

LOOM iControl

September 22, 2014

Requirements

1. Erlang R15B, R16B, R17 - if possible please use R17

Building and running

1. Obtaining LOOM

```
git clone https://github.com/shivarammysore/LOOM.git
```

2. Building

```
cd loom
git checkout tags/oe-0.2
make
```

3. Running LOOM. Start LOOM in console mode:

```
cd icontrol
./rel/icontrol/bin/icontrol console
```

iControl Commands

The readme file provides a list of the commands available from the iControl command prompt. There are some additional commands that were added for the OE work which are not yet included in the readme:

iof:get_features(), iof:get_features(Key) - gets the features reply from the switch.

iof:get_description(), iof:get_description(Key) - gets the description reply from the switch.

iof:ports(), iof:ports(Key) - gets the ports description reply.

iof:oe_ports(), iof:oe_ports(Key) - gets the experimental optical transport ports description reply.

iof:oe_flow_tw(Key, Priority, In, Out, Channel) - creates a flow in table 0 with Priority forwarding all traffic on the In TPort to the Out WPort using lambda Channel.

iof:oe_flow_ww(Key, Priority, In, InChannel, Out, OutChannel) - creates a flow in table 0 with Priority forwarding traffic on In WPort on lambda InChannel to the Out WPort on lambda OutChannel.

iof:oe_flow_wt(Key, Priority, In, Channel, Out) - creates a flow in table 0 with Priority forwarding traffic on In WPort on lambda Channel to the Out TPort.