v1.18_Polly

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  - /
-
  - /etc/eltex-polly/application.conf
  - /etc/default/eltex-polly
  - /etc/eltex-polly/log4j2.xml
-
  - nginx
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    - nginx
    - nginx
  - BRAS

Eltex Polly - hotspot- BRAS.

web-. . .

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Polly: , .

nginx, Polly.

, SoftWLC .

, SoftWLC .

nginx.

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```
apt install eltex-polly-db
```

:

```
apt install eltex-polly
```

/

	service eltex-polly status	Active: active (running) C Active: failed
	service eltex-polly start	Active: active (running)
	service eltex-polly stop	Active: failed
	service eltex-polly restart	Active: active (running)

/etc/eltex-polly/application.conf

/etc/eltex-polly/application.conf

```
access {
  secret = password
}

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

  pool {
    # Time to wait for a connection
    connectionTimeout = 10s
    # Time to wait for connection validation
    validationTimeout = 3s

    min = 1
    max = 5
  }

  cache {
    enabled = true
    expireAfterWrite = 3m
    maximumSize = 500
  }

  resources {
    readChunkSize = 256k
    writeChunkSize = 256k
  }
}

images {
  maxSize = 15MB
  cache {
    expireAfterWrite = 30s
    storagePath = /tmp/eltex-polly/cache/
  }
}
```

- :

```
access {
  secret = password
}
```

- :

```
database {
  host = localhost            IP-
  port = 3306
  name = eltex_poll
  user = javauser
  password = javapassword
...
```

- :

```
  pool {
    # Time to wait for a connection
    connectionTimeout = 10s
    # Time to wait for connection validation
    validationTimeout = 3s

    min = 1
    max = 5
  }
```

- :

```
  cache {
    enabled = true
    expireAfterWrite = 3m
    maximumSize = 500
  }
```

- :

```
  resources {
    readChunkSize = 256k
    writeChunkSize = 256k
  }
```

- :

```
images {
  maxSize = 15MB
  cache {
    expireAfterWrite = 30s
    storagePath = /tmp/eltex-polly/cache/
  }
}
```

/etc/default/eltex-polly

.

/etc/default/eltex-polly

```
# Eltex-Polly daemon parameters

# HTTP Port for use by Eltex Polly
HTTP_PORT=9089
GRPC_PORT=9088

# 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-polly"
```

- :

```
# HTTP Port for use by Eltex Polly
HTTP_PORT=9089
GRPC_PORT=9088
```

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

- , :

```
# Maximum size of Java heap
JAVA_MAX_HEAP=256m
```

- java:

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

/etc/eltex-polly/log4j2.xml

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/etc/eltex-polly/log4j2.xml

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

<Configuration monitorInterval="10">

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

        <Property name="baseDir">/var/log/eltex-polly</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="dateSuffix">%d{yyyyMMdd}</Property>

        <Property name="consoleLevel">${env:CONSOLE_LEVEL:-OFF}</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="STDERR" target="System.err">
            <PatternLayout pattern="${logPattern}"/>
        </Console>

        <RollingFile name="RollingFile"
                     fileName="${baseDir}/polly.log"
                     filePattern="${baseDir}/log/polly-%i.log.gz">
            <PatternLayout pattern="${logPattern}"/>
            <Policies>
                <SizeBasedTriggeringPolicy size="${maxFileSize}"/>
                <OnStartupTriggeringPolicy />
            </Policies>
```

```
            <DefaultRolloverStrategy max="${maxCount}">
                <Delete basePath="${baseDir}" maxDepth="3">
                    <IfFileName glob="*/polly-*.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-polly"
              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="${rootLevel}">
            <AppenderRef ref="RollingFile"/>
            <AppenderRef ref="STDERR" level="${consoleLevel}"/>
            <AppenderRef ref="Gelf" level="${gelfLevel}"/>
        </Root>

        <!--SQL logger-->
        <Logger name="org.jooq.tools.LoggerListener" level="OFF"/>

        <Logger name="org.springframework" level="ERROR"/>
        <Logger name="org.hibernate"       level="ERROR"/>
        <Logger name="com.zaxxer.hikari"   level="ERROR"/>
        <Logger name="io.netty"            level="ERROR"/>
        <Logger name="io.grpc"             level="ERROR"/>

        <!--Disabled loggers-->
        <Logger name="org.apache"          level="OFF"/>
    </Loggers>

</Configuration>
```

- :

```
<Configuration monitorInterval="10">
```

- :

```
<Property name="rootLevel">${env:LOG_LEVEL:-ERROR}</Property>
```

- :

