E-Center: collaborative platform for the Wide Area network users

E-Center provides diagnostic and social tools for network experts and users across the Department of Energy's data networks. E-Center is capable of end-to-end visual path tomography with Layer2 and Layer3 network performance metrics. E-Center is multi-domain Wide Area Network monitoring Data Retrieval Service (DRS) with clean and simple REST web interface. DRS caches data from +300 perfSONAR-PS Network monitoring services (200 million rows a month). E-Center is built as web services collection for ubiquitous Network Monitoring and Anomalous Events Detection. E-Center is place for network users and groups to discuss network problems using the issue tracker and to share ideas and experience in the knowledge base. E-Center provides support for federated Single Sign On, Public and Private Projects.

Architectural Overview

Multi-domain Data Retrieval Service

Social Media Portal
- Site Only's View
- Anomalies Detection
- End-to-End Path Visualization

Future Services (Forecasting, etc.)
- Anomalies Detection, Service (ADS)

Data Retrieval Service (DRS)

Data Collection

Network performance weather map

Dashboard

FNAL status
2013-08-05 00:00:00 - 2013-08-05 03:00:00

Site activity

FNAL to BNL, 2011-06-06 01:00:00 - 2011-06-07 05:00:00

Share and discuss new ideas, projects

A Profile for IPv6 in the U.S. Government – Version 1.0

- Title:
- A Profile for IPv6 in the U.S. Government – Version 1.0
- Date:
- 08/13/2013
- Authors:
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https://ecenter.fnal.gov