WEB SERVICES USAGE

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WEB OPI (SNS): GBAR experiment

- CSS RAP [HTTPS://GITHUB.COM/CONTROLSYSTEMSTUDIO/CSS-STUDIO/WIKI/WEBOP] running on Tomcat server gives easy access to online experiment status
- For read-only rights, we are using ca-gateway
- Performances: loading view is not fast
- Memory: Seems to have memory trouble, reboot of the application
- Resize of the controls is not an easy parameter for the developer
- Not CSS BOB compatible
Website alarm (SNS): Test stand CEA and GBAR experiment

- We don’t have a great feedback from the users, probably because it is not integrated with the synoptic view website
- Installation documentation is light, and so the configuration is not that easy
Archiver Appliance (SLAC): CEA Test stand and GBAR experiment

- Configuration and visualization with only one archiving machine
- Good documentation
- Good performance
Archiver Appliance (SLAC): CEA Test stand and GBAR experiment

- Website running on tomcat server
- Only visualization
- Performance are good, good feedback from users
- It will be great to be able to get data with JSON request from this website. It could be used as a gateway for offline treatment
Small PC configuration: adapting Archive appliance

- Remove not interesting data
- Remove old data
- Not deployed for the moment
Parameters:
- Data depth
- Max storage duration
- Process variables to exclude
- Process period
- Optimization mode
- Process variables per task...
MOONARCH OPTIMIZATION PROCESS RESULT

Memory size - 40 %
Needs

- Synoptic website compatible with CSS .bob
- Website that integrates synoptic website, alarm and archiving data (trend)
- Light solution that can run on a small PC configuration
  - We deploy also control software on small experiments in different places in the world
  - Constraints: cost, space in the rack, environment condition
  - Example: Concordia on South pole: Experiment to test the environment for a future telescope: understand freeze on different materials, how to remove the snow, etc.
Thanks a lot to the developers and the facilities that support them
THANK YOU FOR YOUR ATTENTION!

ANY QUESTIONS?