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

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

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

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

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```
<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>
```

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nginx

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eltex-portal-constructor	9001
eltex-portal	9000
eltex-polly	9089

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eltex-portal eltex-portal-constructor , nginx location.

/etc/nginx/conf.d/softwlc.conf

```
server {
    listen 8080;
    listen [::]:8080;

    gzip off;

        proxy_cache_background_update on;
        proxy_cache_use_stale error timeout updating http_500 http_502 http_503 http_504;
    proxy_cache_revalidate on;
    proxy_cache_min_uses 2;

    client_max_body_size 25m;

    proxy_set_header Host $http_host;
    proxy_set_header X-Forwarded-Host $host;
    proxy_set_header X-Forwarded-Server $host;
    proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
    proxy_set_header X-Real-IP $remote_addr;
```

```
    # Eltex Portal section
    location ~* /eltex_portal/(gif|jpeg|jpg|png|svg|js|css|fonts)/ {
        proxy_cache eltex_cache;
        proxy_ignore_headers Cache-Control Expires;
        proxy_cache_valid any 1h;
        #  eltex portal
        proxy_pass http://127.0.0.1:9000;

    }

    location ~* /eltex_portal/(portal/download/shared/[0-9]+|img/) {
        proxy_cache eltex_cache;
        proxy_ignore_headers Cache-Control Expires;
        proxy_cache_valid 404 302 304 5m;
        proxy_cache_valid any 24h;
        #  eltex portal
        proxy_pass http://127.0.0.1:9000;
    }

    location ~* /eltex_portal/(portal/download/private|portal)/ {
        proxy_cache eltex_cache;
        proxy_ignore_headers Cache-Control Expires;
        proxy_cache_valid 404 302 304 5m;
        proxy_cache_valid any 1h;
        #  eltex portal
        proxy_pass http://127.0.0.1:9000;
    }

    location /eltex_portal/ {
        proxy_pass http://127.0.0.1:9000;
    }

    location /eltex_portal/polly {
        rewrite ^(/eltex_portal)/(.*)$ /$2 break;
        proxy_cookie_path /polly /eltex_portal/polly;
                #  eltex polly
        proxy_pass http://127.0.0.1:9089;
    }

    # Eltex Portal Constructor section
    location ~* /epadmin/(portal/download/[0-9]+|portal/download/shared/[0-9]+|font-awesome|img|js|css) {
        proxy_cache eltex_cache;
        proxy_cache_valid any 24h;
        #  eltex portal constructor
        proxy_pass http://127.0.0.1:9001;
    }

    location /epadmin {
        proxy_pass http://127.0.0.1:9001;
    }

    location /ep-demo {
        proxy_pass http://127.0.0.1:9001;
    }

    location /epadmin/polly {
        rewrite ^(/epadmin)/(.*)$ /$2 break;
        proxy_cookie_path /polly /epadmin/polly;
                #  eltex polly
        proxy_pass http://127.0.0.1:9089;
    }


