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Amateurs hack systems, professionals hack people.

Build the human firewall!



Mihai GHITA - Q-East Software

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# Data breach

- A **data breach** is the intentional or unintentional release of secure information to an untrusted environment.
  - **Trusted environment:** The departure of a trusted staff member with access to sensitive information can become a data breach if the staff member retains access to the data subsequent to termination of the trust relationship.
  - **Data privacy:** Most such incidents publicized in the media involve private information on individuals. Loss of corporate information is frequently unreported in the absence of potential damage to private citizens, because publicity around such an event may be more damaging than the loss of the data itself.
  - **Insider versus external threats:** Those working inside an organization are a major cause of data breaches.
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## Data breaches in 2013 from outside



- **LivingSocial**  
Daily-deal website LivingSocial confirmed that its computer systems were hacked, resulting in “unauthorized access.” The company updated its password encryption method after the breach.
  - **Washington state Administrative Office of the Courts**  
After the public website of the Washington state Administrative Office of the Courts was hacked, sensitive data of individuals whose cases were making their way through the state court system was compromised.
  - **Evernote**  
The popular note-taking software service Evernote had to reset the passwords of all of its 50 million users following a network breach.
  - **Drupal.org**  
The servers of the open source content management platform were hacked, and the sensitive information of close to one million accounts was stolen.
  - **Federal Reserve internal site**  
The Fed admitted that hacking collective Anonymous breached one of its internal websites, accessing the personal data of 4,000 bank executives.
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## Security and risk impact from the inside

**14%**

The number of outages caused by well intended insiders

**47,000**

Threats across organizations in 2013

**69%**

The number of insiders responsible for threats

**31% Admins**

Make up the largest number of insider threats across large organizations

**365 days**

Organizations need to be compliant and maintain internal policies

**75%**

The number of organizations that have to adhere to more than one compliance or departmental requirement

**1 in 5**

Customers would stop doing business with a bank, credit card co. or retailer after a security breach

**10%**

Would also tell friends and family not to do business with the breached organization

**44 Million**

The number of compromised records in 2013

# Security and risk impact from the inside

- The User



- Privileged User
- The Guru
- The DBA
- The Sysadmin



- External contractors
- The freelancer
- Outsourcing support resource



## The truth about data breaches

- 79% of attacks are opportunist – Most attacks are actually unsophisticated.
  - 96% of attacks are motivated by financial or personal gain – Criminals want money.
  - **97% of data breaches could be avoided** by simple or intermediary controls – Simple vulnerabilities such as easy-to-guess passwords, or **toxic rights combination** are one of the most common exploits used by cyber criminals.
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## Dell Software's Six Steps for Data Access Governance

**Discovery**

**Classify**

**Assign**

**Audit**

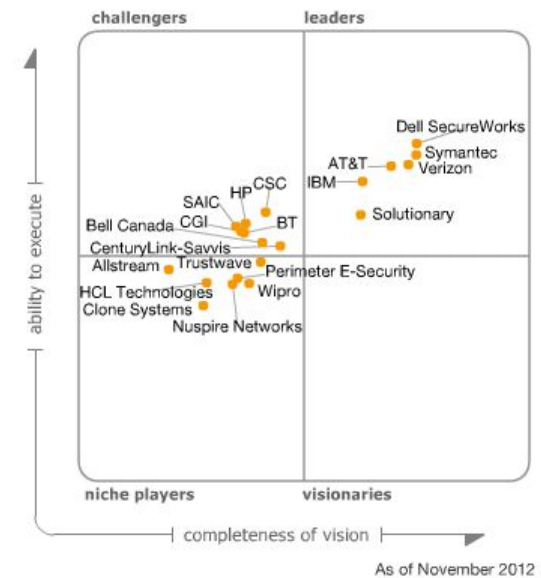
**Automate**

**Secure**

Discover, assess and assign ownership of multi-platform data to address the root of the challenges and then secure your environment moving forward with change monitoring, compliance reporting and dashboards for the business owner.

# The Power to Do More

- Dell (Quest) Software makes it easy to securely manage and protect applications, systems, devices and data to help organizations of all sizes fully deliver on the promise of technology.
- What is not so well-known however ... Dell Software is recognized as a leading Managed Security Service Provider (MSSP).






Performance Information and Tools

Control Panel Home

- Adjust visual effects
- Adjust indexing options
- Adjust power settings
- Open disk cleanup
- Advanced tools

### Rate and improve your computer's performance

The Windows Experience Index assesses key system components on a scale of 1.0 to 9.9.

Component	What is rated	Subscore	Base score
<b>Processor:</b>	Calculations per second	9.9	 Determined by lowest subscore
<b>Memory (RAM):</b>	Memory operations per second	9.9	
<b>Graphics:</b>	Desktop graphics performance	9.9	
<b>Gaming graphics:</b>	3D business and gaming graphics performance	9.9	
<b>Primary hard disk:</b>	Disk data transfer rate	9.9	

View and system in

Your scores are current  
Last update: 1/18/2013 3:59:12 PM

See also  
Action Center


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<b>Gaming graphics:</b>	3D business and gaming graphics performance	1.0	
<b>Primary hard disk:</b>	Disk data transfer rate	9.9	

View and print detailed performance and system information

Your scores are current  
Last update: 1/18/2013 3:59:12 PM

Re-run the assessment

See also  
Action Center

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Thank you

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