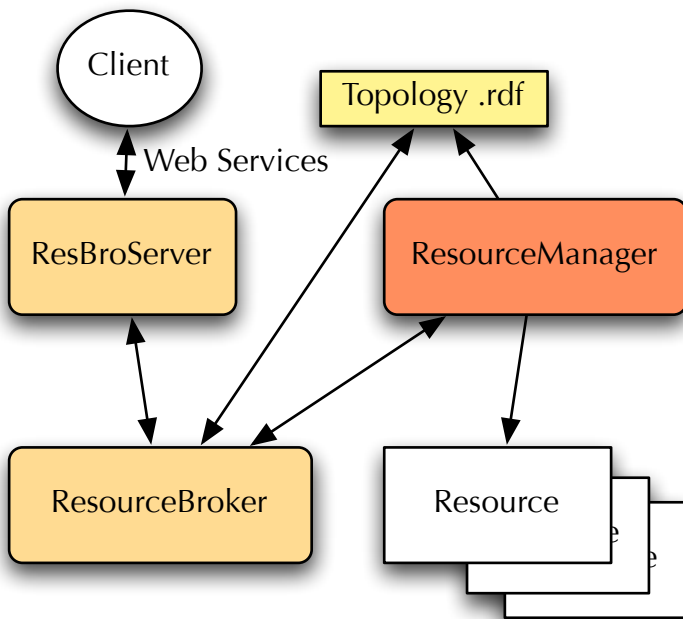


Resource Brokering: Your Ticket Into NetherLight

Application architecture:



Lambda networking allows the creation of application specific light paths.

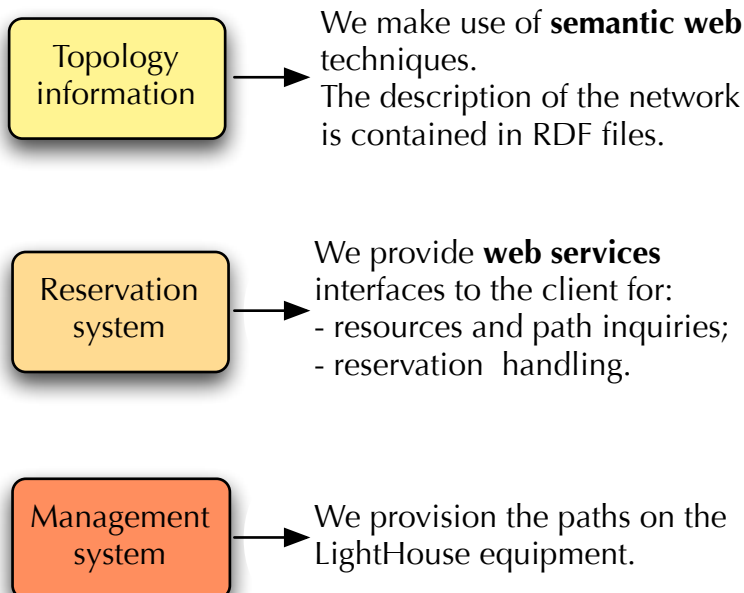
Lambda networking facilities empower users to request services and provision **end-to-end light paths** if and when they need it.

NetherLight, located in Amsterdam, The Netherlands, is one of such facilities.

The Amsterdam **LightHouse** is a joint research laboratory of the UvA and SARA.

Resources in the LightHouse can be used by collaborators to prove the concepts of hybrid networks.

Lightpath setup components:



Semantic web

The Network Description Language, an RDF Schema, describes networks in a standard, interoperable way.

Web Services

A WSDL file describes the interfaces to the service available to clients. Clients can interact with the service directly or via a portal.

Our SC|05 demonstration

We show the setup of dynamic connections between two computing nodes through the LightHouse/ NetherLight Optical Exchange.