    location / {
        deny all;
    }
}
```

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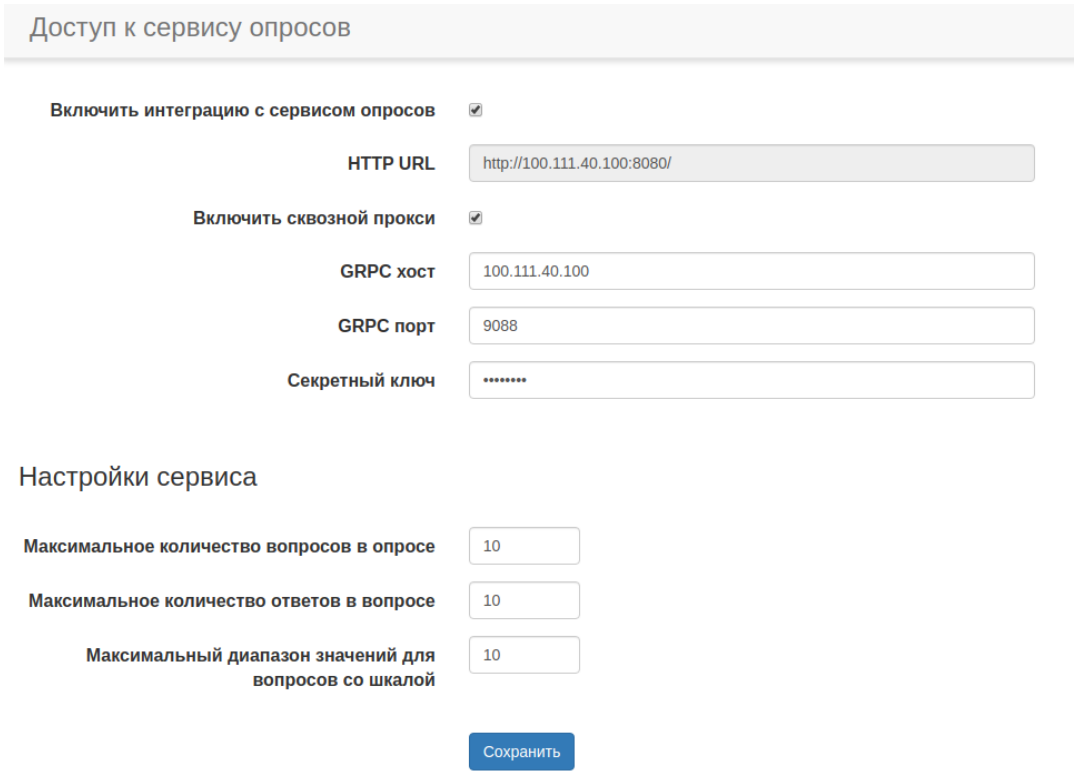

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nginx, " ". **HTTP URL** .

nginx, " ", **HTTP URL** **http://<ip_address>:<port>**, **ip_address** , eltex_polly, **port** , HTTP_PORT /etc/defaut/eltex-polly.

GRPC , eltex-polly.

GRPC , GRPC_PORT /etc/defaut/eltex-polly.

secret /etc/eltex-polly/application.conf.

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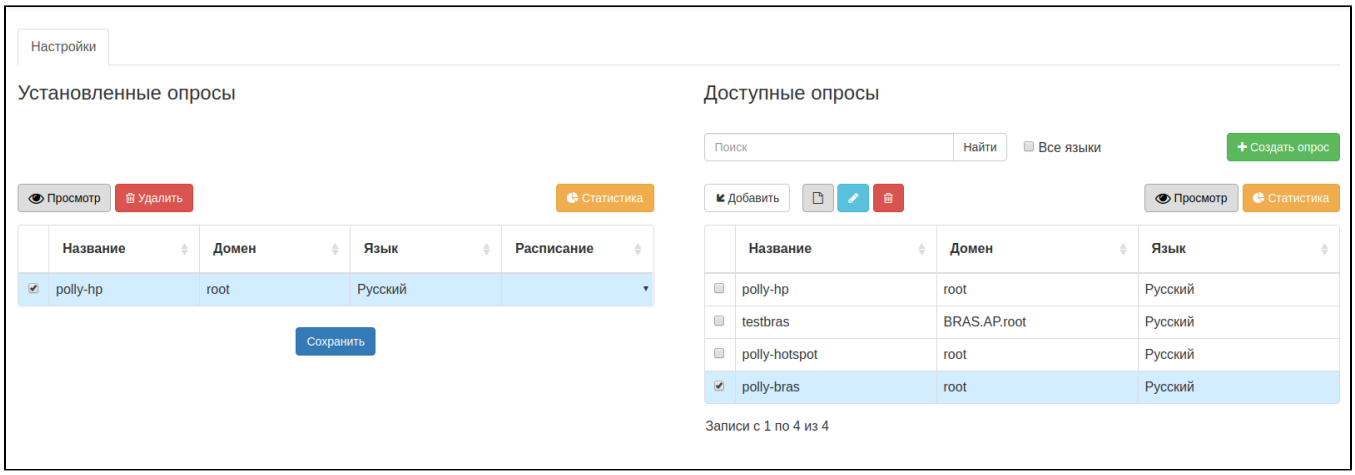

