

Java 8


```
java -jar -Dspring.cloud.config.enabled=false -XX:+HeapDumpOnOutOfMemoryError -XX:+UseConcMarkSweepGC -XX:+UseParNewGC ./signer-service-0.9.9-b51.jar
```

Java 17

```
java -jar -XX:+HeapDumpOnOutOfMemoryError -XX:+UnlockExperimentalVMOptions -XX:+UseG1GC -XX:MaxGCPauseMillis=75 ./signer-service-2.0.0.jar
```

, , . "b51".

. Spring Boot (). , application.yaml ([YAML](#)) application.properties (Java configuration file).

	YAML	
server.port=9092	server: port: 9092	, .
spring.main.banner-mode=off	spring: main: banner-mode: "off"	"Spring Boot"
logging.file.enable=true	logging: file.enable: true	true - false - , , - true.
logging.file=signer-server.log	logging: file: signer-server.log	' .
logging.path=/var/log/cix509/signer-server	logging: path: /var/log/cix509/signer-server	, - .
logging.console.enable=true	logging: console.enable: true	true - () false - () , , - true.
logging.pattern.console=%.-0m	logging: pattern: console: "%.-0m"	 . logging.console.enable. ().
spring.cloud.config.enabled	spring: cloud: config: enabled: false	. ' "false", standalone Spring Cloud Config Server.

	YAML	
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sjwsa.workerThreadNumber=4	sjwsa: workerThreadNumber: 4	: 1-10; 4: , .																																								
sjwsa.accessTokenUptime=3600	sjwsa: accessTokenUptime: 3600	, : 10-18000; 3600: , .																																								
sjwsa.caConfigFile=ca1.properties	sjwsa: caConfigFile: ca1.properties	(TSA, OCSP, LDAP, CMP) . jar. , "jar. ca2.properties", , jar . Java configuration file . . <table><tr><td></td><td></td></tr><tr><td></td><td>jar. ca/ca-czo.properties</td></tr><tr><td></td><td>jar. ca/ca-dfs.properties</td></tr><tr><td></td><td>jar. ca/ca-dpsu.properties</td></tr><tr><td></td><td>jar. ca/ca-energy.properties</td></tr><tr><td>"MASTERKEY" "_"</td><td>ca-masterkey.properties</td></tr><tr><td></td><td>jar. ca/ca-mvs.properties</td></tr><tr><td></td><td>jar. ca/ca-myust.properties</td></tr><tr><td></td><td>jar. ca/ca-nbu.properties</td></tr><tr><td>""</td><td>jar. ca/ca-privat.properties</td></tr><tr><td></td><td>jar. ca/ca-test-cipher. properties</td></tr><tr><td></td><td>jar. ca/ca-test-iit.properties</td></tr><tr><td>""</td><td>jar. ca/ca-tovks.properties</td></tr><tr><td>" ""</td><td>jar. ca/ca-ukraine.properties</td></tr><tr><td>""</td><td>jar. ca/ca-ukrsib.properties</td></tr><tr><td>""</td><td>jar. ca/ca-uss.properties</td></tr><tr><td></td><td>jar. ca/ca-uz.properties</td></tr><tr><td></td><td>jar. ca/ca-zsu.properties</td></tr><tr><td></td><td>jar. ca/ca-oschad.properties</td></tr><tr><td></td><td>jar. ca/ca-gpu.properties</td></tr></table>				jar. ca/ca-czo.properties		jar. ca/ca-dfs.properties		jar. ca/ca-dpsu.properties		jar. ca/ca-energy.properties	"MASTERKEY" "_"	ca-masterkey.properties		jar. ca/ca-mvs.properties		jar. ca/ca-myust.properties		jar. ca/ca-nbu.properties	""	jar. ca/ca-privat.properties		jar. ca/ca-test-cipher. properties		jar. ca/ca-test-iit.properties	""	jar. ca/ca-tovks.properties	" ""	jar. ca/ca-ukraine.properties	""	jar. ca/ca-ukrsib.properties	""	jar. ca/ca-uss.properties		jar. ca/ca-uz.properties		jar. ca/ca-zsu.properties		jar. ca/ca-oschad.properties		jar. ca/ca-gpu.properties
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	jar. ca/ca-gpu.properties																																									
sjwsa.caCertificateChain=address1; address2	sjwsa: caCertificateChain: address1; address2	() (. : URL http://0.0.0.0/certificates_chain_path : file:///CACertificates.p7b																																								
sjwsa.iitCaConfigUrl=iitCaConfigAddress	sjwsa: iitCaConfigUrl: iitCaConfigAddress	A () , . . : URL http://0.0.0.0/iit_ca_config_address : file:///CAs.json																																								
sjwsa.keyGenerationProxy=proxyAddress	sjwsa: keyGenerationProxy: proxyAddress	: URL http://0.0.0.0/proxy_path																																								
sjwsa.ocspUrlMapper=mapperRules	sjwsa: ocspUrlMapper: mapperRules	OCSP . : : output_url1=input_url1;output_url2=input_url2																																								

