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Doc ID 1001.2 - SQL Error occurred (Exceeding Max Connection Pool size)

PERTAINS TO

- EBS Integration Kit - v1.1
- Oracle E-Business Suite - v12.1.3
- Oracle EBS Database - 12.1.0.1

ISSUE DESCRIPTION

The EBS Single Sign-On fails intermittently when the SSO User transactions are high. SQL connection errors are displayed.

ErrorMessage - *Caused by: oracle.ucp.UniversalConnectionPoolException: All connections in the Universal Connection Pool are in use*

Failed SQL connections between the EBS Integration Kit & Oracle EBS Database:

```
1020-10-27 14:29:26,465 DEBUG [com.likeminds.EBSAuth.EBSAuthUtils] Authcode URI Built
1020-10-27 14:29:26,465 DEBUG [com.likeminds.EBSAuth.EBSAuthBL] Exiting Construction AuthCode URI
1020-10-27 14:29:26,545 ERROR [com.likeminds.EBSAuth.EBSAuthBL] SQL Error occurred while creating Session
1020-10-27 14:29:26,545 ERROR [com.likeminds.EBSAuth.EBSAuthClient] null
1020-10-27 14:29:26,545 ERROR [SystemErr] java.lang.NullPointerException
1020-10-27 14:29:26,545 ERROR [SystemErr]
1020-10-27 14:29:26,545 ERROR [SystemErr] at com.likeminds.EBSAuth.EBSAuthBL.createEBSSession(EBSAuthBL.java:154)
1020-10-27 14:29:26,545 ERROR [SystemErr]
1020-10-27 14:29:26,545 ERROR [SystemErr] at com.likeminds.EBSAuth.EBSAuthClient.doGet(EBSAuthClient.java:134)
1020-10-27 14:29:26,545 ERROR [SystemErr]
1020-10-27 14:29:26,545 ERROR [SystemErr] at javax.servlet.http.HttpServlet.service(HttpServlet.java:687)
```

DIAGNOSIS

The connection pool parameters set in the EIK's DBCX file are not optimized for the heavy user traffic in this situation. The defaults are:

```
maxpoolsize=25
initpoolsize=10
minpoolsize=10
inactiveconntimeout=30
timeoutinterval=30
```

SOLUTION

The EIK's DBCX file need to be regenerated by giving the proper requirements on the DB parameters. Run the DBCX utility and enter the following parameter values as per your Organization's requirements.

```
maxpoolsize=<your value>
initpoolsize=<your value>
minpoolsize=<your value>
inactiveconntimeout=30
timeoutinterval=30
```

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Connection Pool

SQL Error

Maximum Pool Size

+2

SEARCH ENGINE OPTIMISATION

TITLE FOR SEARCH ENGINE

EIK Connection Pool error

DESCRIPTION FOR SEARCH ENGINE

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