TINE Release 4.0 News

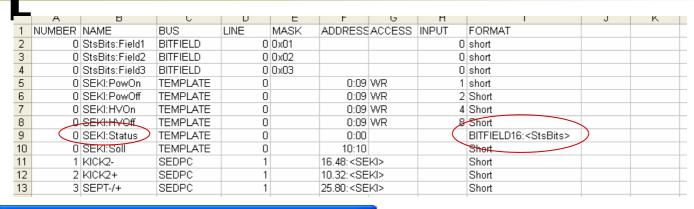
(May 16, 2008: That was the week that was!)

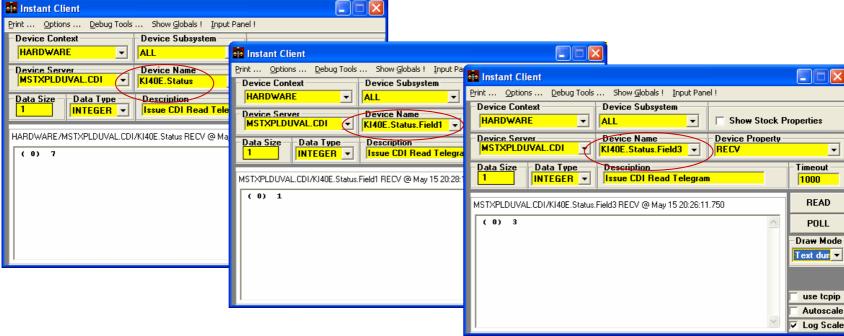
General News

- tine.desy.de
 - Windows CE download available (with helpful documentation)
 - Low Level support
 - Network Queue
 - CDI (place holder + documentation in German)
 - TICOM (place holder but Karol promises to fill it in)

- Bitfield acquisition handshaking
 - Std lib (not yet in java!)
 - Property can return 'has_structure_tag' or 'has_bitfield_tag' + tag
 - Triggers bitfield acquisition
 - Already implemented in CDI!
 - e.g. 'PSC1.status.on' as CF_SHORT remaps to 'PSC1.status.on' as CF_BITFIELD16 + bitfield tag
 - => client does NOT have to know the bitfield tag a priori!
- Allow similar functionality with structs ?!
 - Register original property plus 'Property.field' for all fields.

CDI and Bitfields





- Data type CF_DLONG (CF_INT64) implemented and tested in java!
 - Can be used as a data type or as part of a tagged structure!
 - Not yet fully integrated in the Std Lib (for once java is ahead!)
 - Not yet accessible in the Instant Client (coming soon, we promise!).

- allow stock property "SRVEXIT" to take an exit code.
- added routines (mutex lock on Eqm):
 - LockEquipmentModule()
 - UnlockEquipmentModule()

Device Groups (Straw poll)

- Allow off-context Groups ?
 - e.g. put the physical servers in some context PETRA.HDW
 - and the logical server in PETRA
 - N.B. plug-and-play requires adjusting the code at the GENS. Can achieve this now only by adding an Alias server in another context.
- allow multi-membership ?
 - e.g. MKK view of the world sees devices from servers X,
 Y, Z and A, B, C, belong to some server S0
 - Physicists see devices from servers X, Y, Z belonging to server S1 and A, B, C belonging to S2
 - N.B. An admin can do this now, but it's not plug-and-play.

Bug Fixes:

- Display bug with debug level > 0 + repetitive socket read error.
- Java: getPropertyInformation() can take '*' parameter for property and delivery full information for all properties (DOOCS request).
- Java: READ/WRITE format mapping from/to TEXT and NAMExx formats.