/>
    </Gelf>
  </Appenders>
  <Loggers>
    <Root level="ERROR">
      <AppenderRef ref="RollingFile"/>
      <AppenderRef ref="Gelf" level="${gelfLevel}"/>
    </Root>
    <Logger name="org.eclipse.jetty" level="WARN"/>
    <Logger name="org.mongodb" level="ERROR"/>
    <Logger name="org.jsmpp" level="ERROR"/>
    <Logger name="org.springframework" level="ERROR"/>
    <logger name="jndi" level="OFF"/>

    <!--log4j configuration logger-->
    <Logger name="EventLogger" additivity="false" level="ERROR">
      <AppenderRef ref="console"/>
    </Logger>
  </Loggers>
</Configuration>
```

```
<Configuration monitorInterval="600">
```

- :

```
<Property name="baseDir">/var/log/eltex-ngw</Property>
```

- ( . ):

```
<Property name="maxFileSize">20 MB</Property>
```

- ( + ). :

```
<Property name="accumulatedFileSize">100 GB</Property>
```

- , :

```
<Property name="lastModified">4d</Property>
```

- , :

```
<Property name="maxCount">10</Property>
```

- Graylog ( , ):

```
<Property name="gelfLevel">OFF</Property>  
<Property name="gelfHost">udp:lab3-test.eltex.loc</Property>  
<Property name="gelfPort">12201</Property>
```

- :

```
<Root level="ERROR">
```

docker-. docker-compose.yml

#### docker-compose.yml

```
version: "2.4"  
  
volumes:  
  softwlc_logs:  
    driver: local  
services:  
  ngw:  
    container_name: ngw  
    image: hub.eltex-co.ru/softwlc/eltex-ngw:1.19-<tag>  
    network_mode: host  
    ports:  
      - 1814:1814  
      - 8040:8040  
    volumes:  
      - "/etc/eltex-ngw:/etc/eltex-ngw"
```



<tag> , .

- , deb-.

. .env docker-compose.yml, . "environment" . , , .

## .env

```
NGW_PORT=8040

NGW_SMS_INCOMING_CONF=smssc.conf
NGW_SMS_OUTGOING_CONF=smssc.conf

NGW_CALL_INCOMING_CONF=
NGW_CALL_OUTGOING_CONF=

NGW_EMAIL_OUTGOING_CONF=

NGW_DB_HOST=<IP-address>
NGW_DB_PORT=3306
NGW_DB_NAME=eltex_ngw
NGW_DB_USER=javauser
NGW_DB_PASSWORD=javapassword

NGW_DB_POOL_CONNECTION_TIMEOUT=10s
NGW_DB_POOL_MIN_IDLE=1
NGW_DB_POOL_SIZE=10

NGW_DB_CLEANUP_EVENTS=365d
NGW_DB_CLEANUP_MESSAGES=365d
NGW_DB_CLEANUP_EMAILS=365d
NGW_DB_CLEANUP_FILES=7d
NGW_DB_CLEANUP_LIMIT=0
NGW_DB_CLEANUP_CRON=-
```

- **NGW\_PORT** - Grpc , .
- **JAVA\_INIT\_HEAP** - Xms JVM .
- **JAVA\_MAX\_HEAP** - Xmx JVM .
- **JAVA\_OPTS** - JVM ( ).

## SMS

- **NGW\_SMS\_INCOMING\_CONF** - SMS ( ).
- **NGW\_SMS\_OUTGOING\_CONF** - SMS ( ).
- **sms.pool.waitTimeout** - .
- **sms.pool.min** - idle .
- **sms.pool.max** - .

- **NGW\_CALL\_INCOMING\_CONF** - ( ).
- **NGW\_CALL\_OUTGOING\_CONF** - ( ).
- **call.pool.waitTimeout** - .
- **call.pool.min** - idle .
- **call.pool.max** - .

## email

- **NGW\_EMAIL\_OUTGOING\_CONF** - .
- **email.pool.waitTimeout** - .
- **email.pool.min** - idle .
- **email.pool.max** - .

- NGW\_DB\_HOST - .
- NGW\_DB\_PORT - .
- NGW\_DB\_NAME - .
- NGW\_DB\_USER - .
- NGW\_DB\_PASSWORD - .
- NGW\_DB\_POOL\_CONNECTION\_TIMEOUT - .
- NGW\_DB\_POOL\_MIN\_IDLE - idle .
- NGW\_DB\_POOL\_SIZE - .
- NGW\_DB\_CLEANUP\_EVENTS - .
- NGW\_DB\_CLEANUP\_MESSAGES - .
- NGW\_DB\_CLEANUP\_EMAILS - email .
- NGW\_DB\_CLEANUP\_FILES - , email, .
- NGW\_DB\_CLEANUP\_LIMIT - .
- NGW\_DB\_CLEANUP\_CRON - cron.