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- PNG
- JPEG
- GIF
- SVG

maxSize images.

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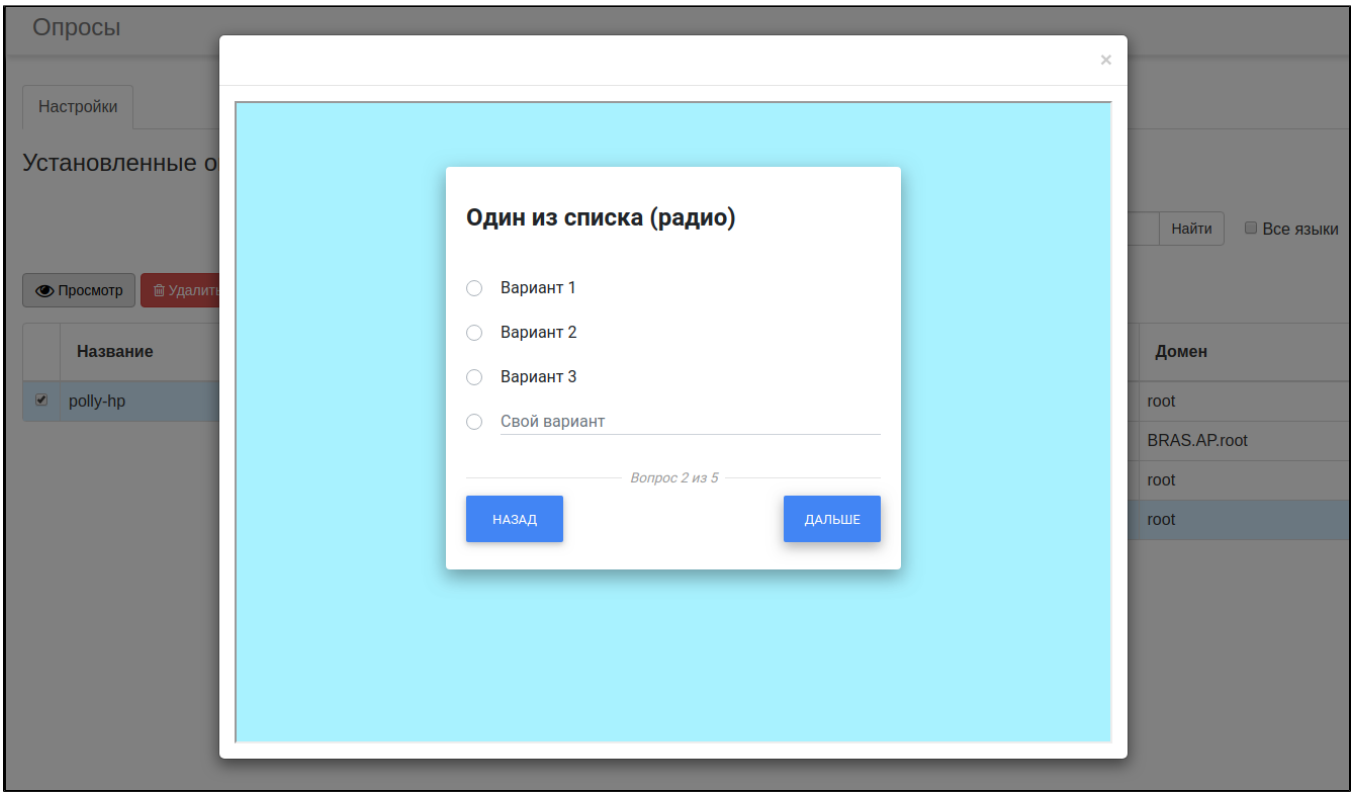
Опросы
Настройки
Установленные о
Найти
Все языки
Просмотр
Удалить
Название
Домен
polly-hp
root
BRAS.AP.root
root
root
Один из списка (радио)
Вариант 1
Вариант 2
Вариант 3
Свой вариант
Вопрос 2 из 5
НАЗАД
ДАЛЬШЕ

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Настройки
Статистика (polly-hp)
Пользователей опрошено: 22
Один из списка
