

Chronicle Architecture

Custom Code to monitor OPC server, collect data and store in RDBMS. Alarms to be paged would be monitored from here as well.

PostgreSQL

SQL RDBMS

- Numerical Log Storage
- Message/Alarm Storage
- Configuration Storage
- Report Template Storage
- User Management

Custom Code to manage Report Templates, schedule timed reports, and route on-demand reports

FOP

Report Formatter

- Java Application
- Driven by XSL-FO
- Supported output includes: PDF, PCL, PS, SVG, & others



KEPServer EX 

PLC Gateway

- PLC Communication
- Supports 100's of PLC models

OPC Server

- Used to collect data from PLCs
- May also be used by other clients on the plant network



PostgreSQL ODBC

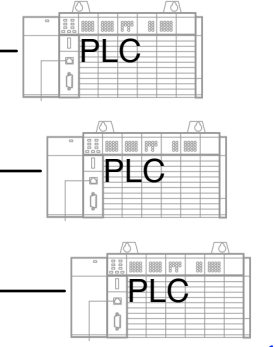
Access data from any ODBC compliant client

The Apache Software Foundation <http://www.apache.org/>

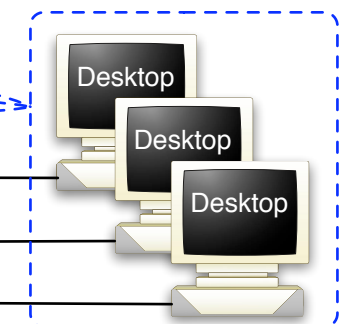
Web Server

- User Interface
- Configuration
- Reporting
- Other content

Plant Ethernet



Plant PLCs



Plant Workstations