TINE Studio (RBE*)

VIEWING ALARM DATA

*Real Best Ever

THE ALARM SYSTEM

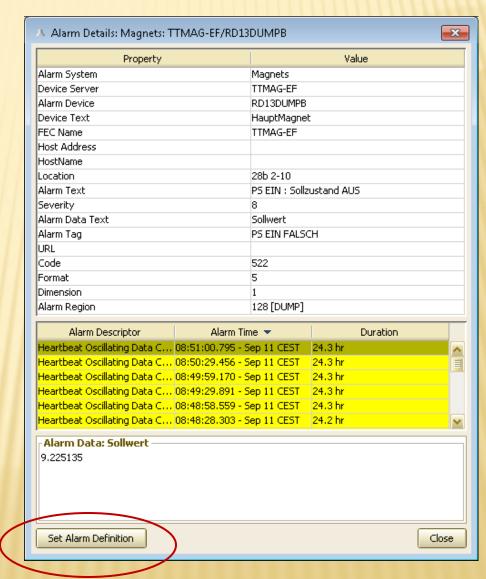
* Alarms

- + Belong to a registered device!
- + Defined by: /context/server/device + alarm code + starttime
- + Have a history
 - x Tagged as 'new', 'transient', 'oscillating', 'data changed', 'heartbeat', 'terminated'.
- + Have 'static' information defined by alarm code
 - × alarm tag, various descriptive texts, url, severity, data format
- + Have 'dynamic' information
 - × descriptor, alarm time, alarm start time, alarm data
- + Alarm Message: dynamic part + cross-reference to static part.

× e.g. a magnet alarm:

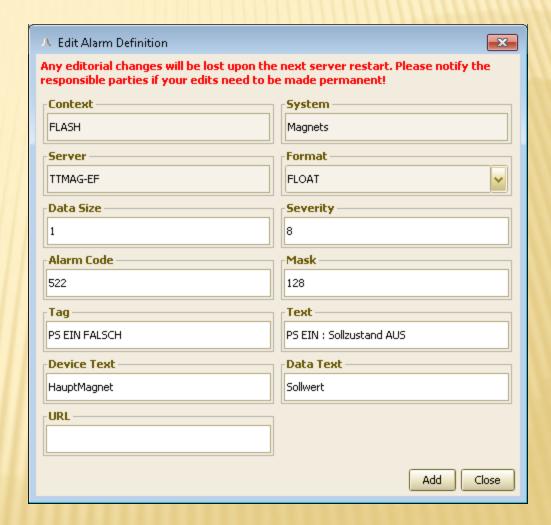
static information:

dynamic information:



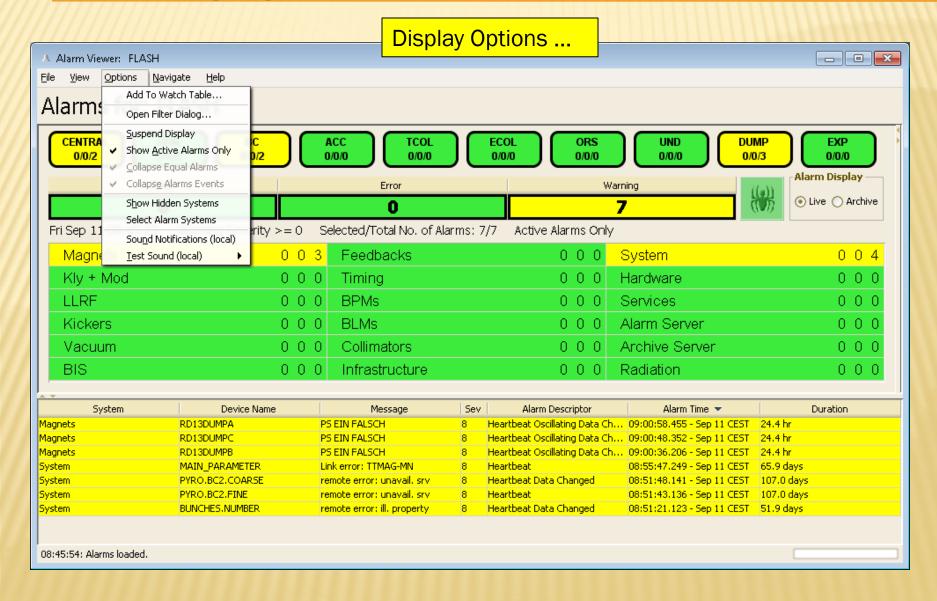
- static alarm definitions:
 - + Given by alarms.csv (or fec.xml or via API)
 - + Can be edited 'on-the-fly'
 - -> but changes are volatile!
 - + Best to leave 'alarm system' = 0

