

Do You Know Where Your Data Is? When Your University Moves its Data Center into the Cloud

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The Washington Post

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Payment Processor Breach May Be Largest Ever

A data breach last year at Princeton, N.J., payment processor Heartland Payment Systems may have compromised tens of millions of credit and debit card transactions, the company said today.

If accurate, such figures may make the Heartland incident one of the largest data breaches ever reported.

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05 Target Hackers Broke in Via HVAC Company

FEB 14

Last week, **Target** told reporters at *The Wall Street Journal* and *Reuters* that the initial intrusion into its systems was traced back to network credentials that were stolen from a third party vendor. Sources now tell KrebsOnSecurity that the vendor in question was a refrigeration, heating and air conditioning subcontractor that has worked at a number of locations at Target and other top retailers.

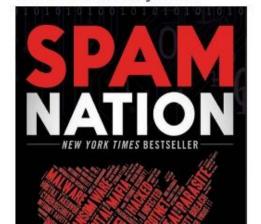
Sources close to the investigation said the attackers first broke into the retailer's network on Nov. 15, 2013 using network credentials stolen from Fazio Mechanical Services, a Sharpsburg, Penn.-based provider of refrigeration and HVAC systems.

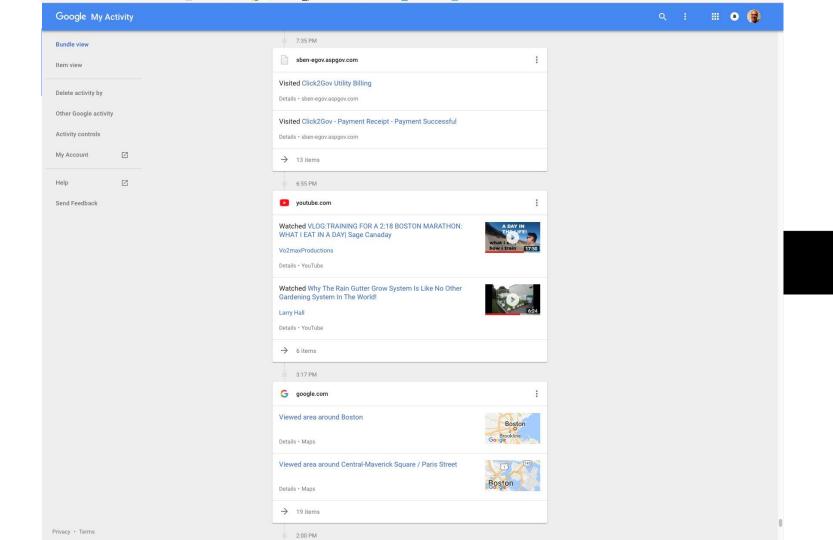
Fazio president Ross Fazio confirmed that the U.S. Secret Service visited his



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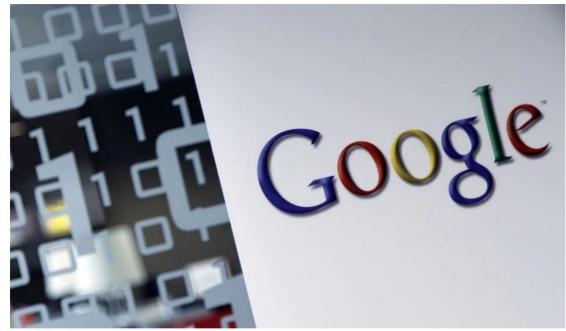
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Gmail will no longer snoop on your emails for advertising purposes

