

# v1.19\_Logging

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- - /
- - /etc/eltex-logging-service/application.conf
  - /etc/eltex-logging-service/log4j2.xml
  - /etc/default/eltex-logging-service
- -





( eltex-mercury).


gRPC API.

Logging-service    wifi-customer-cab    eventlog ( GUI   " " - " ").

```
apt-get install eltex-logging-service
```

/

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

	service eltex-logging-service restart	<div> Active: active (running)</div>
--	---------------------------------------	---

/etc/eltex-logging-service/application.conf

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```
server {
  port = 9099
}

eventlog {
  enabled = true
}

sorm {
  enabled = false
  dir = /var/log/eltex-logging-service/sorm3/
}

database {
  uri = "mongodb://localhost:27017/wifi-customer-cab"
  poolSize = 5
  timeout = 5s
}
```

• , :

```
server {
  port = 9099
}
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• eventlog:

```
eventlog {
  enabled = true
}
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• :

```
sorm {
  enabled = false
  dir = /var/log/eltex-logging-service/sorm3/
}
```

:

```
database {  
  uri = "mongodb://localhost:27017/wifi-customer-cab"  
  poolSize = 5  
  timeout = 5s  
}
```

/etc/eltex-logging-service/log4j2.xml

.

## /etc/eltex-logging-service/log4j2.xml

```
<?xml version="1.0" encoding="UTF-8"?>

<Configuration monitorInterval="600">
    <Properties>
        <Property name="rootLevel">${env:LOG_LEVEL:-ERROR}</Property>

        <Property name="baseDir">/var/log/eltex-logging-service</Property>
        <Property name="maxFileSize">20 MB</Property>
        <Property name="accumulatedFileSize">10 GB</Property>
        <Property name="lastModified">4d</Property>
        <Property name="maxCount">20</Property>
        <Property name="logPattern">%d{ISO8601} [%t] %-5p %logger{12} %C{1}.%M(line:%L). %m%n</Property>

        <Property name="gelfLevel">${env:GELF_LEVEL:-OFF}</Property>
        <Property name="gelfHost">${env:GELF_HOST:-udp:lab3-test.eltex.loc}</Property>
        <Property name="gelfPort">${env:GELF_PORT:-12201}</Property>
    </Properties>
    <Appenders>

        <Console name="Console">
            <PatternLayout pattern="${logPattern}" />
        </Console>

        <RollingFile name="RollingFile"
            fileName="${baseDir}/logging-service.log"
            filePattern="${baseDir}/log/logging-service-%i.log.gz">
            <PatternLayout pattern="${logPattern}" />
            <Policies>
                <SizeBasedTriggeringPolicy size="${maxFileSize}" />
            </Policies>
            <DefaultRolloverStrategy max="${maxCount}">
                <Delete basePath="${baseDir}" maxDepth="3">
                    <IfFileName glob="*/logging-service-*.log.gz">
                        <IfAny>
                            <IfAccumulatedFileSize exceeds="${accumulatedFileSize}" />
                            <IfLastModified age="${lastModified}" />
                        </IfAny>
                    </IfFileName>
                </Delete>
            </DefaultRolloverStrategy>
        </RollingFile>

        <Gelf name="Gelf" host="${gelfHost}" port="${gelfPort}" version="1.1" facility="eltex-logging-service"
            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="${rootLevel}">
            <AppenderRef ref="RollingFile" />
        </Root>

        <Logger name="org.springframework" level="ERROR" />
        <Logger name="org.hibernate" level="ERROR" />
        <Logger name="org.mongodb" level="ERROR" />
        <Logger name="io.netty" level="ERROR" />
        <Logger name="io.grpc" level="ERROR" />
    </Loggers>

</Configuration>
```

- :

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

- :

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

- ( , , ):

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

- ( + ). :

```
<Property name="accumulatedFileSize">10 GB</Property>
```

- , :

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

- , :

```
<Property name="maxCount">20</Property>
```

- Graylog ( , , ):

```
<Property name="gelfLevel">${env:GELF_LEVEL:-OFF}</Property>
<Property name="gelfHost">${env:GELF_HOST:-udp:lab3-test.eltex.loc}</Property>
<Property name="gelfPort">${env:GELF_PORT:-12201}</Property>
```

- :

```
<Root level="${rootLevel}">
```

## /etc/default/eltex-logging-service

, .

### /etc/default/eltex-logging-service

```
# Initial size of Java heap
JAVA_INIT_HEAP=4m
# Maximum size of Java heap
JAVA_MAX_HEAP=32m

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

- , :

```
JAVA_INIT_HEAP=4m
```

- , :

```
JAVA_MAX_HEAP=32m
```

• :

```
JAVA_OPTS="-XX:+HeapDumpOnOutOfMemoryError -XX:HeapDumpPath=/var/log/eltex-logging-service"
```

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

#### docker-compose.yml

```
version: "3"
services:
  eltex-logging-service:
    container_name: eltex-logging-service
    image: hub.eltex-co.ru/softwlc/eltex-logging-service:1.19-<tag>
    network_mode: host
    ports:
      - 9099:${LOGGING_SERVICE_PORT}
    environment:
      - server.port=${LOGGING_SERVICE_PORT}
      - eventlog.enabled=${LOGGING_SERVICE_EVENTLOG}
      - sorm.enabled=${LOGGING_SERVICE_SORM}
      - sorm.dir=${LOGGING_SERVICE_SORM_DIR}
      - database.uri=${LOGGING_SERVICE_DB_URI}
      - database.poolSize=${LOGGING_SERVICE_DB_POOL_SIZE}
      - database.timeout=${LOGGING_SERVICE_DB_TIMEOUT}
    volumes:
      - /etc/eltex-logging-service:/etc/eltex-logging-service/
```



<tag> , .

#### .env

```
LOGGING_SERVICE_PORT=9099
LOGGING_SERVICE_EVENTLOG=true
LOGGING_SERVICE_SORM=false
LOGGING_SERVICE_SORM_DIR=/var/log/eltex-logging-service/sorm3/
LOGGING_SERVICE_DB_URI=mongodb://localhost:27017/wifi-customer-cab
LOGGING_SERVICE_DB_POOL_SIZE=5
LOGGING_SERVICE_DB_TIMEOUT=5s
```

:

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

:

- **LOGGING\_SERVICE\_EVENTLOG** - .

SORM3:

- **LOGGING\_SERVICE\_SORM** - sorm3.
- **LOGGING\_SERVICE\_SORM\_DIR** - sorm3.

:

- **LOGGING\_SERVICE\_DB\_URI** - URI .
- **LOGGING\_SERVICE\_DB\_POOL\_SIZE** - .
- **LOGGING\_SERVICE\_DB\_TIMEOUT** -