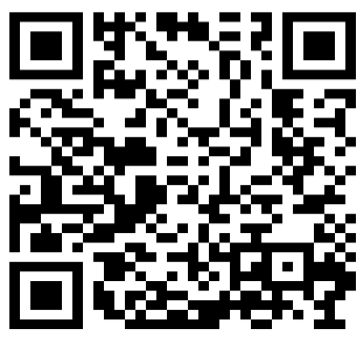


E-Center: collaborative platform for the Wide Area network users



Maxim Grigoriev, Phil DeMar (Fermilab),
 Brian Tierney, Andrew Lake, Joe Metzger (Esnet),
 Prasad Calyam, Mukundan Sridharan (Ohio SC), Michael Frey (Bucknell)



<https://ecenter.fnal.gov>

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.

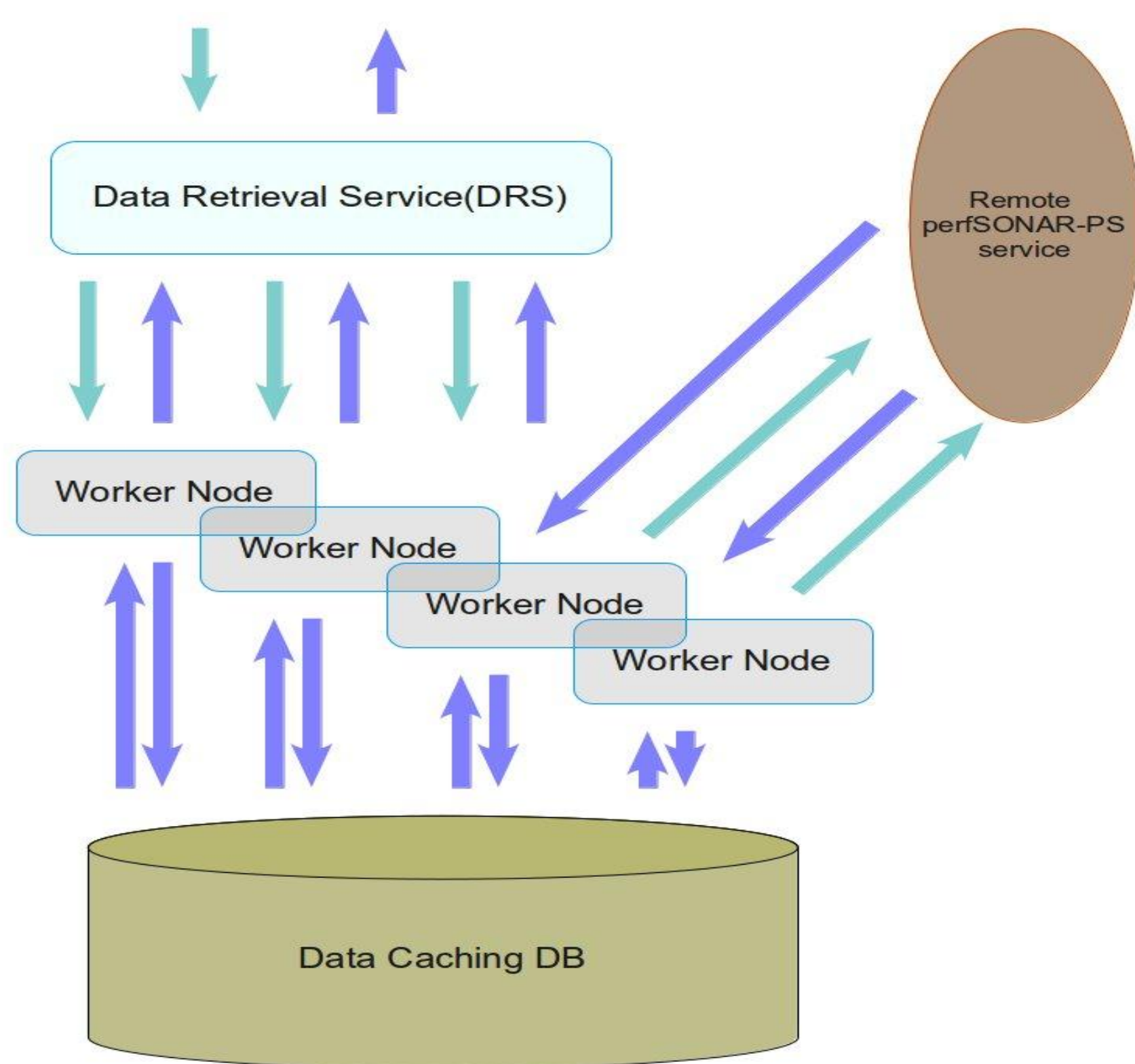
DRS caches data from +300 perfSONAR-PS Network monitoring services (200 million rows a month).

