Ontology

This page is under construction.

A preview of the ontology can be accessed here:

http://www-iepm.slac.stanford.edu/pinger/lod/ontologyvis/ontologyvis.html

Analysing PingER data

After selecting the section of the data that will be published in RDF, a simple conceptual model was designed based on the PingER data characteristics: each measurement is basically defined by a ping sent from a source (or monitor) node to a destination (or monitored) node, sent in a determined time, and related to a specific network metric. Additionally, the data is accumulated in a historical base within the years and can be used to support to decision making. Data with these characteristics can be modeled using a well-known and studied data model: star schema (Learn Data Modeling, 2012), which the designed conceptual model was based on.
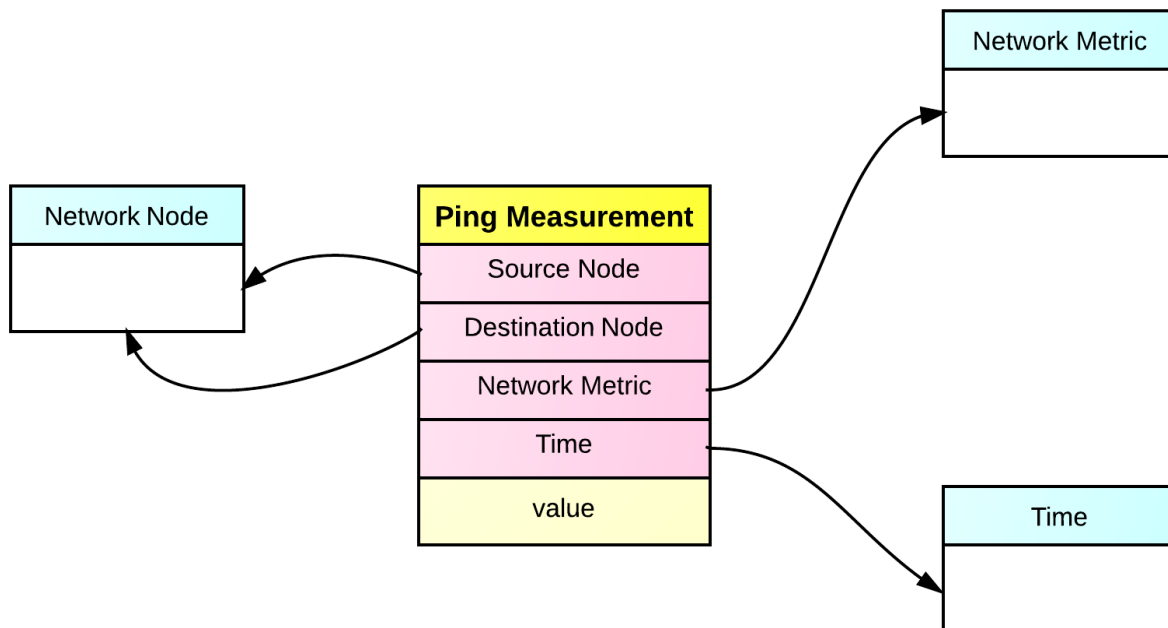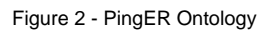
Figure 1 - First sketch of the conceptual model used on the project.

Figure 2 - PingER Ontology