

WNAM 1.6



, . Linux. , .

1. WNAM (1.3, 1.4)

WNAM 1.3 1.4 1.6 :

- MongoDB (wnam_db):

```
mongodump -o /backup/wnam14_bkp -d wnam_db
```

- WNAM :

```
service tomcat8 stop
```

- Tomcat :

```
update-rc.d tomcat8 disable
```

- FreeRADIUS , WNAM RADIUS-:

```
service freeradius stop  
update-rc.d freeradius disable
```

2. WNAM 1.6

WNAM . WNAM Tomcat. , **wnam.war**, : <https://www.netams.com/download/>. **wnam.war** -, WNAM. .

WNAM Linux- () "wnam", :

```
useradd -m -U -s /bin/false wnam
```

:

```
# https://www.netams.com/download/  
wget -O wnam.war http://www.netams.com/cgi/download.cgi?  
token=zsmehgiuwsprehmbhxjprgvlqgcunjyq  
mv wnam.war /home/wnam  
chmod 755 /home/wnam/wnam.war  
chown wnam:wnam /home/wnam/wnam.war  
  
mkdir /home/wnam/logs  
chown wnam:wnam /home/wnam/logs
```

WNAM (**wnam.war**), :

```
systemctl daemon-reload
```

- init- systemd (). -.

A. init.d ():

```
ln -s /home/wnam/wnam.war /etc/init.d/wnam
update-rc.d wnam defaults
update-rc.d wnam enable
```

systemd. **/etc/systemd/system/wnam.service** :

```
[Unit]
Description=WNAM Server

[Service]
WorkingDirectory=/home/wnam
ExecStart=/home/wnam/wnam.war
SuccessExitStatus=143
Restart=on-failure
RestartSec=10
User=wnam
Group=wnam

StandardOutput=append:/home/wnam/logs/console.log
StandardError=append:/home/wnam/logs/console.log

AmbientCapabilities=CAP_NET_BIND_SERVICE

[Install]
WantedBy=multi-user.target
```



"append:" systemd >240. "file:".

:

```
systemctl enable wnam
```

/home/wnam. , **WNAM** -, **WNAM:**

- /home/wnam/wnam.conf;
- /home/wnam/application.yaml.

(/home/wnam/wnam.conf) **WNAM.** Java-. , , -:

```
export JAVA_OPTS="-Xms512m -Xmx4g -Djava.net.preferIPv4Stack=true --add-opens
java.base/sun.security.ssl=ALL-UNNAMED"
export LOG_FOLDER="/home/wnam/logs"
export LOG_FILENAME="console.log"
```

: <http://www.netams.com/files/wnam/misc/wnam.conf>.

"-Xmx" . - 2/3 Linux-. .

(/home/wnam/application.yaml) Spring Boot Tomcat. . (:

```
server:
  forward-headers-strategy: native
  tomcat:
    remoteip:
      protocol-header: "X-Forwarded-Proto"
      remote-ip-header: "X-Forwarded-For"
    basedir: .
  accesslog.enabled: true
  port: 8080
  address: 127.0.0.1

servlet:
  session:
    timeout: 1800
```

```

spring:
  application:
    name: WNAM
  mvc:
    view:
      prefix: /WEB-INF/jsp/
      suffix: .jsp
  data:
    mongodb:
      uri: mongodb://127.0.0.1:27017/wnam_db

# for cluster configuration, use:
# uri=mongodb://app1,app2,db1,db2/wnam_db

# kafka:
# bootstrap-servers: 172.16.135.10:9092,10.241.200.123:9092,10.241.200.124:9092

#netams:
# wnam:
# cluster:
# # optional, default false. kafka
# kafka_enabled: true
# # optional default false, , wnam, true , false
# full_sync: true
# # optional, default 1 () kafka
# replicas: 3
# # optional, default true. kafka kafka
# unclean_election: true
# # optional, default empty. master, ,
# role: master
# # optional, default 'true'. . true false, wnam
# use_cache: true

```

: <https://www.netams.com/files/wnam/misc/application.yaml>. WNAM wnam.properties , - "" "".

3. WNAM

WNAM :

```
systemctl restart wnam
```

wnam.conf / application.yaml .