E-Center is built as web services collection for ubiquitous Network Monitoring and Anomalous Events Detection.

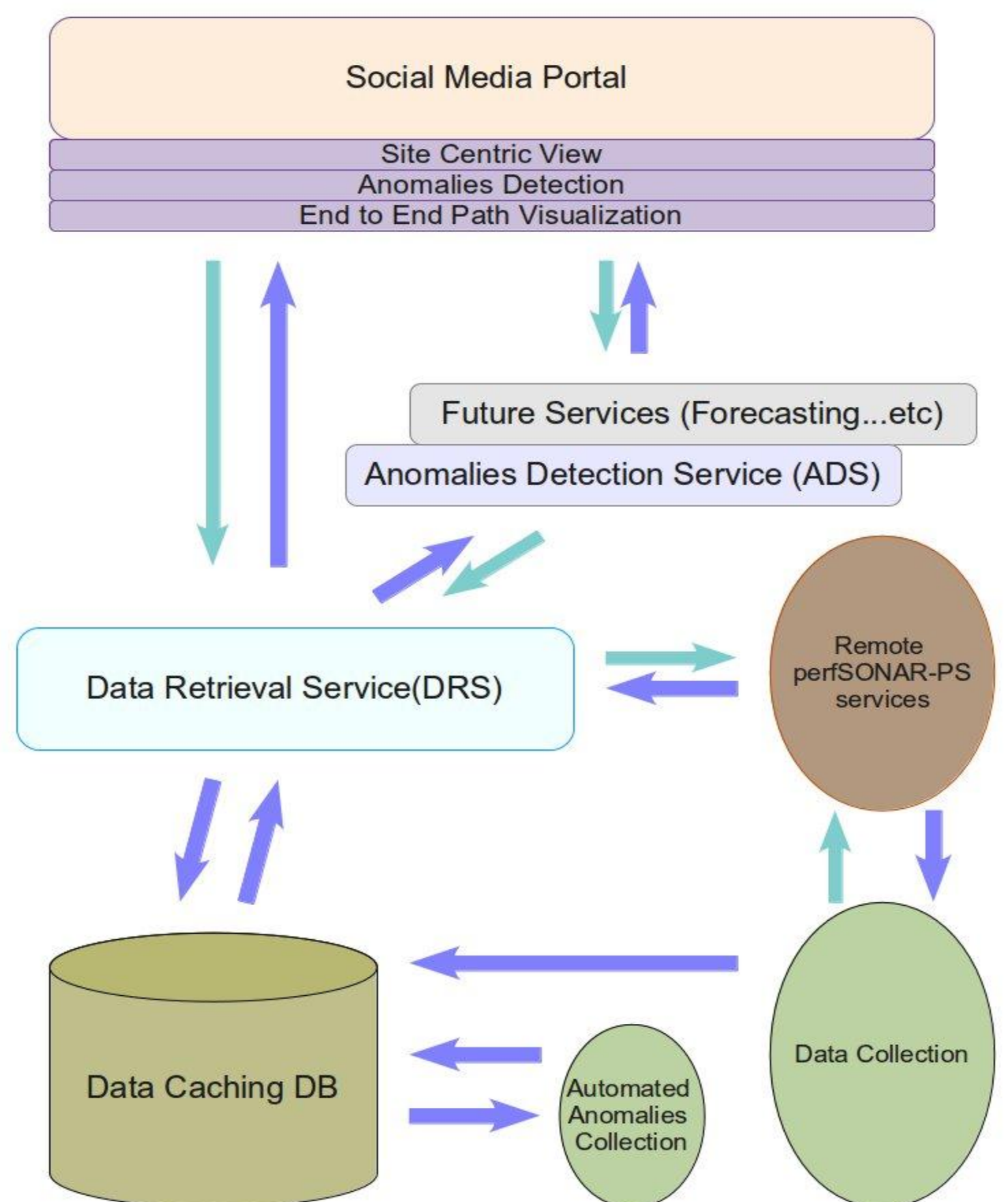
E-Center is place for network users and groups to discuss network problems using the issue tracker and to share ideas and experience in the knowledge base.