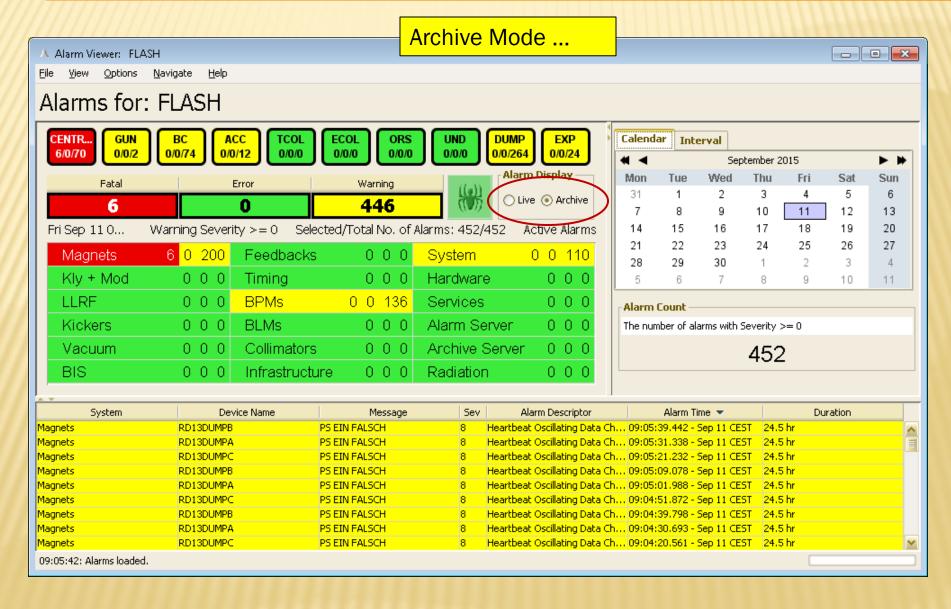
(signals the CAS to apply the alarm system registered for the server issuing the alarm).

