

Teamcenter Administration Task

Disable Preferences Shared Memory for SFB-Teamcenter-8568

Solution
Partner

PLM

SIEMENS

Synopsis

Siemens PLM Software recommends disabling preferences in shared memory until Tc 11.2 (~July, 2015).
See SFB-Teamcenter-8568 for details.

High-Level Process

- 1) Shutdown the environment (services\processes)
 - a) On remote servers.
 - b) On Web/App servers.
- 2) Run in a Tc command window
 - a) clearlocks -assert_all_dead
 - b) install -lock_db
- 3) Delete the shared memory directory
 - a) TC_SHARED_MEMORY_DIR
- 4) In custom env file (or directly in tc_profilevars.bat)
 - a) set TC_USE_PREFS_SHARED_MEMORY=FALSE
- 5) Run in a Tc command window
 - a) generate_metadata_cache -u=infodba -p=infodba -g=dba -force
- 6) Optionally clean up
 - a) Clear logs in TC_TMP_DIR
 - b) Clear logs in TC_LOG (%TC_DATA%\log_%TC_DB_SERVER%_%ORACLE_SID%)
- 7) Run in a Tc command window
 - a) install -unlock_db
- 8) Restart the environment (services\processes)
 - a) On App/Web servers.
 - b) On remote servers.

Default Values

```
TC_NO_TEXTSRV_SHARED_MEMORY = FALSE
TC_USE_LOV_SHARED_MEMORY = TRUE
TC_USE_METADATA_SHARED_MEMORY = TRUE
TC_USE_PREFS_SHARED_MEMORY=TRUE
```

Notes

The side effect of turning off shared memory is that each tcserver takes additional memory as below:

Shared Memory Segment	Additional Memory (per tcserver)
Preferences	~2-4MB
Metadata	~19MB
LOV	~5MB
TextServer	~6MB