Question
Edrian Golob · Mar 9, 2023

# sslv3 alert bad certificate or sslv3 alert handshake failure

Hey guys.

I'm having trouble using the Certificate in my BO.

It started to occur after updating the certificate.

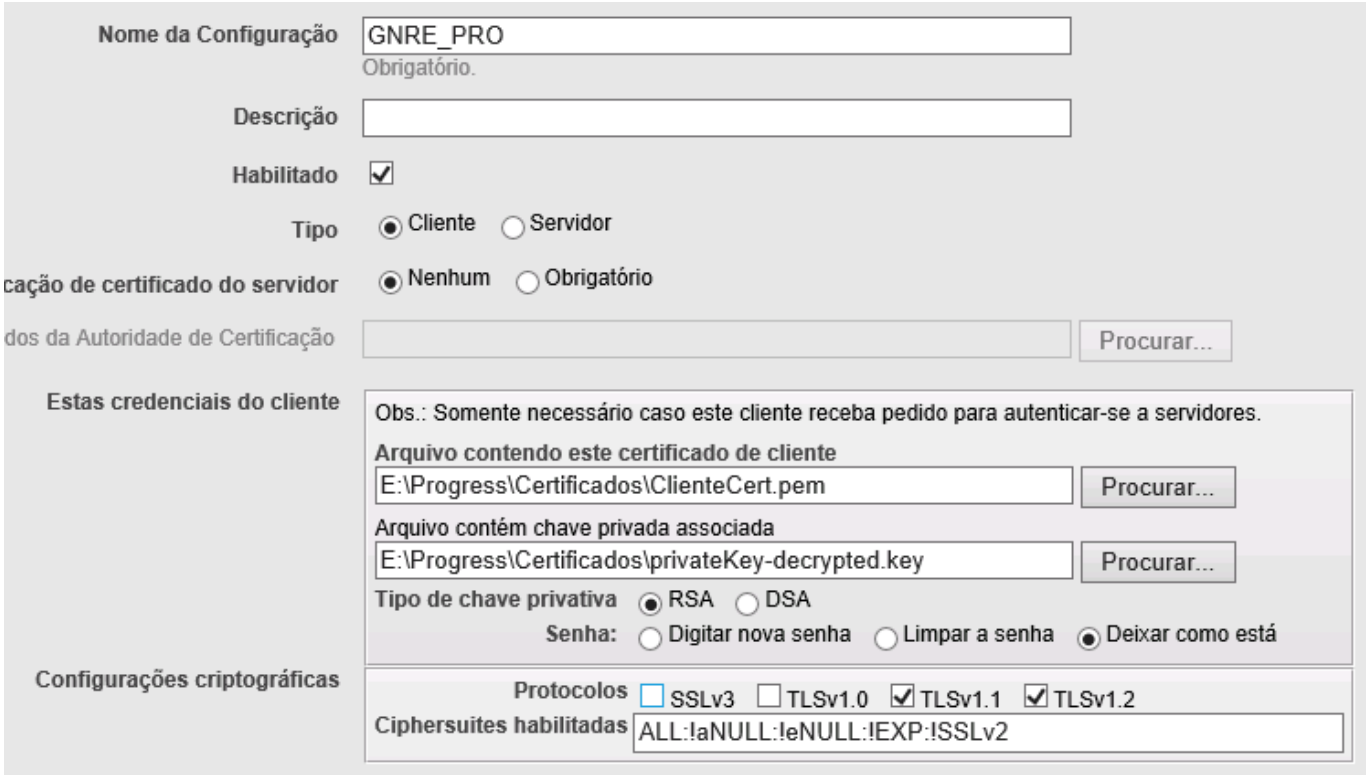
I have 2 configurations and 2 certificates, the first one was updated and no error occurs, the second one, the bad certificate or Handshake failure errors occurs. Both have the same configuration.
I already tried marking SSLV3, handshake error occurs. When I unchecked it, a Bad Certificate error occurs.

Do you know what I can do in this case to solve it?I looked for some threads in the community, and I didn't find a solution for my case.
The Certificate works correctly on other systems and platforms.
My Intersystems IRIS version is 2018.1

Errors:

ERROR #6085: Unable to write to socket with SSL/TLS configuration 'GNREPRO', error reported 'SSL/TLS error in SSLconnect(), SSLERRORSSL: protocol error, error:14094412:SSL routines:ssl3readbytes:sslv3 alert bad certificate'

ERROR #6085: Unable to write to socket with SSL/TLS configuration 'GNREPRO', error reported 'SSL/TLS error in SSLconnect(), SSLERRORSSL: protocol error, error:14077410:SSL routines:SSL23GETSERVERHELLO:sslv3 alert handshake failure'



log generated by REDEBUG

03/09/23-13:32:46:095 (14200) 0 [Generic.Event] tpopen for host www.gnre.pe.gov.br device number 49926342 port 443 mode 0x8848 tcpmode 0x24 terminators ibfsz 8192 obfsz 8192 queuesize 5 timeout 5 tcpsbuf=0 tcprbuf=0, XY=off, BINDTO=
03/09/23-13:32:46:095 (14200) 0 [Generic.Event] TCPConnect: SNDBUF sys size=131072, dev size=0
03/09/23-13:32:46:095 (14200) 0 [Generic.Event] TCPConnect: RCVBUF sys size=131072, dev size=0
03/09/23-13:32:46:158 (14200) 0 [Generic.Event]
TCP connected to site 200.238.99.68 port 443
03/09/23-13:32:46:158 (14200) 0 [Generic.Event] StreamInit: SNDBUF sys size=131072, dev size=0
03/09/23-13:32:46:158 (14200) 0 [Generic.Event] StreamInit: RCVBUF sys size=131072, dev size=0
03/09/23-13:32:46:158 (14200) 0 [Generic.Event]
SSL/TLS configuration: GNREPRO
03/09/23-13:32:46:158 (14200) 0 [Generic.Event]
Cipher list: ALL:!aNULL:!eNULL:!EXP:!SSLv2
03/09/23-13:32:46:158 (14200) 0 [Generic.Event]
Certificate file: E:\Progress\Certificados\ClienteCert.pem
03/09/23-13:32:46:158 (14200) 0 [Generic.Event]
Setting private key file encryption password
03/09/23-13:32:46:158 (14200) 0 [Generic.Event]
Private key file: E:\Progress\Certificados\privateKey-decrypted.key
03/09/23-13:32:46:158 (14200) 0 [Generic.Event]

Peer verification option = 0, certificate depth = 9
03/09/23-13:32:46:158 (14200) 0 [Generic.Event]
SSL/TLS client requested.
03/09/23-13:32:46:220 (14200) 0 [Generic.Event]
SSL/TLS error return from SSLconnect().
03/09/23-13:32:46:220 (14200) 0 [Generic.Event]
SSLERRORSSL: protocol error
03/09/23-13:32:46:220 (14200) 0 [Generic.Event]
error:14077410:SSL routines:SSL23GETSERVERHELLO:sslv3 alert handshake failure
03/09/23-13:32:46:220 (14200) 0 [Generic.Event]

#SOAP #SSL #Caché
**Product version:** Caché 2018.1