More on Large Data Transfers

Some comments on transferring Files

File Transfer via TINE

- TINE optimized for many clients getting and displaying/manipulating control system data.
- File transfer works but remember …
  - Server double buffers the whole data set in main memory
  - Client loads the whole data set in main memory
  - 2 MB File costs 4 MB at the server prior to transfer, etc.
- Need a "CF_FILE" format type that cuts through the large buffering and gets/copies files piecemeal to/from disk.

Some Benchmarks

- ## Large Payloads
  - ○ 500 Kbytes   ~ 15 – 50 msec
  - ○ 1 MB   ~ 40 – 100 msec
  - ○ 2 MB   ~ 90 – 120 msec
- ## Switch Ports (CentreCom)
  - ○ LINUX Beware !
  - ○ There's buffering inside switch!