E-Center provides support for federated Single Sign On, Public and Private Projects.

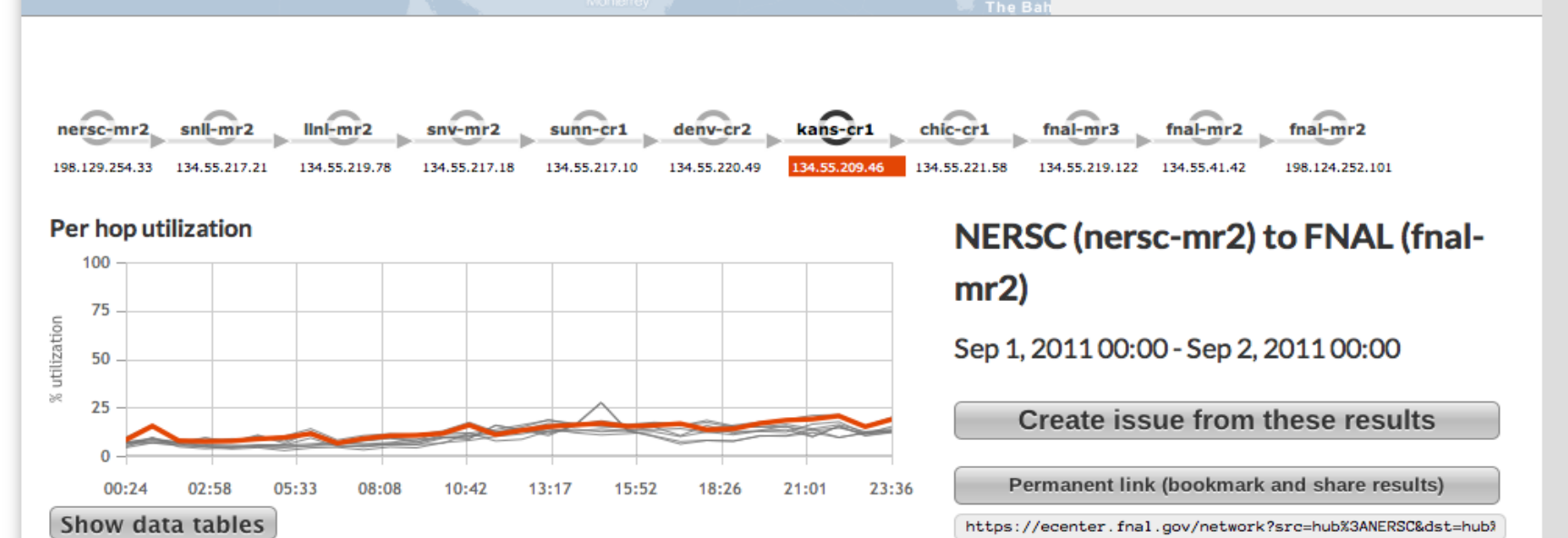
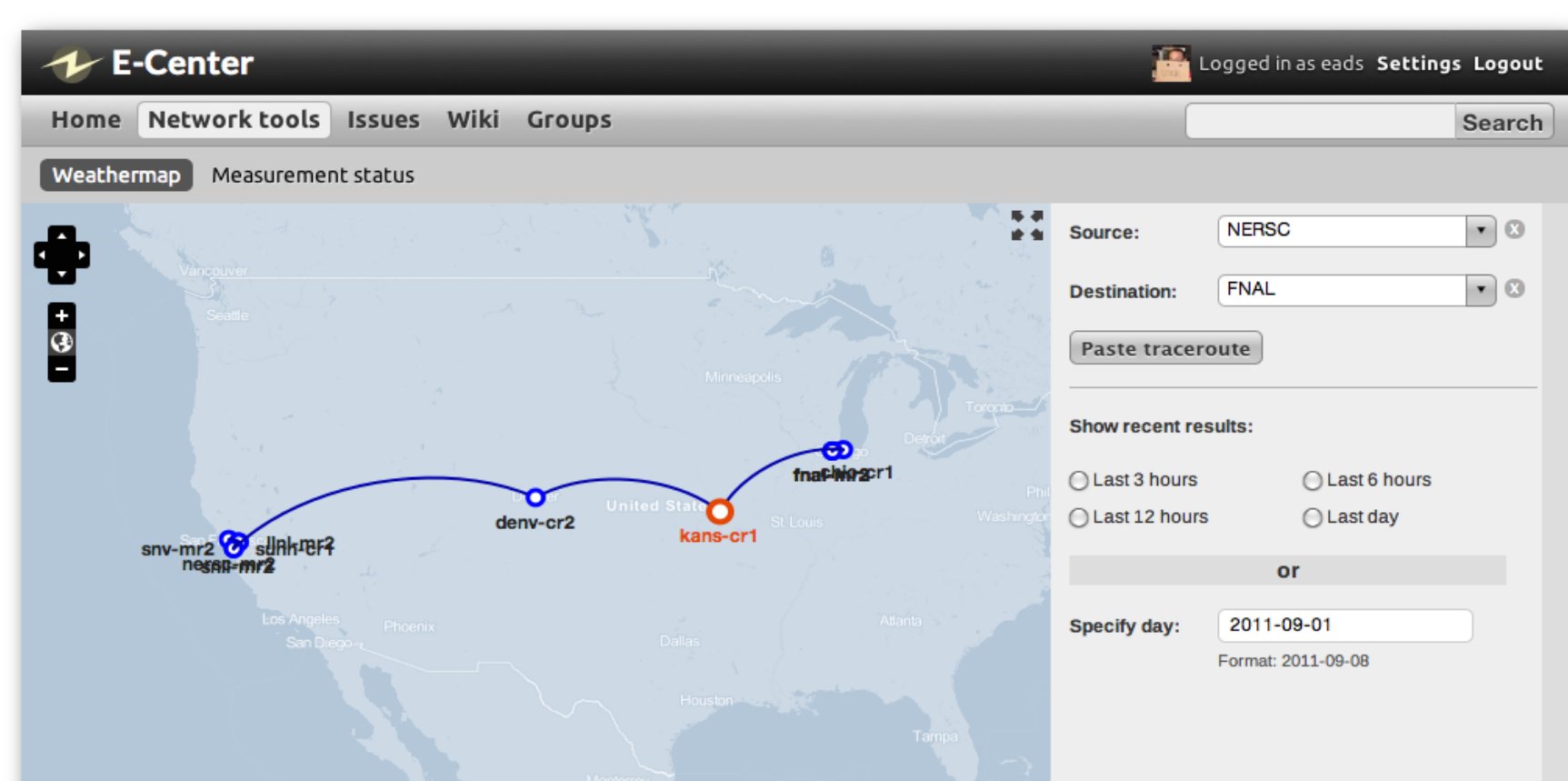
Architectural Overview



