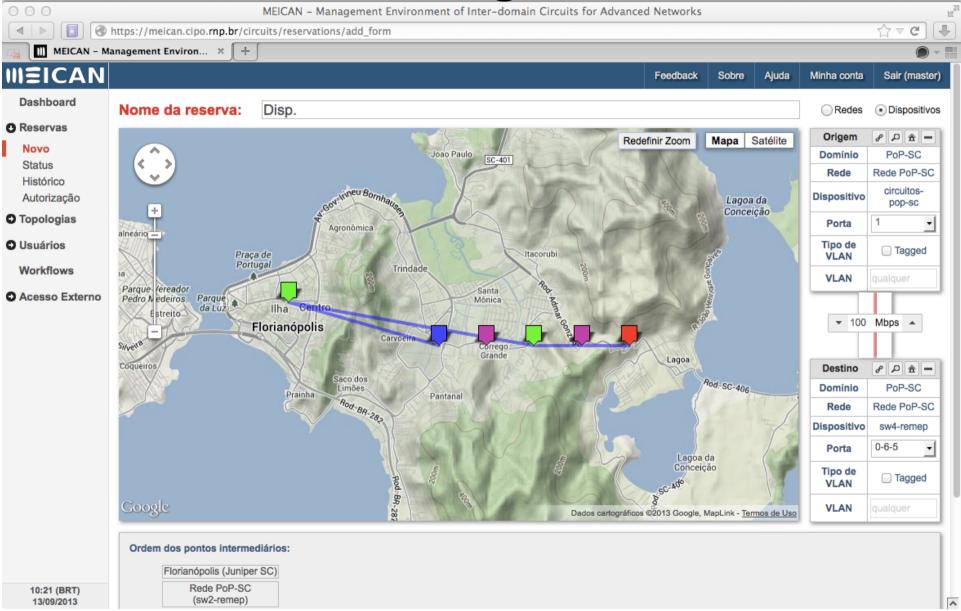


MEICAN

- MEICAN: Management Environment for Inter domain Circuits in Advanced Networks
- Provides a federated front-end for OSCARS
 - OSCARS 0.5 is operational in the Brazilian backbone
 Cipó
 - OSCARS 0.6 supported via a driver developed together with ESnet
- Use authorization workflows to model automate the approval chain when circuits are requested

