

ENDECA FOR CYBER DEFENSE

Your organization's information and operations are increasingly threatened by cyber-attack as automation increases. Endeca's Information Access Platform is a revolutionary tool that can not only increase responsiveness to attacks, but also help analysts proactively identify new attack behaviors. With its patented Guided Summarizations and Relationship Discovery allowing on-demand, visual, and federated exploration of all your security logs, Endeca's Cyber Defense Solution saves time and money investigating possible intrusions. Leveraging the Endeca platform for cyber security is a natural best practice.

Proven results for a diverse set of customers

The Endeca Information Access Platform supports over 500 leading enterprises across an array of industries including Walmart, Putnum Investments, Ford Motor Company, Boeing, and the Defense Intelligence Agency in transforming operations through greater information access. Endeca for Cyber Defense has proven effective at major customers like the Army Computer Emergency Response Team (ACERT) and the Joint Task Force for Global Network Operations (JTF-GNO) with several distinct benefits:

- ◇ Enhanced ability to trace across multiple networks and systems
- ◇ Shorter response times
- ◇ Decreased on-site travel costs
- ◇ Proactive monitoring of online hacker sites

The reason is because Endeca adapts information to people, which drives better visibility and informed decision-making even against some of the most distributed and unfriendly content.

Key Features

Data federation centralizes analysis

Endeca's revolutionary MDEX engine handles structured and unstructured data from any number of sources with a flexible, self-describing data model. No longer does your enterprise need to chase the impossible task of creating a huge data warehouse copy of all your security information in order to quickly analyze across systems and nodes. Endeca deploys as easily as a search engine – just point out of the box data source adapters for everything from delimited log files to databases to email and CMS systems at your content and start using the federated index!

Guided Navigation puts the information in context

Endeca invented Guided Navigation, an adaptive user experience that reveals relationships that keep information in context. The resulting exploration and discovery satisfies users' goals and increases effectiveness. For example, an analyst alerted to a possible intrusion might first browse to the targeted machine's logs, then filter to only traffic after the start of the intrusion. Endeca would not only present the analyst with all the results requested, but also summarize the network protocols, affected applications, source IPs,

alarms, and any other contextual metadata. The analyst might then quickly notice an unauthorized application running without even having to read through the results, and can jump right to related information with a single click. Any path a user picks is dynamically contextualized (even visualized with charts, GIS and other interactive displays), enabling faster result comprehension and refinement filtering. Supporting every one of these paths for every goal for every user means literally billions of combinations. It takes Endeca's MDEX Engine™ technology to deliver an experience that encourages users to traverse more information by giving them greater control.

Content enrichment creates a differentiated experience

Often relationships need to be established where none exist. For example, relevant documents and emails should appear in context with data from compliance systems. Endeca's technology derives these explicit relationships from meta-data in the content or, where necessary, from the text in the content itself. The resulting experience is the most effective way to achieve a complete investigation of data and information.



Superior search

Unlike other “black box” search vendors, Endeca’s results are configurable and transparent. Users can easily create the most effective experience, returning only relevant results and dramatically reducing “no results found.” Additionally, data-driven spell correction and did-you-mean functionality gives users valid paths and suggestions to get them to the right information, right away.

The Endeca Information Access Platform

Endeca for Cyber Defense is based on the unique Endeca Information Access Platform. The key is an architectural capability called adaptivity which turns chaotic information into adaptive interfaces. Adaptivity delivers every view for every step of every user path, even through erratic data and content. This capability supports solutions ranging from intranet search to eDiscovery to analytics. All of these solutions stand on five core platform pillars:

MDEX Engine Technology

Endeca’s patented meta-relational architecture, powered by MDEX Engine technology, provides adaptive user interfaces because it reveals the relationships in the data and content that encourage exploration and discovery. We call this the Guided Navigation experience. This means that

users find the information they are looking for with greater flexibility and certainty. The resulting rise in acquisition of relevant content increases efficiency and reduces discovery costs.

Information Transformation Layer

The Information Transformation Layer enriches information by uniting disparate sources while maintaining, augmenting and creating relationships across the data and content. Adaptive indexing pipelines let application developers exploit these relationships in ways that databases and content management systems cannot. This creates value in existing and future content investments.

Data-driven application components

Endeca’s Data-driven Application Components enable the rapid development of rich applications by pre-packaging capabilities that automatically adapt to changes in the data and content. With Endeca’s modular API, application developers can make simple calls to sophisticated engine behaviors. The result is faster time-to-market for critical functionality.

Web-based management suite

Endeca’s Web-based Management Suite empowers managers to present the right

content at the right time through adaptive presentation rules. Administrators can easily turn business logic into high leverage rules and get closed loop reporting on the rules’ effectiveness. This power promotes previously hidden and better-qualified content to users.

Enterprise-class platform

These essential capabilities are delivered as an enterprise-class platform, with the scalability, reliability, and security that leading businesses demand. Endeca delivers cost-effective, rock solid performance in even the most demanding environments.

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