

McAfee Data Protection for Energy

Find, classify, and secure data to prevent loss and theft and fulfill regulations



What if details on your latest exploration results or clean energy breakthrough were leaked to a competitor? What if your customer and employee databases were copied by a contractor? Whether your business is energy exploration, generation, or distribution, upgrade your data controls to advanced, flexible solutions from McAfee. Our reliable solutions can guard the sensitive and proprietary data at the core of your business.

Supply chains, contractors, and other extended business relationships are crucial to allow energy companies to move from ideas and exploration to production and distribution. However, this extended ecosystem creates extensive data loss risks. The distributed, complex workforce and operations of most energy companies make it nearly impossible to catalog, let alone lock down, all sensitive and proprietary data.

Historically, energy sector data protection concerns have centered on accidental loss or sharing of sensitive data. Email filters and laptop encryption were considered good enough for safeguarding personally identifiable information (PII) like credit card and account information. Yet these protections aren't sufficient. In 2010, 76 percent of energy companies polled suffered one or more data breaches at an industry average cost per record of \$259.¹

And today's regulation, competition, and growing cyberattacks have only made data protection more complex. Now, energy companies need refined, automated protection that:

- Helps you better understand the true risks to your critical assets
- Simplifies design and implementation of appropriate, automated controls
- Enables you to avoid stiff penalties by showing compliance with NERC, FERC, ITAR, SOX, GLBA, HIPAA/HITECH, and privacy regulations
- Deploys easily with turnkey appliances and automated capture

Explore for your "Crown Jewels"

To block the escape of "crown jewel" data, whether through espionage, error, or insider action, you first need to locate your data on endpoints, file shares, and email and database servers. Next, you can decide what the risks and legitimate business uses are and determine how to protect it. McAfee Data Protection solutions support custom file signatures to help you track unique, proprietary file formats as well as source code, diagrams, and structured data throughout your network:

- Find high-value exploration data, plant designs, and production figures
- Uncover the data that matters by looking into the content itself—what type it is, who owns it, how it's used, who uses it, and when it's used
- Evaluate what data to protect, recognizing that every group handles different data and has a different opinion of what is valuable

Energy Data Protection Challenges

- High-value proprietary data and PII include specialized formats such as energy exploration data, plant designs, and production figures
- Data protection systems cannot interfere with system uptime
- Distributed, complex organizations make it difficult to find sensitive and at-risk data and regulate its use
- Penalties for noncompliance with NERC, FERC, ITAR, SOX, GLBA, HIPAA/HITECH, and state and national privacy regulations
- Pervasive, targeted attacks by sophisticated cybercriminal organizations, evidenced in Stuxnet and Night Dragon

"76 percent of [utilities and energy company] respondents' organizations have suffered one or more data breaches during the past 12 months."

—2011 Ponemon State of IT Security Study of Utilities and Energy Companies

1. Ponemon Institute: 2011 State of IT Security Study of Utilities and Energy Companies; 2010 Annual Study: U.S. Cost of a Data Breach

“When we had a restructuring, we had to move fast to understand, find, and protect privileged data so departing employees would not take confidential data with them. McAfee helped us analyze our risks, act with alacrity, and secure our data.”

--CISO, Top 5 mining and crude-oil production company

McAfee Advantages

Capture technology

Our DLP solution protects your data more completely and quickly than any other DLP solution. It provides an easy way to analyze historical usage of data across your organization, which enables you to discover unknown risks and anticipate future risks.

Consistent protection

Tightly integrated components let you set policy centrally and enforce policy uniformly across all data loss threat vectors—on the network, in storage systems, and at the endpoint.

Modular and open

Start protecting where your risks are now and expand coverage as needed. McAfee Data Loss Prevention integrates with McAfee ePO, encryption, and email and web gateways, as well as third party SMTP compliant MTAs, ICAP compliant web gateways, and leading DRM solutions.

Getting started is easy

Rack pre-integrated, hardened appliances, choose from pre-configured policies, and start protecting your data today.

Construct effective policies easily

McAfee data protection solutions are modular yet integrated. Start where you need to and add on as business demands evolve.

- Design policy-based controls that everyone in your organization can live with
- Refine policies and start generating the reports needed to pass any audit
- Establish a baseline of normal operations so you can recognize anomalies
- Safely test what impact a new rule might have, without disrupting users or delaying implementation with trial and error

Enforce control and compliance while enabling business

Whether you want to discover data, monitor its use, or prevent breaches, McAfee helps you add the right amount of control everywhere, without driving up cost and complexity.

- Protect data from the database to the endpoint and beyond through the enforcement of rules like encryption and blocking
- Enforce data protection policies at web and email gateways to prevent leaks
- Use roles and network segments to accomplish data separation between internal organizations, like IT and control systems, or generation and trading
- Patrol data leaving the host or the network to ensure your sensitive information isn't leaking out through Wi-Fi, mobile devices, or email
- Equip investigators to review actual data usage and search for any type of data without rescanning or relying on predefined rules
- Enable open and confidential communication throughout your business and with contractors and supply chain partners, across PCs and Macs

Get started today

Sign up for a McAfee Data Risk Assessment at <http://mcaf.ee/48hdra>. Qualified applicants receive a custom C-level report and risk dashboard reflecting their organization's current data loss risk. Both in the network and on the endpoint, McAfee can help you discover your data, monitor its usage, and apply policies to prevent its loss.

