COMETE: A Multi Data Source Oriented Graphical Framework

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Project Goal

-SOLEIL software is based on multiple data sources:
  - Tango
  - NeXus
  - Passerelle models files (i.e sequencer files)
  - Databases

In the early years of SOLEIL, the software team has been focusing on the control system (Tango) and ATK was fulfilling our needs.

Today, this is not sufficient. We need to furnish to our java developers a unified API that can be connected to all data sources.
Comete Widgets are available in three implementations (Swing, SWT & AWT) and therefore integrate well into your existing software.

Comete is an open three layered architecture. Anyone can add a datasource or new widgets.

Connect a widget to a source in 3 lines:

**NeXus**

- NexusKey key = new NexusKey();
- NexusKeyTool.registerAttribute(key, "myfile", "datasetName");
- chartBox.connectWidget(chartViewer, key);

**Tango**

- TangoKey key = new TangoKey();
- TangoKeyTool.registerAttribute(key, "mydevice", "ATTRIBUTE");
- chartBox.connectWidget(chartViewer, key);
Conclusion

• Any contribution, collaboration or comment is welcome

• Comete home page: http://sourceforge.net/apps/trac/comete/