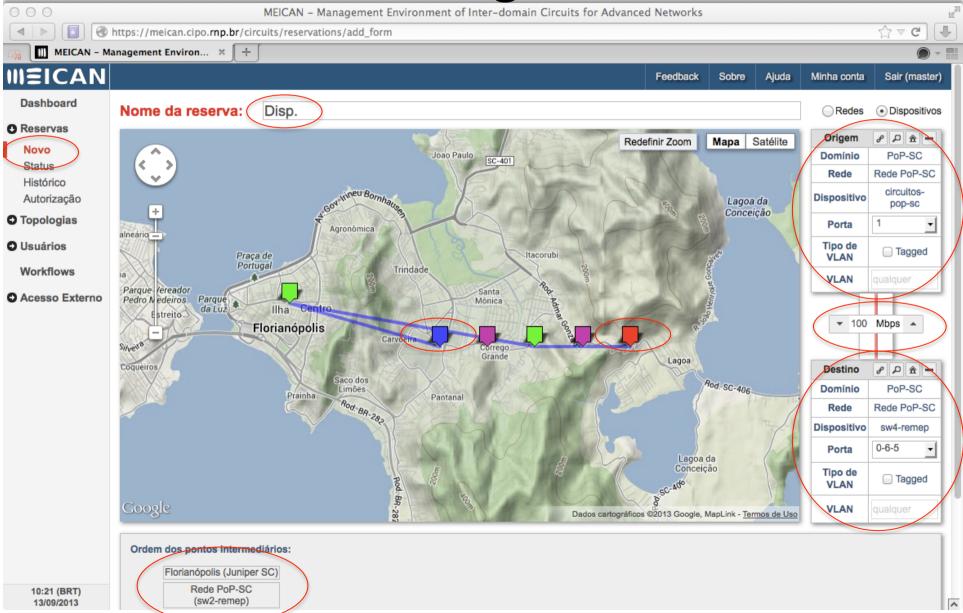


Circuit Provisioning in MEICAN



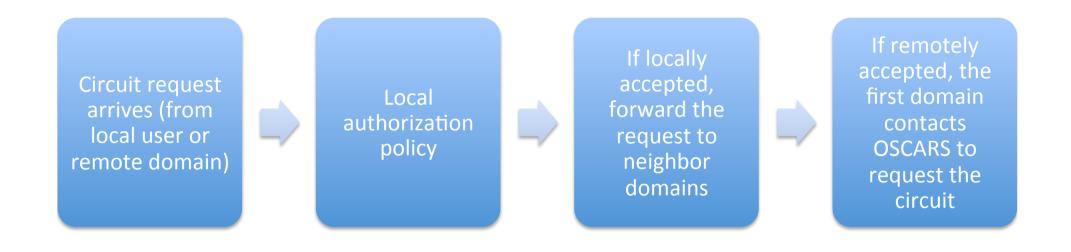


Circuit Provisioning in MEICAN



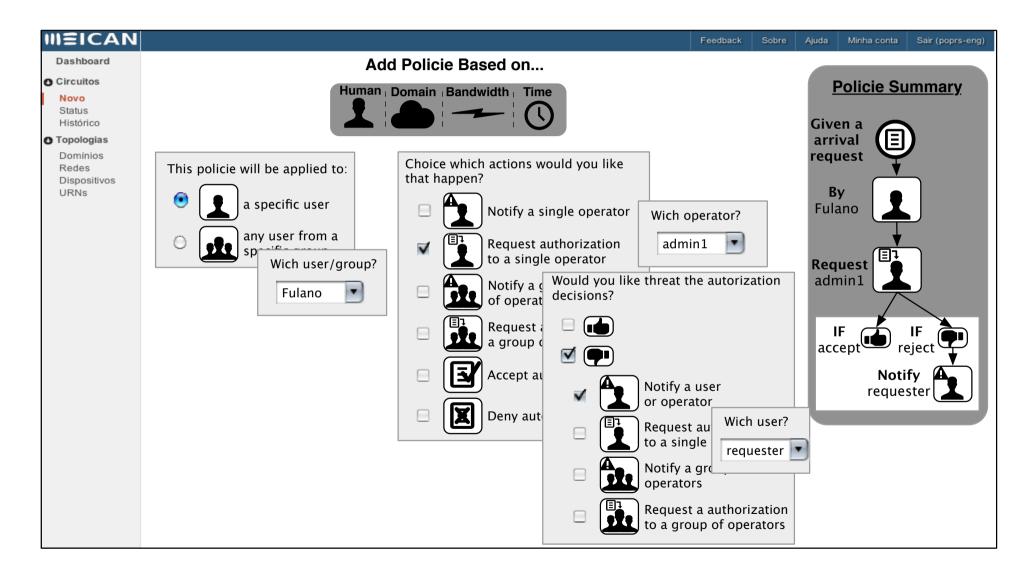


Authorization Flow





MEICAN Workflow Editor





MEICAN Workflow Editor

- Local authorization policies are defined as workflows using this workflow editor. The
 local network operator, using simple icons move the to the inner canvas and connect
 them to create the authorization workflow. I won't present all details of the edition
 itself, but it supports very simple policies, like accepting any request automatically
 (which would be a default optimistic policy) to more complex things like requesting
 teams of operators to all accept a very critical or resource demanding circuit.
- Although some more complex policies can be specified, there are certainly even more complex policies that may not supported by this edition, since our original goal is to provide a very easy-to-use tool, instead of a more complete and wide police language.
- We designed this solution in a way that a single MEICAN instance can control several OSCARS and, thus, network domains. Because policies are stored at the MEICAN level, policies are internally hosted in virtually isolated user spaces, one space per OSCAR instance.
- We believe that the workflow editor is an interesting asset of our system because it allows incorporating more high-level, business-oriented decisions into the process of circuit request and authorization.