Всего ответов: 22
Обновить
Сбросить
Экспорт
Вариант 1
Вариант 2
Вариант 3
Вариант 4
Вариант 5
Вариант 6
Вариант 7
1/2
Один из списка (радио)
Всего ответов: 22
Вариант 1
Вариант 2
Вариант 3
свой вариант
Ответы пользователей
Тест
Aww
Fff
Ccc
Qwerty
Загружено 5 / 5

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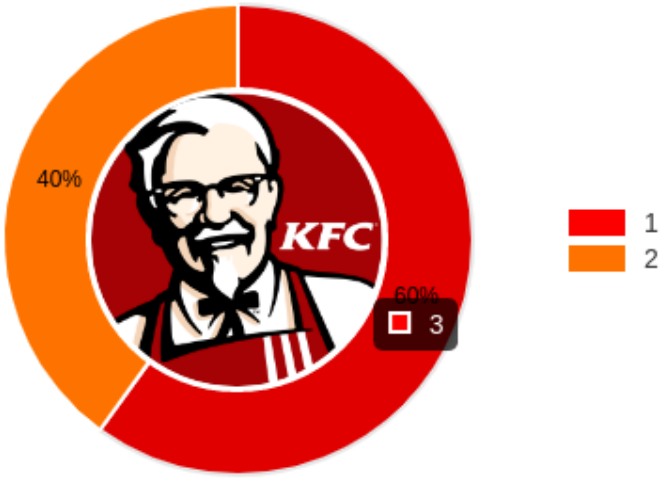
Изображение

Всего ответов: 5



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Текст

Всего ответов: 21

Текст 1
Ответ 2
Qwe
Asd
Try
Qqqqq
Ggg

Загружено 20 / 21