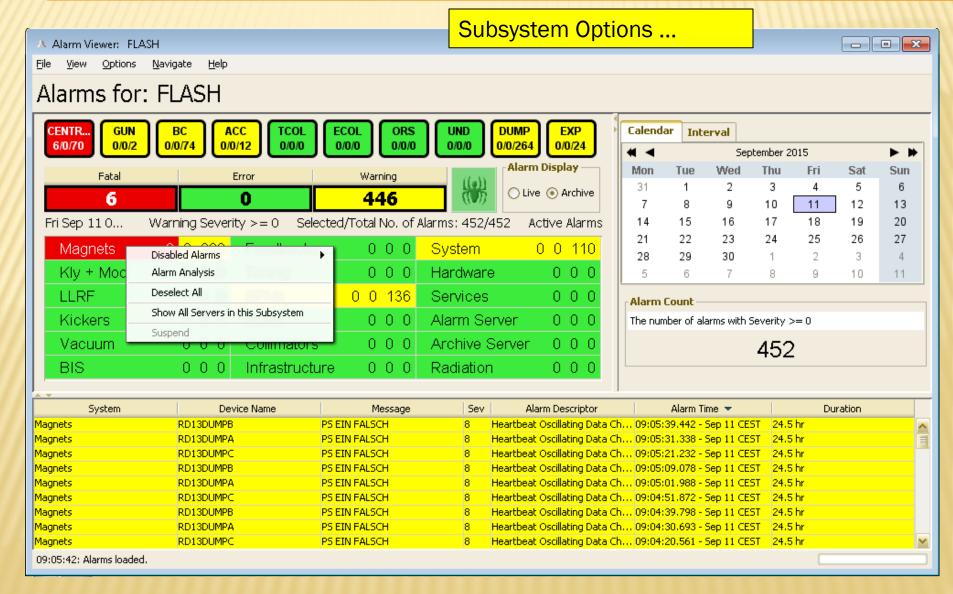


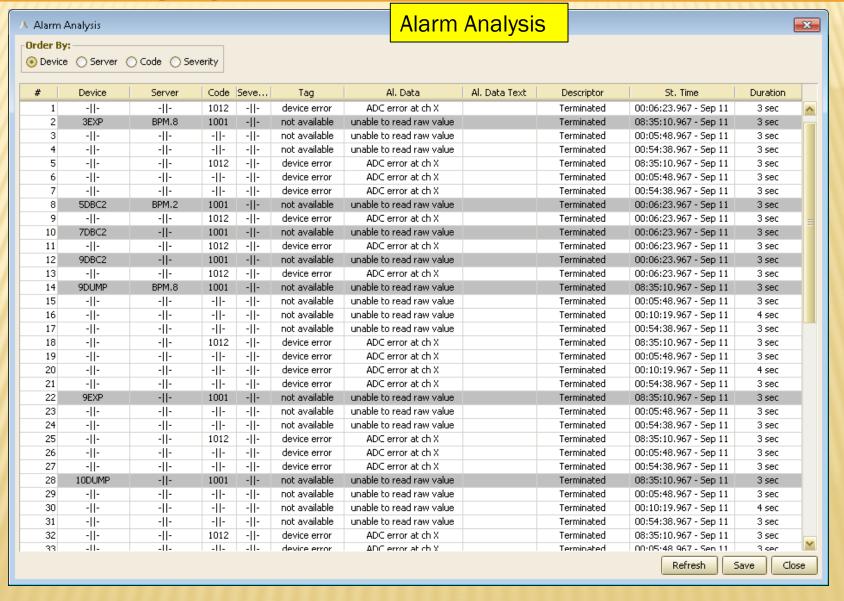


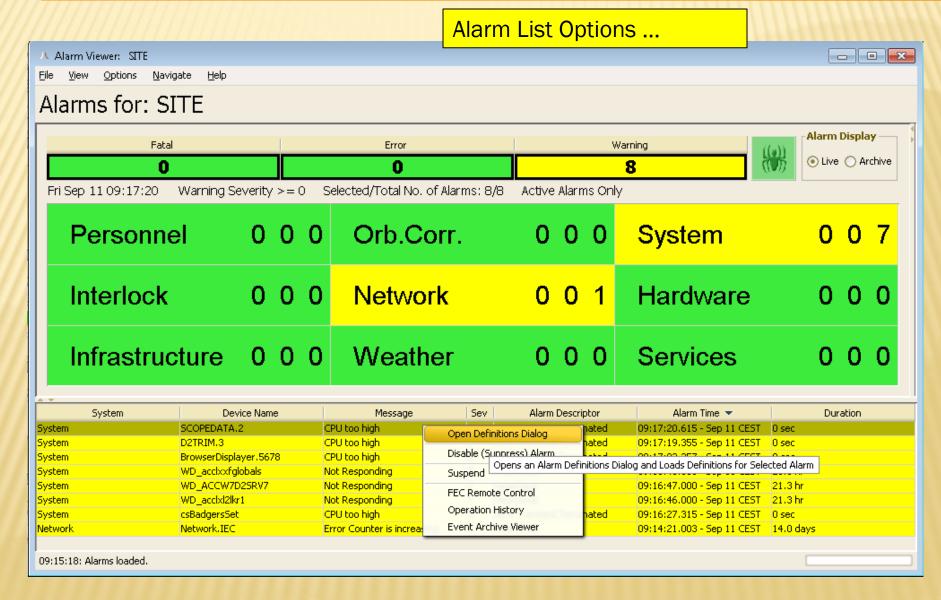
- * Automatic Alarms:
 - + 'link_error' alarms (middle layer servers).
 - x can suppress if desired
- Disk space alarms:
 - + 'low_disk_space' if given path does not have the registered minimum disk space.
 - × Yes, there's an API call.



