Display Managers,
Legacy System Upgrades,
Base Upgrade Plans
Display Managers

- EDD/DM
- MEDM – Motif Editor and DM
- DM2K – European MEDM
- EDM – Extensible DM
- JDM – JAVA DM
- SNS Display Manager Decision
Extensible DM (EDM)

- C++ (~15 classes, no templates)
- Ideas from V-Draw
- Motivated but Protective Owner
- No Crashes during Demo
- Speedy, Nice User Interface
- Lacking Many Features
- No Design or User Documentation
SNS DM Decision

Requirements

- Operator Convenience > Programmer Pain
- Fast (No JAVA), Startup Time not an Issue
- Stable, Maintainable, Extensible
- Able to Build Screens Programmatically
- Cannot Start from Scratch
- DM used a lot in commissioning, physicists tools used later in project (tools include TCL/TK, Python, SAD, SDDS, Matlab)
SNS DM Decision (cont)

Requirements (cont)

- No CDEV Interface
- Linux Platform, no NT
- Some Easy Conversion from adl to xml
- Need Most Features of DM2K and EDD/DM
- SNS Currently using DM2K with add-ons
- More…
SNS DM Decision (cont)

Decision:

- Spend 6 Months on EDM “prototype” – look under hood, add some new features, identify new widgets, documentation (I hope)
- Figure out what is lacking in DM2K
- Fallback to DM2K if EDM doesn’t pan out
Legacy System Upgrades

- FermiLab DZero Alarm System
- DESY TINE System
FermiLab D0 Alarm System

- Significant Event System
- ALH/CMLOG/SIP all-in-one plus more
- Added Alarming Hook + IOC Task
- Added to Common DB Fields
DESY TINE System

- Accelerator Controls – Visual Basic, Active-X Control
- Tried CA Client but limitations
- Added TINE Gateway Server on IOC
- Name Service
- TINE Applications access EPICS data as TINE data (weather station – 250 PVs)
Base Upgrade Plans

- Version 3.14
- Version 3.15