As a benefit of Internet2 membership, you can now take advantage of a new Internet2 Network analytics service that uses DeepField technology (www.deepfield.com) to track, analyze, and model Internet2 Network telemetry. Internet2's DeepField service combines numerous network data sources to produce an unparalleled view of the activity originating from your network.

This cloud intelligence solution will allow you to track, model and visualize your use of the Internet2 Network. Pre-defined reports will help you shape your network, traffic and cloud decisions, and provide information for grant applications, statutory reporting requirement, and a variety of other needs. Custom reports and queries will allow you to drill down and look at specific traffic or use case information.

Internet2 DeepField Service Highlights

- Real-time Cloud Genome™ updates and intelligent, automatic configuration make setup and operation a breeze.
- Deep analytics for demographics, economics, and performance that surpass any DPI solution.
- Powerful backend lets you query for exactly what you want, and exactly how you want to see it.
- Fed by data already passing over Internet2’s Advanced Network services. Standard network telemetry or custom business-oriented datasets; we use it all.
- No new hardware. Zero setup pain now and zero upgrade pain in the future.
- Powerful, beautiful, and user friendly. Brawny, brainy, and easy on the eyes too.

The Internet2 DeepField environment includes an attractive and modern user interface that allows you to view a variety of pre-generated reports specific to your institution. Other advantages include:

- The centralized Big Data processing engine provides an analytics and modeling engine purpose-built for large network and cloud datasets.
- Turnkey configuration for Internet2 members’ view of their Internet2 Network usage using their InCommon credentials.
- Hundreds of “out of the box” standard reports and visualization tools remove the need for the substantial programming resources.

With the Internet2 DeepField Service, you can also access network flow data for inclusion and visualization in third-party applications. For example, you can request an export to .csv format for a particular query, or download data for offline processing. A more-complex report might include...
tracking of Internet2 Network TR-CPS compared to research use, physics data transfers or NET+ service utilization.

HOW DEEPFIELD’S CLOUD INTELLIGENCE WORKS
DeepField Cloud Intelligence is a voracious consumer of network datasets. In addition to basic NetFlow or similar telemetry, the Deepfield service consumes DNSFlow, BGP, iBGP, AAA, and many other real-time and back-office datasets. Upon request, Internet2 can also consider uploading local or custom datasets to let the Internet2 Deepfield Service’s big data engine do the rest.

The DeepField platform looks at all the available data together in context and builds a flexible real-time database with a powerful query web interface (or via a REST API).

The Internet2 DeepField Cloud Intelligence platform is deployed in the Internet2 Network core on servers operated and secured by Internet2. Members do not need to deploy hardware to access the service.

MORE INFORMATION
Internet2 offers use of DeepField as part of your Internet2 membership. To learn how you can take advantage of this offering, email networkanalytics@internet2.edu. You can find more information about DeepField at www.deepfield.com.

Access for individuals at Internet2 member institutions will be coordinated with the Internet2 executive contact at the institution. We will support federated access to DeepField through InCommon. Your privacy and the privacy of your data is important to Internet2.

See our privacy policy at: