

v1.19_NGW

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- - /
 - /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	 Active: active (running) C  Active: failed
	systemctl start eltex-ngw	 Active: active (running)
	systemctl stop eltex-ngw	 Active: failed

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

```
<?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=smsc.conf
NGW_SMS_OUTGOING_CONF=smsc.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.