



Project Title:	Semantic Interpretation of Internet Measurement Data
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Project Description:

There is a considerable amount of research activity in the area of monitoring and measuring the performance of the Internet. These research projects have produced a large number of data-sets, many of which are updated regularly and made available to the research community.

At the same time, there is an explosion in the use of the Internet for business critical applications, for example Internet based Virtual Private Networks (VPNs) to connect LANs at remote locations, rather than the traditional leased line solution.

The aim of this project is investigate the use of Semantic Web technology to harness the available monitoring data to give greater insight and visibility of the Internet to the stake holders who depend on it. Applications under development use the Resource Description Framework (RDF), RDF Schema (RDFS) and the Web Ontology Language (OWL) to model aspects of Internet performance. This involves creating OWL ontologies combined with the conversion and federation of data into RDF triple stores.