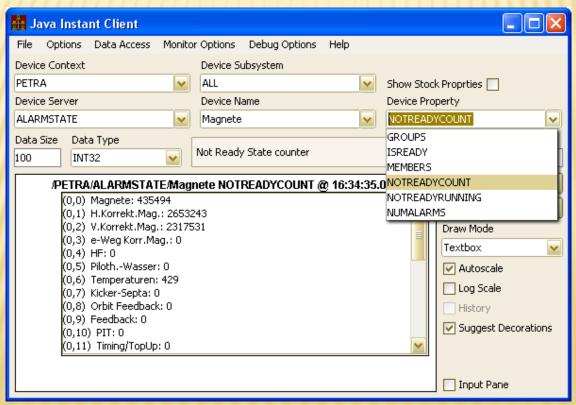


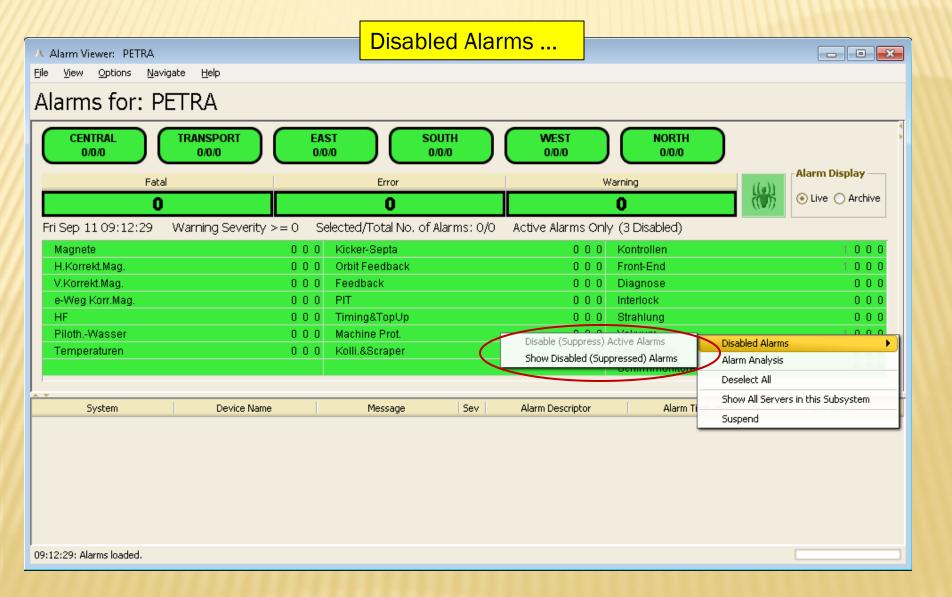




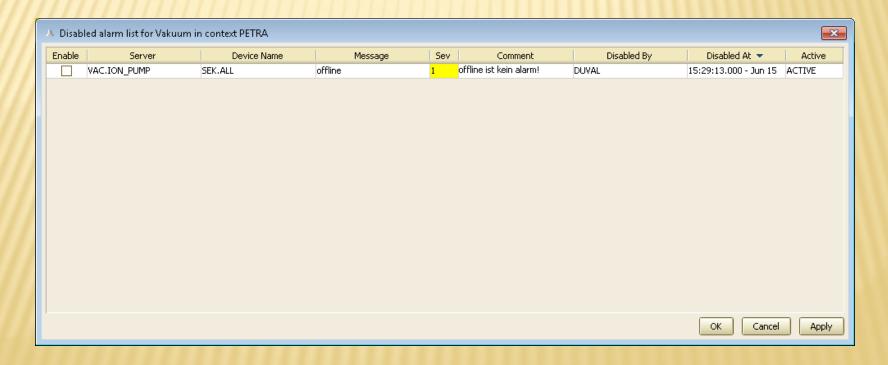


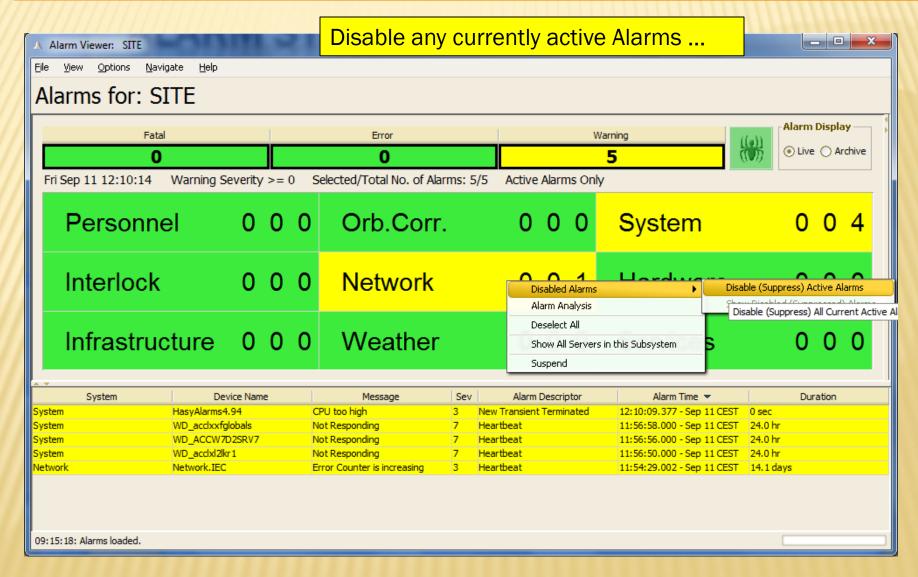
- Availability
 - + server: "/<context>/ALARMSTATE"
 - + monitor fatal alarms for all alarm systems from CAS.
 - + At least 1 alarm => system NOT AVAILABLE



