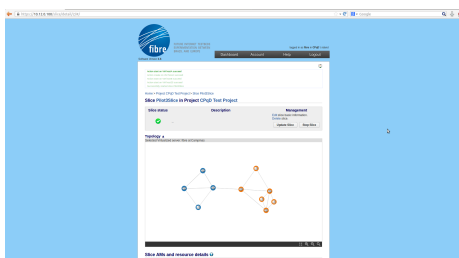




FUTURE INTERNET TESTBEDS
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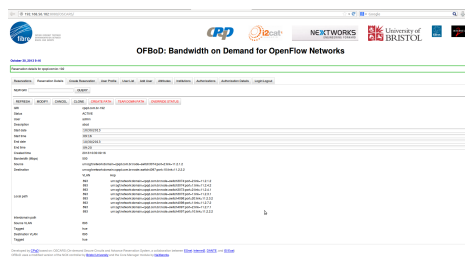


Bandwidth on Demand Application (FIBRE Use Case #3)



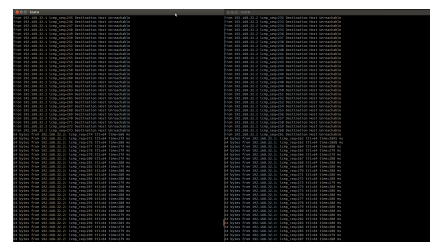
An experimenter allocates a slice consisting of OpenFlow resources and virtual hosts from various FIBRE islands.

The slice use in this demonstration uses resources from CPqD (Campinas, Brazil) and i2CAT (Barcelona, Spain)



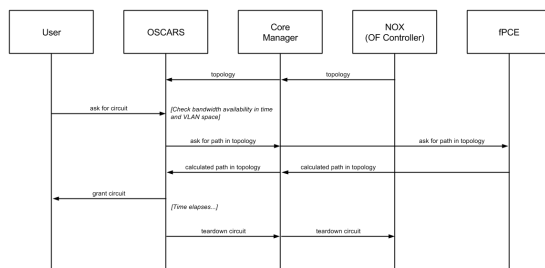
Core Manager and e-NOX abstract the slice and provide services (topology, path calculation, path installation) to OSCARS.

A modified OSCARS implements Bandwidth on Demand on top of these abstractions and exposes a web interface for circuit allocation.



Virtual hosts allocated on the FIBRE island now have a circuit established between them using the underlying OpenFlow topology.

Application architecture



Experimental setup

