- Alert log entry:

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Fatal NI connect error 12170.

VERSION INFORMATION:

TNS for Solaris: Version 11.2.0.1.0 - Production

Oracle Bequeath NT Protocol Adapter for Solaris: Version 11.2.0.1.0 - Production

TCP/IP NT Protocol Adapter for Solaris: Version 11.2.0.1.0 - Production

Time: 22-JAN-2011 21:48:23

Tracing not turned on.

Tns error struct:

ns main err code: 12535

**TNS-12535: TNS:operation timed out**

ns secondary err code: 12560

nt main err code: 505

**TNS-00505: Operation timed out**

nt secondary err code: 145

nt OS err code: 0

Client address: (ADDRESS=(PROTOCOL=tcp)(HOST=10.xxx.yy.117)(PORT=1092))

Note the time of the client corresponding client connection(s) in the listener log. Here you may find a particular client, set of clients or particular applications that are improperly disconnecting causing the timeout errors to be raised and recorder in the database alert log.

See the following for more information and a potential solution where a **firewall may be causing this issue: Note:1628949.1**  Alert Log Errors: 12170 TNS-12535/TNS-00505: Operation Timed Out

You may choose to revert from the new Automatic Diagnostic Repository (ADR) method to prevent the Oracle Net diagnostic details from being written to the alert log(s) by setting the following Oracle Net configuration parameters:

To revert to Oracle Net Server tracing/logging, set following parameter in the **server's sqlnet.ora** :

**DIAG\_ADR\_ENABLED = OFF**

Also, to back out the ADR diag for the Listener component, set following parameter in the server's listener.ora:

DIAG\_ADR\_ENABLED\_<listenername> = OFF

- Where the <listenername> would be replaced with the actual name of the configured listener(s) in the listener.ora configuration file. For example, if the listener name is 'LISTENER', the parameter would read:

**DIAG\_ADR\_ENABLED\_LISTENER = OFF**

-Reload or restart the TNS Listener for the parameter change to take effect.