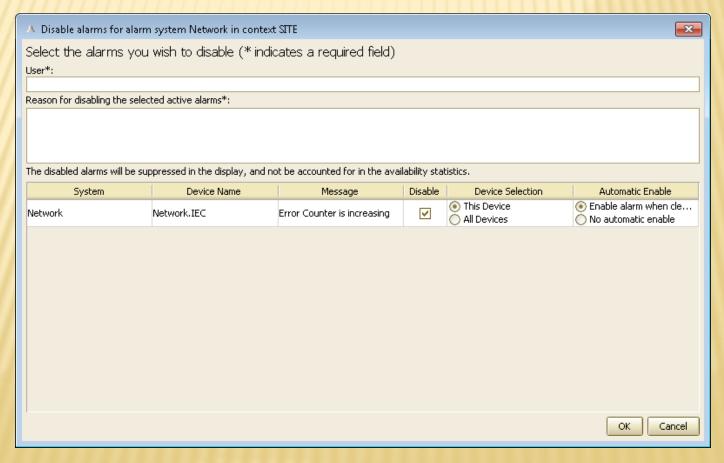


- See which alarms have been disabled
 - + By whom ...
 - + Alarm is currently active?





- For all devices or just the one showing ...
- Automatically re-enable when the current alarm is terminated?



- * Also view alarms in
 - + FEC Remote Panel
 - + Operation History Overview