

v1.20_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	<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	
	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
    // number of threads in executor that executes handlers and different gateways
    threads = 50
}

http {
    // Timeout of http connection to the end gateway
    connectionTimeout = 30s
    // Number of maximum simultaneous http connections
    maxConnections = 50
    // Time that connection will be kept alive
    keepAliveTimeout = 5s
    // Whether to check SSL certificate
    checkCert = true
    // HTTP User Agent
    userAgent = eltex-ngw
}

sms {
    // Incoming (user to service) sms config
    incoming.config = "smcsc.conf" #
    // Outgoing (service to user) sms config
    outgoing.config = "smcsc.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
    }

    migrate = true

    jdbc {
        driverClass = com.mysql.cj.jdbc.Driver
        url = "jdbc:mysql://${database.host}:${database.port}/${database.name}"

        properties {
            max_allowed_packet = 32362048
            useUnicode = true
            characterEncoding = utf8
        }
    }

    #

    // 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_gate.conf.
- Kaspi Bank - kaspib_gate.conf ().
- Seven Sky - 7sky_gate.conf.
- - zagruzka_gate.conf.
- SMS - SMPP - smpp_gate.conf.
- GSM- NetPing SMS - netping_gate.conf.
- GSM- Fargo maestro 100 - serial_port.conf.
- - levob_gate.conf ().
- - sviaz_bank_gate.conf ().
- rtk_sbc.conf - .
- smg_gate.conf - .
- - rtk_gate.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"
```

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```
# 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">
```

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```
<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:1.20-<tag>
    network_mode: host
    ports:
      - 1814:1814
      - 8040:8040
    volumes:
      - "/etc/eltex-ngw:/etc/eltex-ngw"
      - "/var/log/eltex-ngw:/var/log/eltex-ngw"
      - "/etc/timezone:/etc/timezone:ro"
      - "/etc/localtime:/etc/localtime:ro"
    environment:
      - server.port=${NGW_PORT}
      #- sms.incoming.config=${NGW_SMS_INCOMING_CONF}
      #- sms.outgoing.config=${NGW_SMS_OUTGOING_CONF}
      #- call.incoming.config=${NGW_CALL_INCOMING_CONF}
      #- call.outgoing.config=${NGW_CALL_OUTGOING_CONF}
      - email.outgoing.config=${NGW_EMAIL_OUTGOING_CONF}
      - database.host=${NGW_DB_HOST}
      - database.port=${NGW_DB_PORT}
      - database.name=${NGW_DB_NAME}
      - database.user=${NGW_DB_USER}
      - database.password=${NGW_DB_PASSWORD}
      - database.pool.connectionTimeout=${NGW_DB_POOL_CONNECTION_TIMEOUT}
      - database.pool.min=${NGW_DB_POOL_MIN_IDLE}
      - database.pool.max=${NGW_DB_POOL_SIZE}
      - database.cleanup.events=${NGW_DB_CLEANUP_EVENTS}
      - database.cleanup.messages=${NGW_DB_CLEANUP_MESSAGES}
      - database.cleanup.emails=${NGW_DB_CLEANUP_EMAILS}
      - database.cleanup.files=${NGW_DB_CLEANUP_FILES}
      - database.cleanup.limit=${NGW_DB_CLEANUP_LIMIT}
      - database.cleanup.cron=${NGW_DB_CLEANUP_CRON}
```



<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=0 0 9 * * *
```

- **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.