

Supporting the experiment lifecycle with MySlice

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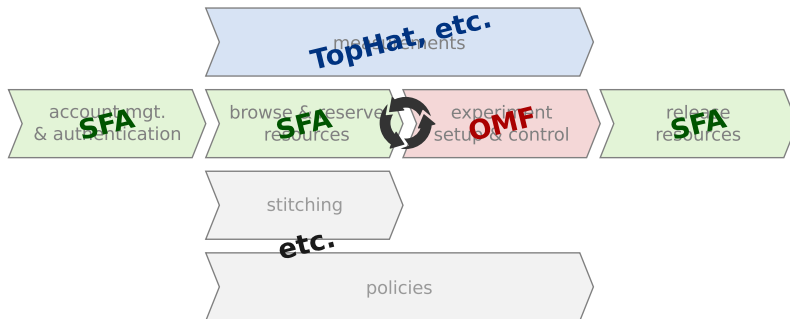
LIP6 AERES evaluation – January 7-9, 2013 – Paris, France



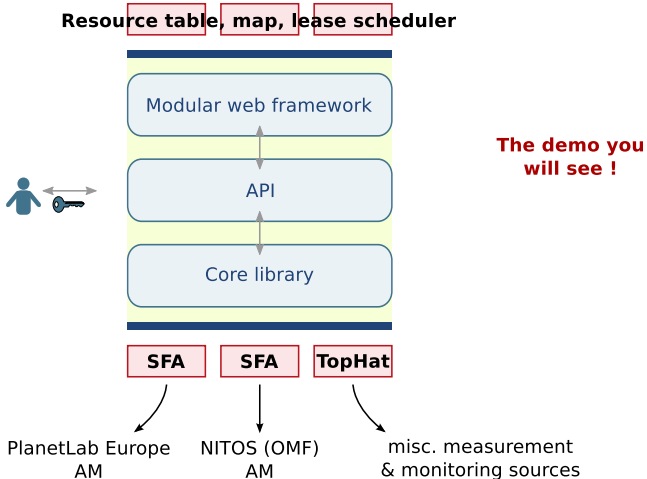
Overview of MySlice

- A **user-centric** tool to support users' interaction with the federation of testbeds
- tailored to support the full **experiment lifecycle**
- based on an **open and extensible** framework

Hiding the complexity of the experimental lifecycle



MySlice architecture



Community development: contributors



architecture (GENI Understanding Federation)



Europe

INRIA Sophia (FR): architecture, scheduler



INRIA Grenoble (FR): 3D map, scheduler



UTH (GR) : scheduler (in progress)



IBBT (BE) : measurement visualization (in discussion)

Community development: testbeds



(adopted)



Europe



(in progress)



(in progress)



OPTIMISE, INCREASE TESTBEDS
SUPERCOMPUTATION AND
HYPERSCALE, DATA STORAGE

(in discussion)

Conclusion

- An open solution for users to access the global federation of testbeds
- Support for the complete experimental lifecycle
- Available for download, deployment in progress

References

- J. Augé, T. Parmentelat, N. Turro, T. Friedman – Tools to foster a global federation of testbeds – Computer Networks – Special issue Future internet testbeds (in submission)
- L. Baron, J. Augé, T. Friedman, S. Fdida – Towards an integrated portal for networking testbed federation: an open platform approach – FIRE Engineering workshop, Nov 6-7, 2012, Ghent, Belgium
- Jordan Augé, Loïc Barton, Timur Friedman, Serge Fdida – Supporting the experiment lifecycle with MySlice – Invited talk @ GENI Engineering Conference, GEC15 – Oct. 23-25, 2012 – Houston, TX

BACKUP SLIDES

Pointers

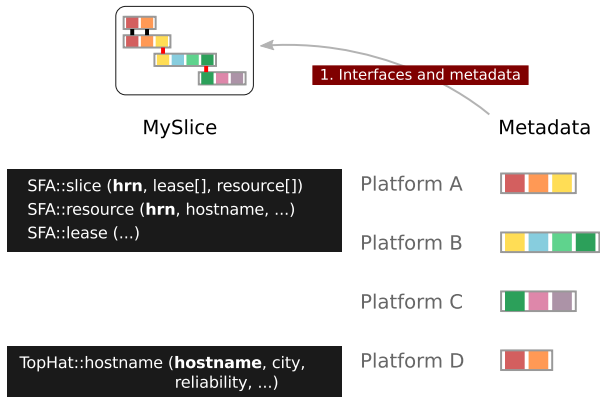
For users

- Project website: `http://www.myslice.info`
- Demo website: `https://demo.myslice.info`
 - documentation and tutorials

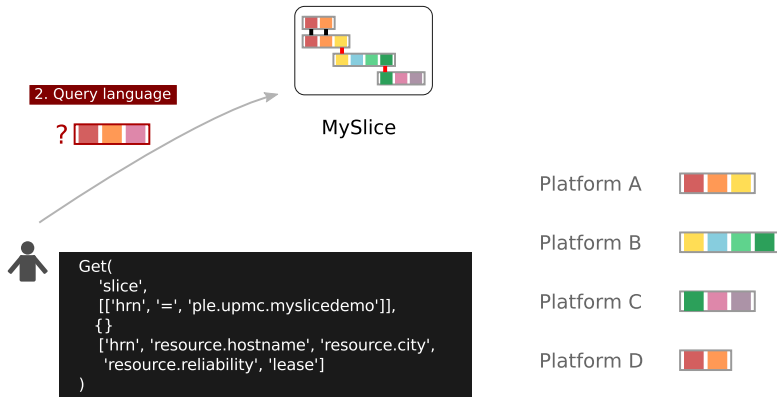
For testbed owners and developers

- Debian packages
- GIT repository: `http://git.myslice.info`
- TRAC: `https://trac.myslice.info` (new)
- mailing lists, IRC channel, etc.

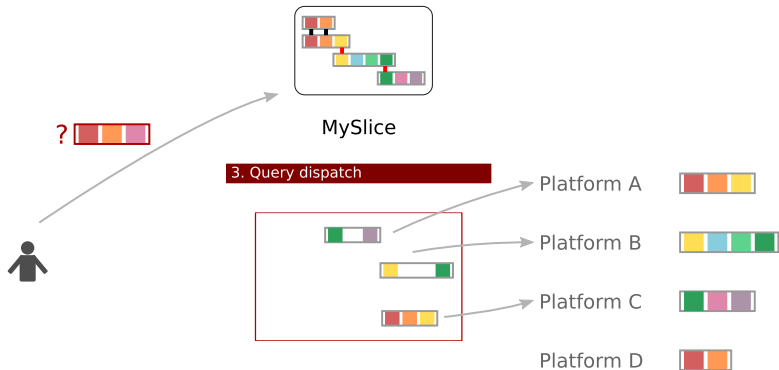
Interconnection framework



Interconnection framework



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