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POSSIBLE ERRORS ENCOUNTERED

1. SQL5040N error during db2start command

SQL5040N:

- One of the socket addresses required by the tcpip server support is being used by another process.
- Make sure that all DB2 interprocess communications (IPC) resources are removed.
- Use ipclean command in the sqllib/bin directory:

  bash# ./ipclean

- Use the following command to identify those resources that belong to the DB2 instance:

  ipcs | grep [instance_id]

2. SQL6048N error during db2start command

SQL6048N:

A communication error occurred during START or STOP DATABASE MANAGER processing.

Explanation: A TCP/IP communication error occurred while the START or STOP DATABASE MANAGER command was trying to establish connection with all the nodes defined in the sqllib/db2nodes.cfg file.

- Make sure rsh service is started, on the control workstation and the other hosts in your partitioned database.
- Ensure that the node has the proper authorization defined in the .rhosts or the host.equiv files.
- Ensure that the application is not using more than (500 + (1995 - 2 * total_number_of_nodes)) file descriptors at the same time.
- Ensure the profile file is written in the Korn Shell script format.
- Ensure that all the host names defined in the db2nodes.cfg file in the sqllib directory are defined on the network and are running.

3. db2admin start returns critical system error message SQL1042C .

The following entires have been found in the db2diag.log file:

PID:17007(db2sysc) Appid:none
common_communication sqlcctcpopnadm Probe:40
DIA3205E Socket address "523" configured in the TCP/IP services file and

required by the TCP/IP server support is being used by another process.

- Make sure that port 523 is not used by another application.
- Check /etc/services file and see if this port is reserved by other application.
- Make sure that all DB2 interprocess communications (IPC) resources are removed.
- Use ipclean command in the sqllib/bin directory:

  bash# ./ipclean

- Use the following command to identify those resources that belong to the das instance:

  ipcs | grep [dasinstance_id]