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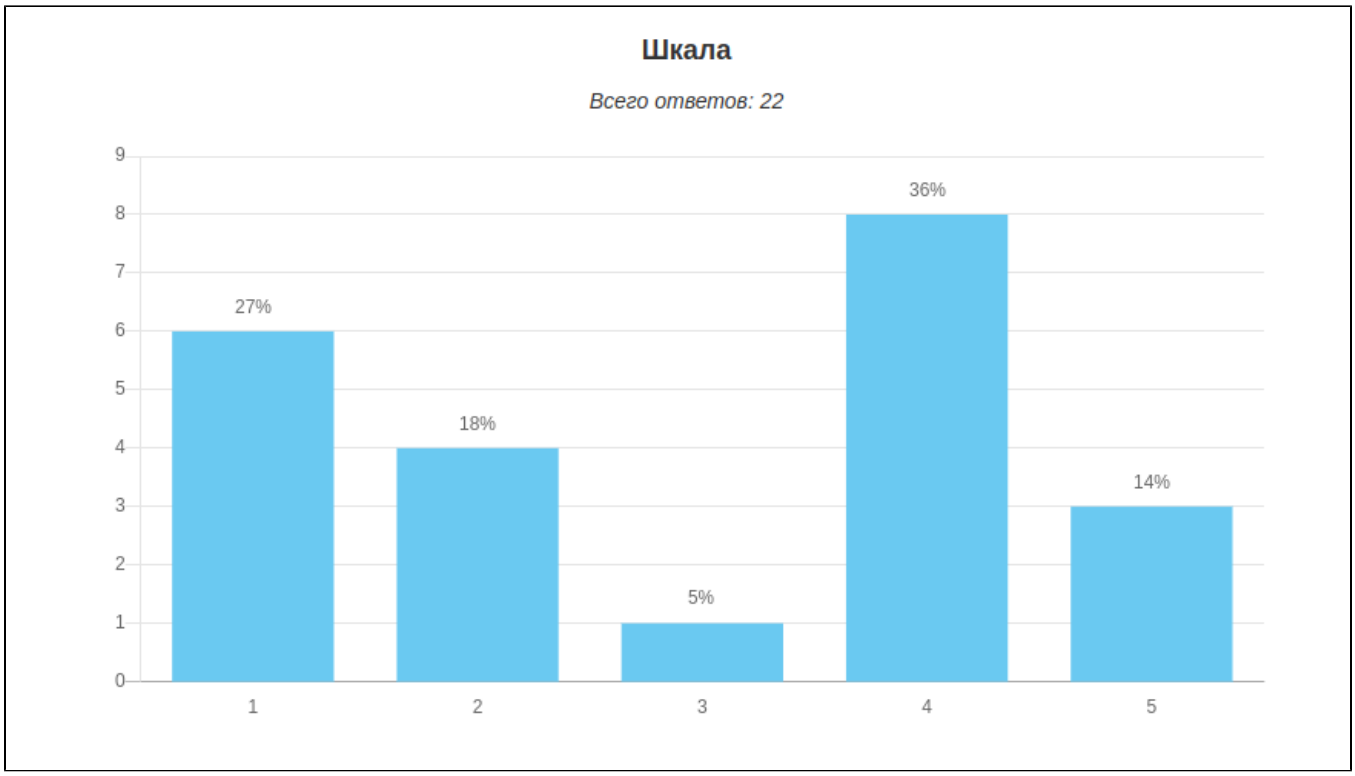

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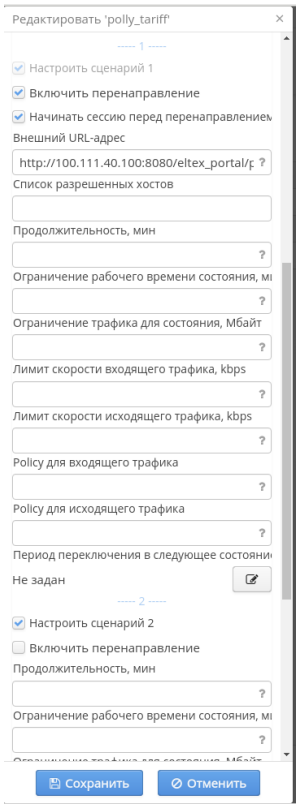
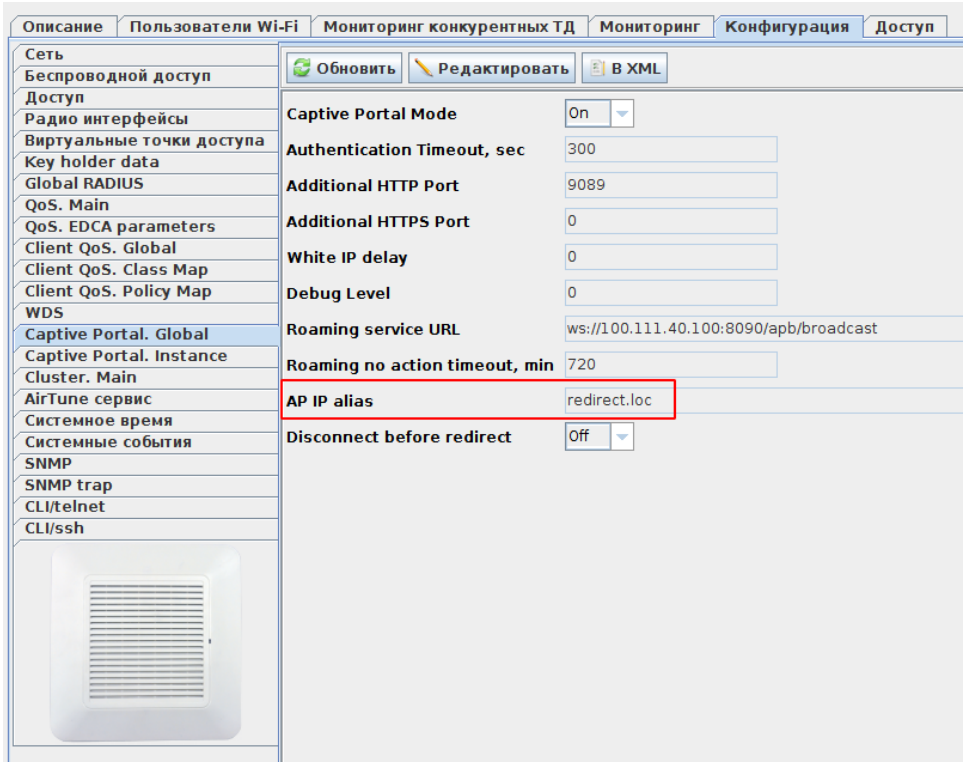


3. URL- http://<portal-ip-address>:<portal_port>/eltex_portal/poll-redirect. (, 2 1 , -).

4. , AP Alias.



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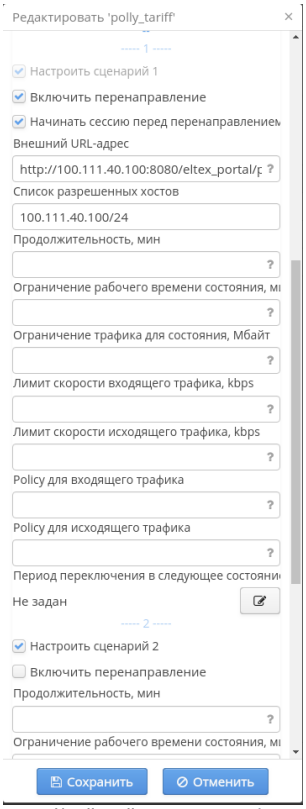
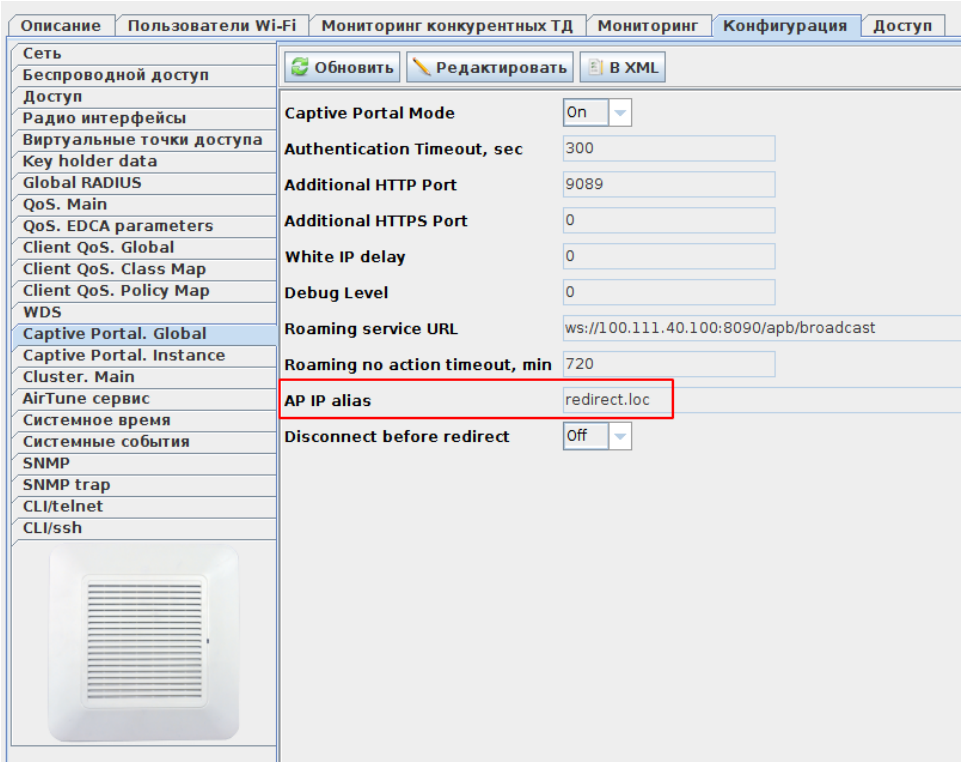


3. URL- http://<portal-ip-address>:<portal_port>/eltex_portal/poll-redirect, , eltex-polly. (, 2 1 , -).

