

1. RACF definitions
 - RACDCERT LISTRING(OPSMJE_RING) ID(OPSMJE_USERID)
 - RACDCERT LISTRING(ringname_form server.xml) ID(serverid)
 - ❖ Certificates should not restrict key usage
 - RACDCERT LIST (LABEL('pas personal cert')) ID(OPSMJE_USERID) personal cert
 - RACDCERT LIST (LABEL('server personal cert')) ID(serverid) personal
 - RACDCERT LIST (LABEL('certauth')) CERTAUTH repeat for all CA in rings above
 - RACDCERT LISTCHAIN (LABEL('certauth')) CERTAUTH
 - RACDCERT LISTCHAIN (LABEL('pas personal cert')) ID(OPSMJE_USERID)
 - RACDCERT LISTCHAIN (LABEL('server personal cert')) ID(serverid)
 - RACDCERT LISTMAP (LABEL('map context to user label')) ID(OPSMJE_USERID)
 - RLIST FACILITY (IRR.DIGTCERT.LIST) ALL
 - RLIST FACILITY (IRR.DIGTCERT.LISTRING) ALL
 - RLIST RDATA LIB * ALL

2. In **server.xml** add the SSL traceSpecification to the logging tag:


```
<logging traceSpecification="*=info:SSL=all:SSLChannel=all" />
```
3. Add -Djava.security.auth.debug=all to java options for the server

4. Restart the server .
5. Recreate the error
6. Stop the PAS
7. Send the following
 - *Servername*/server.xml
 - *Servername*/logs/messages.log
 - *Servername*/logs/trace.log
 - Job output from the server
 - Job output from the MVJE PAS
 - Output from RACF lists above