

Load Balanseri Haproxy ispred Oracle EBS-a

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haproxy oracle ebs

src

```
https://blog.pythian.com/configuring-software-loadbalancer-for-oracle-e-business-suite/  
Using HAProxy as a TLS Termination Point for Oracle E-Business Suite Release 12.1.3 (Doc ID 2012639.1) , odgovara i za 12.1.3
```

rad

```
$ADMIN_SCRIPTS_HOME/adstpall.sh  
vi $CONTEXT_FILE
```

Variable Name Configuration values

```
$s_webentryurlprotocol https  
$s_webentryhost ebs-lb  
$s_webentrydomain example.com  
$s_active_webport 443  
$s_login_page https://ebs-lb.example.com/OA_HTML/AppsLogin  
$s_endUserMonitoringURL https://ebs-lb.example.com/oracle_smp_chronos/oracle_smp_chronos_sdk.gif  
$s_external_url https://ebs-lb.example.com  
$ADMIN_SCRIPTS_HOME/adautocfg.sh  
$ADMIN_SCRIPTS_HOME/adstrtal.sh
```

Sredjivanje sertifikata

Potrebno je ubaciti CA i interm u cacerts keystore...

```
keytool -import -v -alias nbsca -keystore ./cacerts -file ~/Downloads/nbsca.csr  
keytool -import -v -alias nbscaim -keystore ./cacerts -file ~/Downloads/nbscaim.csr
```

potpisivanje formi

src

```
http://erpondb.blogspot.com/2016/02/java-keystore-file-and-java-signing.html  
http://samiora.blogspot.com/2020/06/deploy-root-certificate-on-oracle-ebs.html
```

rad

Ulogujemo se na APP , source APP.env

```
cd $OA_JRE_TOP/lib/security  
keytool -list -keystore $OA_JRE_TOP/lib/security/cacerts
```

pass je changeit...

```
cd $APPL_TOP_NE/ad/admin  
keytool -list -v -keystore adkeystore.dat
```

pass je "puneet"

Generate a new keypair (private key and public key)

Ovo preskakemo, posto vec imamo priv/pub cert i CA.

Imamo 3 fajla,

```
/home/oraraz/cacerts/ ca i interm
```

```
keytool -import -alias NBSCA -file /home/oraraz/cacerts/nbsca.pem -trustcacerts -v -keystore $OA_JRE_TOP/lib/security/cacerts
```

dodamo i interm za svaki slucaj.

```
keytool -import -alias NBSCAIM -file /home/oraraz/cacerts/nbscaim.pem -trustcacerts -v -keystore $OA_JRE_TOP/lib/security/cacerts
```

```
cat /home/oraraz/cacerts/nbs* > ./cabundle.pem
```

```
openssl pkcs12 \  
-export -in /home/oraraz/vrazeb12/vrazeb12.pem \  
-inkey /home/oraraz/vrazeb12/vrazeb12.key \  
-out ./vtestraz.p12 \  
-name OracleEBSRAZ \  
-passout pass
```

```
-CAfile ./cabundle.pem -caname NBSCA \  
-chain  
password puneet
```

Dobili smo

```
vtestraz.p12
```

Uradimo import:

```
keytool -deststoretype JKS \  
-importkeystore \  
-srckeystore ./vtestraz.p12 \  
-srcstoretype PKCS12 \  
-srcstorepass puneet \  
-alias OracleEBSRAZ \  
-deststorepass puneet \  
-destkeypass puneet \  
-destkeystore ./adkeystore.dat
```

Alias mora da bude isti kao i sto je bio...

kako se zove, ima unutar adsigned.txt

Ako treba da se menja...

```
keytool -changealias -keystore ./adkeystore.dat -alias OracleEBSRAZ -destalias RAZR19_vtestbs12
```

Stop app...

Regenerate all JAR Files using the force option through adadmin:

Run ADADMIN, and select the following from the AD Administration Main Menu:

Choose Generate Applications Files menu

From this menu choose Generate product JAR files

Enter yes when prompted with: Do you wish to force regeneration of all jar files? [No] ? yes

Once your jar files have been successfully generated, restart the application tier.

Restart the Application Tier

Restart the application tier services:

```
$ adstrtal.sh <apps_user>/<apps_pwd>
```

Da ne bi izlazila greska za "unknow publisher" , potrebno je dodati u jcontrol Signer CA od PEM ca koji imamo

```
U java control, otici na TAB security, zatim na Menage Certificate, pa zatim u Certificate type odabrati "Signer CA"  
Za User, otici na import , naci CA sertifikate na lokalnom disku , importvati ih
```

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