

Cluster B – Status

- PlanetLab Control Framework
 - SFA implementation is operational on PLC, PLE, PLJ, & VINI
 - Encouraging beta users for user interface – sfi
 - visit svn.planet-lab.org / see “User’s Guide”
 - Operational rspecs + policy (sfatables)
- SPP
 - Deployed in 3 sites now (2 more in 6-9 months)
 - Need to re-sync with SFA
 - Looking for users
- GpENI
 - 7 operational sites (3 in Europe)
 - DCN running on optical and ethernet switches
 - Running latest release of SFA (waiting for kernel upgrade)
 - Inviting users (supports Gush, Raven, Seattle)

Status (more)

- E-GENI
 - Integration with SFA/PlanetLab demo'ed
 - 3 sites in Internet2 (soon 5) + 2 campuses
- Raven
 - Running on PlanetLab and GpENI (need auto deploy)
 - Now includes monitoring & improved interface
- Gush
 - Running on PlanetLab, GpENI, & MAX (need auto deploy)
 - 18 Williams students running on PlanetLab using Gush

Status (cont)

- MAX
 - Physical interconnects to SPP & ProtoGENI
 - Updated Movaz software (ROADM)
 - A version behind with SFA
 - Half-dozen users have accounts

Looking Forward

- All aggregates need to sync with latest SFA
 - Use PlanetLab, VINI, OpenFlow rspec as templates
 - Specialize rspec as needed
 - Repository: svn.planet-lab.org
 - Module: sfa
 - Dir: sfa/trunk/sfa/rspecs/aggregates (see .xml examples)
- Jump ahead to next version (Trellis / 2.6.27)
 - Do an alpha deployment next week (rollout to follow)

Looking Forward (cont)

- Raven/Gush wish list
 - Auto deployment on new aggregates
 - Include default set of initscripts w/ MyPLC
 - MyPLC install gives aggregates the option to exclude
 - SFA needs to give slices the ability to select
 - Record in registry or in rspec
 - Need GID and private key for slice available in each sliver (and GID for node)
- OpenVswitch integration in PlanetLab kernel
 - OpenVswitch is a software OpenFlow inkernel
 - Makes it easier to discover topology
 - Reserve ports (flow space) via rspec in PlanetLab