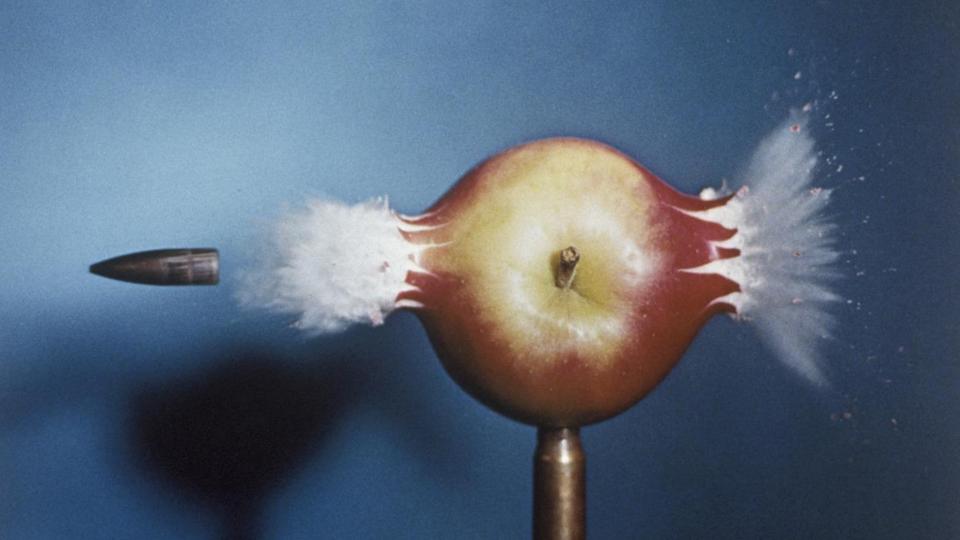
By Brian Fung June 26, 2017 Email the author



(Virginia Mayo/AP)

Google is making a change to its advertising practices that will affect millions of Gmail users around the globe. Starting later this year, the company will stop reading your emails to refine its ads.

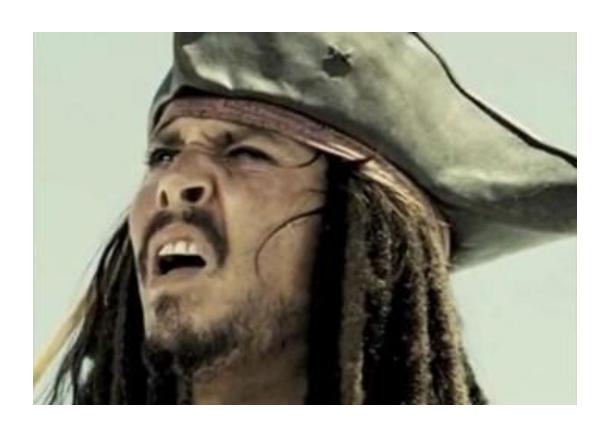








What is the "cloud"?







Software as a Service - SaaS



Platform as a Service - PaaS



Infrastructure as a Service - laaS

₩.

Reasons to Go Cloud

- Lower Your Costs* and Capital Expenditures
- Modernize IT
- Scalability
- Agility
- Disaster Recovery and Business Continuity
- Superior Engineering
- Optimize IT Staff Resources



Creating Notre Dame's CLOUD FIRST IT future

WE NEED WHAT THE CLOUD OFFERS



Funding and staffing remain **CONSTANT**

We must find **NEW WAYS TO EXCEL** in delivering IT services



Software as a Service (SaaS)

Platform as a Service (PaaS)



Leverage high quality commodity

solutions

Why SaaS & PaaS?



Maximize time spent to address unique ND needs

Why laaS?

What **Cloud First Means For** YOU





to the most





Infrastructure as a Service (laaS)

0n-**Premises**

> We will only turn to on-premises





Pay only for the resources we use





Avoid managing multiple physical data centers

Why Amazon Web Services For laaS?



Most advanced data centers in the world



Proven pace of innovation



Relentless focus on customer success





We will 80% of Notre Dame IT services into the cloud by Dec 31 2017

ND already has more than 100 IT services in the cloud.

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Cloud Strategies

Get In Front Of It

Have a Plan

Policy and Standards

Leverage Existing Processes

Procurement

Licensing and Contract Reviews



Cloud Strategies

Seek Help

Peer Institutions

Buy Help





SaaS - Dining Out

Assessments

In-house

Ratings Service

Prioritize by Data Classifications

Know Your Restaurant



laaS - Top Chef

Watch Your Costs!

Overconsumption

Decommissioning

3rd Party Tools

Grow and Retrain Staff

Give Everyone a Seat at the Table



Thank You