BDNS - BESSY DEVICE NAME SERVICE

MOTIVATION
BDNSLS, is a prototype database tool, currently under development. It's based on extensible configurations defined in XML. Profiles encapsulate complex SQL navigation paths to an element or device.

FEATURES
- Display detailed element/device properties
- Configurable tree navigation
- Popup menus, data update wizards
- XML configuration, generic executable code

DEVELOPER GUIDELINES
- Search, read, change, and insert DB elements.
- Tool for users without knowledge of SQL.
- Importing and exporting of huge data sets.
- Profiles contains navigation chain to a target element, element properties, and the popup-menus.
- Profiles that allow for changes during operation.
- Complexity of the data structures and SQL-queries is encapsulated in configuration files.
- Generic source code.
- Independent of the application, with respect of the given data structure.
- Own SQL-queries can be stored in the configuration file.
- JAVA provides a platform independent application.

GUI OF THE APPLICATION

DATA FLOW AS CONFIGURED BY THE XML FILE*