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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  $(500 + (1995 - 2 * \text{total\_number\_of\_nodes}))$  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 entries 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]
```