Sandhi

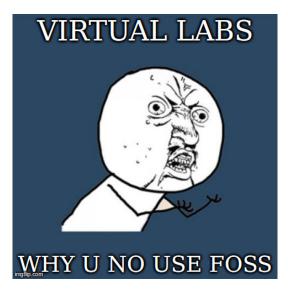
Manoj Gudi

R.A. FOSSEE — NME-ICT — IIT Bombay

7th March 2014

Pre-Sandhi

- LabVIEW: A proprietary visual programming software by NI
- Vendor lockdown
- Buy NI DAC cards .. Buy LabVIEW = Evil Maxx
- Little care for support on Free Operating Systems: GNU/Linux.
- Main target: Virtual Labs, IIT Bombay.

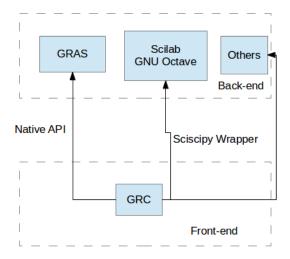


Objectives



- Free and Open source
- Easy to use Clean interface Drag & Drop
- Should run on GNU/Linux smoothly
- Able to carry out control system experiments
- Framework should support feedbacks

Architecture



Features

- Light-weight ~20mb without depdendencies
- Good Hardware driver support
- Language support for Development: Scilab, GNU/Octave, Python, C++
- Developed for Control system application
- But can be easily extended for
 - Image Processing
 - Neural Networks
 - And any other areas which can be represented as data-flowgraph

References/Links

Source code

https://github.com/gnu-sandhi/sandhi.git

- Documentation https://github.com/gnu-sandhi/docs.git
- Problems using it? Found a bug?
 - Are you sure its a bug and **not** a feature?
 - Raise a issue on our github
 - Mailing List: gnu_lc@googlegroups.com