sjwsa.voidAutoStart=false	sjwsa: voidAutoStart: false	true - - ; * false - -
sjwsa.keyStorage=keyStoragePath	sjwsa: keyStorage: keyStoragePath	(). : #. - , ; @. - PKCS#11; jar. - , jar. - , , .
sjwsa.keyStoragePassword=password	sjwsa: keyStoragePassword: password	(-) ().
sjwsa.cryptoLibDebug	sjwsa: cryptoLibDebug: false	true - ; * false - .
sjwsa.watchDogEnabled=false	sjwsa: watchDogEnabled: false	true - ; * false - ..
sjwsa.watchDogPeriod=1800	sjwsa: watchDogPeriod: 1800	, . , .
sjwsa.ticketTimeToLive=3600	sjwsa: ticketTimeToLive: 3600	, , . , .
sjwsa.watchDogTicketPerIteration=1000	sjwsa: watchDogTicketPerIteration: 1000	, (sjwsa.watchDogInterIterationDelay). , .
sjwsa.watchDogInterIterationDelay	sjwsa: watchDogInterIterationDelay: 100	, (sjwsa.watchDogTicketPerIteration), . , .

* _

```

spring:
  application:
    name: ccs-signer-service

server:
  port: 9092

logging:
  file: ccs-signer-service.log
  path: .
  pattern:
    file: "%d{yyyy-MM-dd HH:mm:ss.SSS} -%5p ${PID} [%thread] %-20.20logger{20} - %m%n %wEx"

sjwsa:
  voidAutoStart: true
  ocspUrlMapper: http://uakey.com.ua/services/ocsp=http://uakey.com.ua/http://uakey.com.
ua/services/ocsp=http://uakey.com.ua/

```

```
logging:
  path: /var/log/cix509/signer-server
  console.enable: false

sjwsa:
  workerThreadNumber: 4
  accessTokenUptime: 3777
  caCertificateChain: https://cipher.kiev.ua/files/sjwsa/CACertificates.p7b
  voidAutoStart: false
  cryptoLibDebug: true
  iitCaConfigUrl: https://cipher.kiev.ua/files/sjwsa/CAs.json
  caConfigFile: cal.properties
  keyStorage: ivanov.pfx
  keyStoragePassword: 12345678
```

""

```
#####
#
#
# 1.0
# 29.09.2016
#
#####
# : #####
#
# caConfigName
#
# caManufacturer
#
# caConfigId
#
# ldapServer          LDAP-
#                      ldap://[:],
#                      ldap://192.168.0.123.
#
# ldapBaseDn          LDAP.
#
# ldapLogin           '    LDAP.
#
# ldapPassword        LDAP.
#
# tspServer
#                      server:port, :
#                      server - ' IP-,
#                      port -   TSA.
#
# ocspServer          OCSP  server:port, :
#                      server - ' IP-,
#                      port -   OCSP.
#
# cmpServer           CMP   server:port, :
#                      server - ' IP-,
#                      port -   CMP.
#
# useProxyServer      -.
#                      :
#                      true:   LDAP, TSP, OCSP
#                      false:  LDAP, TSP, OCSP (
#                      ,    );
#
# proxyServer         -.
#                      :
#                      URL     http://0.0.0.0/proxy_path
#
# cdpAddress
#                      :
#                      URL     http://0.0.0.0/certificate_path
#
# acdpAddress
#                      :
#                      URL
#                      http://0.0.0.0/certificate_path
# #####
caConfigName=
caManufacturer=CIPHER
caConfigId=testIitCipher
ldapServer=ldap://46.182.83.77
ldapBaseDn=dc=cipher,dc=com
ldapLogin=cn=read,ou=accounts,dc=cipher,dc=com
ldapPassword=mY2daCn8
tspServer=46.182.83.77:318
ocspServer=46.182.83.77:5001
#useProxyServer=true
#proxyServer=http://proxy.cipher.kiev.ua:80/cipher-proxy
#proxyServer=http://localhost:8080
#proxyServer=http://cipher-proxy.cfapps.io
```

```
java -jar -Dsjwsa.caCertificateChain=https://czo.gov.ua/folderverify/Data/CACertificates.p7b -Dsjwsa.iitCaConfigUrl=https://cipher.kiev.ua/files/sjwsa/CAs.json -Dspring.cloud.config.enabled=false -XX:+HeapDumpOnOutOfMemoryError -XX:+UseConcMarkSweepGC -XX:+UseParNewGC signer-service-0.9.9-b51.jar
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