4. , AP Alias.



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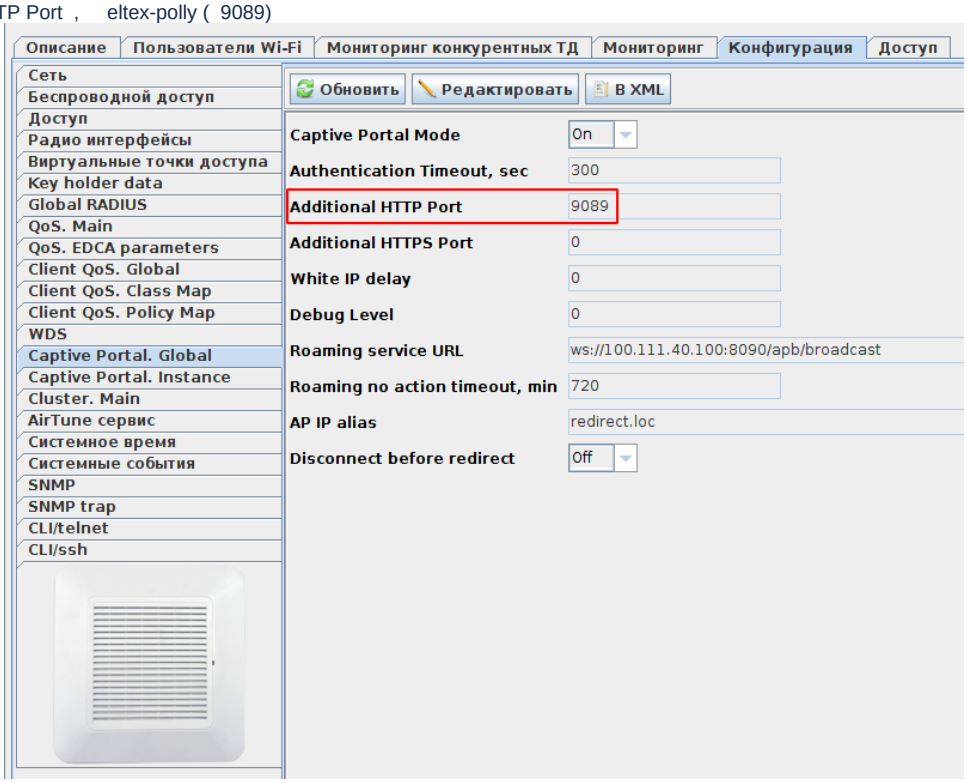
5. Additional HTTP Port , eltex-polly (9089)



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6. , eltex-polly (9089) , eltex-polly.
7. , . , , .
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BRAS

HotWiFi.

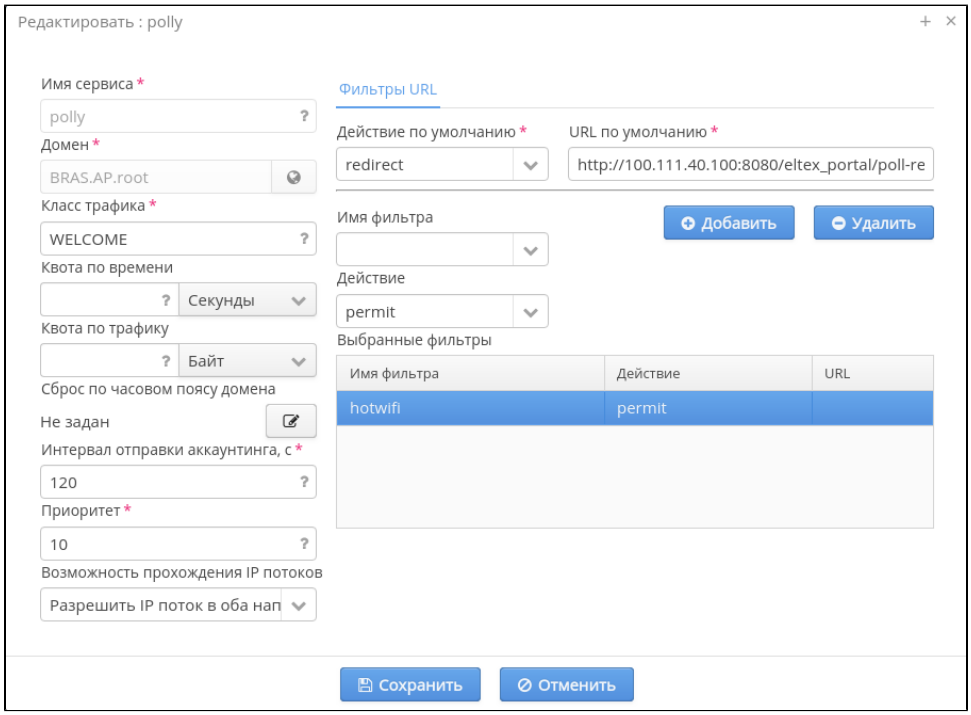
⚠ , BRAS , ESR. BRAS , .

1.
2. PCRF URL, polly.
   URL AndroidConnectivityManager. Hot-WiFi, .

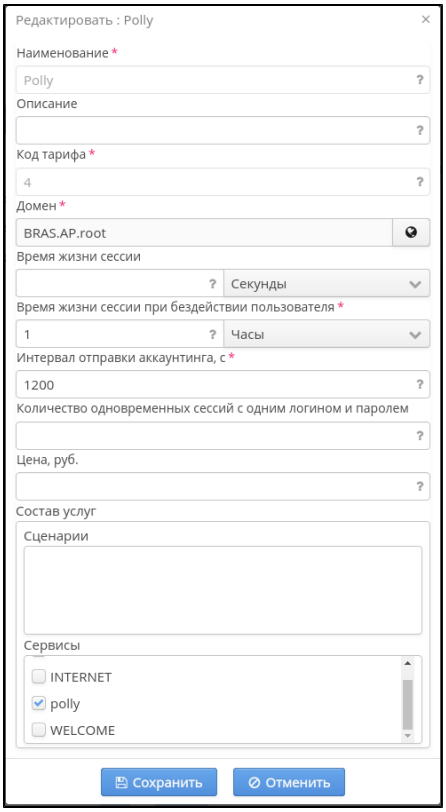