/home/wnam/logs wnam.log, :

```

22:03:22.924 INFO [com.netams.wnam.WNAM:48] - Starting WNAM v1.8.2398 on
debian64.k18.netams.com with PID 30757 (/home/wnam/wnam.war started by wnam in
/home/wnam)
22:03:22.927 DEBUG [com.netams.wnam.WNAM:51] - Running with Spring Boot v1.5.16.
RELEASE, Spring v4.3.19.RELEASE
22:03:22.928 INFO [com.netams.wnam.WNAM:593] - No active profile set, falling
back to default profiles: default
22:03:28.997 INFO [c.n.wnam.services.MikrotikService:42] - MikrotikService
started
22:03:29.018 INFO [com.netams.wnam.services.SmsService:286] - SmsService started
22:03:29.040 DEBUG [com.netams.wnam.services.OuiService:29] - OuiService start
22:03:29.255 DEBUG [com.netams.wnam.services.OuiService:69] - OUI cache load:
214 ms., size=24753
22:03:29.263 DEBUG [c.n.wnam.services.StatisticService:282] - Log file: /home
/wnam/logs/wnam.log
22:03:29.264 DEBUG [c.n.wnam.services.StatisticService:134] - StatisticService
start
22:03:29.266 DEBUG [c.n.wnam.services.StatisticService:138] - Session maximum
life time is 21600 seconds
22:03:29.292 DEBUG [c.netams.wnam.manager.LicenseManager:158] - LicenseManager
start
22:03:29.310 DEBUG [c.netams.wnam.manager.LicenseManager:188] - License key:
XXXX-XXXX-XXXX-XXXX
22:03:29.352 INFO [c.n.wnam.services.LinuxCPService:115] - LinuxCPService started
22:03:29.363 INFO [c.n.w.services.ControllerApiService:117] -
ControllerApiService started
22:03:29.489 DEBUG [c.n.wnam.manager.PhoneNumbersManager:212] - Phones countries
cache load: 234
22:03:29.494 INFO [c.netams.wnam.services.UnifiService:68] - UnifiService started
22:03:29.526 DEBUG [com.netams.wnam.services.SormService:92] - Parameters
'sorm_upload_path' or 'sorm_file_name' are empty
22:03:29.529 INFO [com.netams.wnam.services.SormService:137] - SORM RADIUS
targets: 0, API enabled: false
22:03:29.529 INFO [com.netams.wnam.services.SormService:117] - SormService
started
22:03:29.563 DEBUG [c.n.wnam.services.WnamCmdService:167] - WnamCmdService start
22:03:29.566 DEBUG [c.n.wnam.services.WnamRadiusService:76] - WnamRadiusService
start
22:03:29.604 DEBUG [c.n.wnam.services.WnamRadiusService:104] - RadiusService
accepting requests
22:03:29.895 INFO [c.n.wnam.services.BluesocketService:46] - BluesocketService
started
22:03:30.039 INFO [c.n.w.services.AdvertisementService:76] -
AdvertisementService started
22:03:30.056 DEBUG [c.n.wnam.services.NetFlowService:79] - NetFlowService start
22:03:30.079 DEBUG [c.n.wnam.services.WnamApiService:100] - WnamApiService start
22:03:30.309 DEBUG [c.netams.wnam.manager.LicenseManager:306] -
checkLicenseKeyOnServer key='XXXX-XXXX-XXXX-XXXX' at 06.01.2019 22:03:30
22:03:30.939 DEBUG [c.netams.wnam.manager.LicenseManager:362] -
checkLicenseKeyOnServer 1 returned license with key XXXX-XXXX-XXXX-XXXX
22:03:30.940 DEBUG [c.netams.wnam.manager.LicenseManager:207] -
checkForLicensing: valid license key XXXX-XXXX-XXXX-XXXX
22:03:31.132 DEBUG [com.netams.wnam.web.LoginController:111] - owning_logo=file:
/home/wnam/wnam.war!/images/wnam_logo_owner.png not found
22:03:32.618 INFO [com.netams.wnam.WNAM:57] - Started WNAM in 9.98 seconds (JVM
running for 10.446)
22:03:36.514 DEBUG [c.n.wnam.manager.PhoneNumbersManager:228] - Phone cache is
loaded: 84 prefixes, 1044 operators

```

, WNAM, :

- /home/wnam, root ("ls -la");
- MongoDB ("mongo");
- 8080 / 80 - ("netstat -nap | grep 80");
- 1812 / 1813 FreeRADIUS WNAM ("netstat -nap | grep 1812").

4. ADCTool

WNAM (EAP-PEAP/MSCHAPV2), (" WNAM ").

5. -

WNAM (<http://server/wnam/home>) WNAM .

WNAM

Вход

: admin, admin.



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