Multi-domain Data Retrieval Service



Network performance weather map



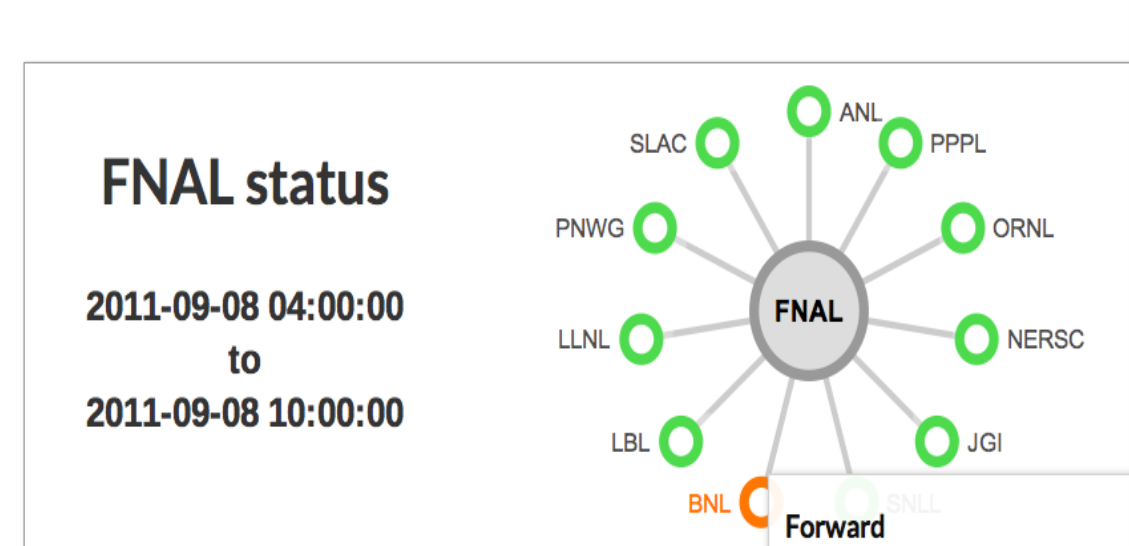
End to end results

Measurement	Average	Max	Min
Forward Throughput	4058 mbps	5508 mbps	10 mbps
Reverse Throughput	4414 mbps	5359 mbps	976 mbps
Forward Duplicates	0	0	0
Reverse Duplicates	0	0	0
Forward Loss	0.0	0.0	0.0
Reverse Loss	0.0	0.0	0.0
Forward Max delay	70 ms	2205 ms	27 ms
Reverse Max delay	154 ms	3830 ms	27 ms
Forward Min delay	27 ms	27 ms	27 ms
Reverse Min delay	27 ms	27 ms	27 ms

FNAL to BNL, 2011-06-06 05:00:00 - 2011-06-07 05:00:00 (UTC)



Dashboard



Site activity

- Activity on the site and in your groups
- Issue FNAL to BNL, 2011-06-06 05:00:00 - 2011-06-07 05:00:00 (UTC) updated by maxingrp
maxingrp wrote: There is a higher than normal one way
 - admin commented on Hello, conference attendees! 3 weeks, 1 day ago
admin wrote: Replied from Outlook web express.
 - Wiki page Data Retrieval Service Specification updated by admin Jul 14, 2011
Log message: Current version is 3.3

Hub status

Hub	snmn	hwctl	traceroute	owamp	pinger
SLAC	Metadata	25			
FNAL	Cached data	11281			
JGI					
BNL					
NERSC					
SNLL					
LBL					
LLNL					
PNWG					
ANL					

Most popular content

- FNAL to BNL, 2011-06-06 05:00:00 - 2011-06-07 05:00:00 (UTC) by maxingrp Issue
Last updated: 1:34pm 9-07-2011
- Hello, conference attendees! by eads Issue
Last updated: 4:20pm 7-14-2011

Share and discuss new ideas, projects

View Edit Revisions WIKI PAGE

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

Body:

NIST Special Publication 500-267: A Profile for IPv6 in the U.S. Government - Version 1.0

Authors:

- Doug Montgomery
- Stephen Nightingale
- Sheila Frankel
- Mark Carson

Tags:

- Groups
- Audience:
- E-Center
- E-Center Administrators
- Fermi National Accelerator Lab (FNAL)
- IPv6
- Pythia

Show this post in these groups.

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Show this post to everyone, or only to members of the groups checked above. Posts without any groups are always public.

Disable rich-text

Revision information

Revision message:

Provide a short description of the changes made to this.