   URL:
   http://100.111.40.100:8080/eltex_portal/
   http://connectivitycheck.gstatic.com/generate_204/
   https://connectivitycheck.gstatic.com/generate_204/

3. PCRF, polly ( )
   : redirect
   URL : http://<portal-ip-address>:<portal_port>/eltex_portal/poll-redirect

   : permit
   : polly



4. , PCRF/BRAS, Polly polly



5.
6. , BRAS (,)
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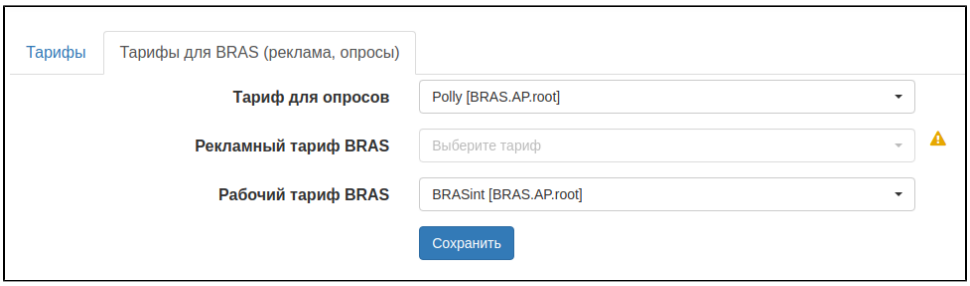
   a. : , . 4
   b. BRAS:
   c. BRAS: ,



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