**Installing and Configuring STATSPACK**

**Create PERFSTAT Tablespace**

The STATSPACK utility requires an isolated tablespace to obtain all of the objects and data or you can use any default permmant tablespace without SYSAUX tablespace.

SQL> **CREATE TABLESPACE**  **xyz  
     DATAFILE 'f:\oracle\product\10.2.0\oradata\orcl\perf01.dbf' SIZE** **200M;**

Now connect as Sysdba and run SPCREATE.SQL script .

**SQL>@f:/oracle/product/10.2.0/db\_1/rdbms/admin/SPCREATE.SQL;**

## Snapshot Levels

## Adjusting the STATSPACK Collection Level

SQL> **SELECT \* FROM stats$level\_description ORDER BY snap\_level;**

|  |  |
| --- | --- |
| **Level 0** | This level captures general statistics, including rollback segment, row cache, SGA, system events, background events, session events, and system statistics, wait statistics, lock statistics, and Latch information. |
| **Level 5** | This level includes capturing high resource usage SQL Statements, along with all data captured by lower levels. |
| **Level 6** | This level includes capturing SQL plan and SQL plan usage information for high resource usage SQL Statements, along with all data captured by lower levels. |
| **Level 7** | This level captures segment level statistics, including logical and physical reads, row lock, buffer busy waits, along with all data captured by lower levels. |
| **Level10** | This level includes capturing Child Latch statistics, along with all data captured by lower levels. |

You can change the default level of a snapshot with the statspack.snap function. The **i\_modify\_parameter => 'true'** changes the level permanent for all snapshots in the future.

**SQL> EXEC statspack.snap(i\_snap\_level => 6, i\_modify\_parameter => 'true');**

Now connect as perfstat

SQL> CONN perstat/test

SQL> EXECSTATSPACK.SNAP;

SQL>**@f:/oracle/product/10.2.0/db\_1/rdbms/admin/SPREPORT.SQL;**

**Remove STATSPACK from the Database**

After a STATSPACK session you want to remove the STATSPACK tables.

**Connect as sysdba**  
**SQL>@F:/oracle/product/10.2.0/db\_1/RDBMS/ADMIN/SPDROP.SQL**