(Also available on under this link)

Sardana Documentation - top level

(User's Guide and Developers Guide will be discussed in more details later on)

- User's Guide
    - Overview
    - Getting started
    - Spock
    - Sardana-Taurus Widgets
    - Scans
        - Diffractometer control
        - Adding real elements
        - Macro environment
        - Macro Hooks
        - Macro logging and report
    - Standard macro catalog
        - Environment variable catalogue
        - Configuration
    - Screenshots
    - FAQ
- Developer's Guide
    - Overview
    - Writing macros
    - Writing controllers
    - Writing recorders
    - Sardana core development
    - Sardana Testing
    - API
    - Migration guide
    - Examples
    - Development guidelines
- Sardana Enhancement Proposals

- Glossary
    - Nice chapter
- To do
    - It lists missing documentation (TODOs).
    - It is autogenerated.
- History of changes
    - Competes with CHANGELOG.md
    - It could be removed
    - History of modifications
    - Version history
- Index
- Module Index
- Search Page

Color guide:

- Highlight color:
  - green - more or less fine
  - yellow - requires work
  - red - completely missing or wrong
  - violete - new contents
- Text color:
  - Links from documentation
  - Zibi's comments

User's Guide

- Overview
  - Requires review and small corrections. But in general OK
  - What do we "sell" to our users
  - Starting a procedure
  - Taurus as a toolkit for applications
  - Configure – don't program
  - How to write your own procedure
  - How to adapt it to your own hardware
  - Symbolic Sketch
- Getting started
  - Installing
    - Upgrade installation instructions on Windows
  - Working directly from Git
  - Dependencies
  - Running the server
  - Running the client
- Spock
  - Starting spock from the command line
  - Starting spock with a custom profile
  - Spock IPython Primer
  - Executing macros

        - Normal and Advanced spock syntax
        - Stopping macros
        - Exiting spock
        - Getting help
        - Moving motors
        - Counting
        - Scanning
        - Accessing macro data
        - Editing macros (edmac)
        - Debugging problems (debug, www, post_mortem)
        - Using spock as a Python console
        - Using spock as a Tango console
    - Sardana-Taurus Widgets
        - MacroExecutor
        - Sequencer
            - Load from file with spock syntax
        - MacroButton
        - Experiment Configuration
            - Snapshot Group
            - Storage
        - ShowScan
        - Sardana Editor
    - Scans
        - Step scans
        - Continuous scans
        - Scan snapshot
        - Configuration
            - Environment variables are defined here. This should be a link to environment variables
- Diffractometer control
- Adding real elements
- Macro environment

- Hooks
- Macro logging and report
  - Standard macro catalog
    - How to generate the catalogue automatically from the Sardana macros?
      - motion related macros
      - counting macros
      - diffractometer related macros
      - environment related macros
      - list related macros
      - measurement configuration macros
      - general hooks macros
      - advanced element manipulation macros
      - reload code macros
      - scan macros
- Environment variable catalogue
  - Screenshots
    - could be updated but not priority
      - Sardana oriented graphical user interfaces
      - Graphical user interface screen shots
  - FAQ
    - are very poorly explained, missing links
      - What is the Sardana SCADA and how do I get an overview over the different components?
      - How do I install Sardana?
      - How to work with Taurus GUI?
      - How to produce your own Taurus GUI panel?
      - How to call procedures?
      - How to write procedures?
      - How to write scan procedures?
      - How to adapt SARDANA to your own hardware?

- How to add your own file format?
- How to use the standard macros?
- How to add conditions in macros?
- How to write your own Taurus application?
- Which are the standard Taurus graphical GUI components?
- How to write your own Taurus widget?
- How to work with the graphical GUI editor?
- What are the minimum software requirements for sardana?
- How to configure the system?
- How to write your own Taurus schema?
- What are the interfaces to the macro server and the pool?
- What are the data file formats used in the system and how can I read them?
- What is the file format of the configuration files?
- How to access EPICS?

Developer's Guide

- Overview
  - Each of the elements contains links to the Reference (description of each of the concepts), Sardana API, Tango API
  - Global overview
  - Macro Server
  - Pool
  - Controller
  - Motor
  - Pseudo motor
  - IO register
  - Trigger/gate
  - Counter/timer
  - 0D experiment channel

        - 1D experiment channel
        - 2D experiment channel
        - Pseudo counter
        - Measurement Group
            - Motor Group
            - Instrument
    - Writing macros
        - General macro development
            - Macro result
            - Stopping/aborting a macro
        - Scan macro development
    - Writing controllers
        - What is a controller
        - How to write a motor controller
        - How to write a counter/timer controller
        - How to write a 0D controller
        - How to write a 1D controller
            - Better document them after SEP2
        - How to write a 2D controller
            - Better document them after SEP2
        - How to write a trigger/gate controller
        - How to write an I/O register controller
        - How to write a pseudo motor controller
        - How to write a pseudo counter controller
    - Writing recorders
        - Overview
        - What is a recorder?
        - Type of recorders
        - Writing a custom recorder
        - Configuration
- Developing core
    - Sardana Testing

        - General test documentation
        - Run Sardana tests from command line
        - Test-driven development example
        - Sardana Unit Test examples
- API
        - Macro API
        - Controller API
        - Motor API
        - I/O register
        - Counter/timer API
        - 0D experiment channel API
        - 1D experiment channel API
        - 2D experiment channel API
        - Trigger/gate API
        - Pseudo motor API
        - Pseudo counter API
        - Measurement group API
        - Pool tango API
        - Macro server tango API
        - Library
            - Macros documentation is duplicated here!
        - Test API
- Migration guide
        - Some part of it competes with CHANGELOG.md.
        - But it would be an interesting chapter for eventual future migration guides.
        - How to migrate your macro code
        - How to migrate your controller code
- Examples
        - Macro examples
        - Controller examples

- Development guidelines
    - Overview
    - How to contribute to sardana
        - Competes with CONTRIBUTING.md
    - ~~Cloning and forking sardana from Git~~
    - ~~The old code repositories~~
    - Documentation
    - Coding conventions