Goal: Load-balancing requests in unstructured networks

Structured Networks - Easy!
- Symmetric topology
- Administered by service provider

Unstructured Networks - Hard!
- Not designed for load-balancing
- Restricted server placement choices

OpenFlow means...
- Complete control over traffic within the network
- Visibility into network conditions
- Ability to use existing commodity hardware

What we are showing
- OpenFlow-based distributed load-balancer
- Smart load-balancing based on network and server load
- Allows incremental deployment of additional resources

This demo runs on top of the FlowVisor, sharing the same physical network with other experiments and production traffic. This work is supported in part by NSF, Cisco, Deutsche Telekom, DoCoMo, Ericsson, NEC and Xilinx.