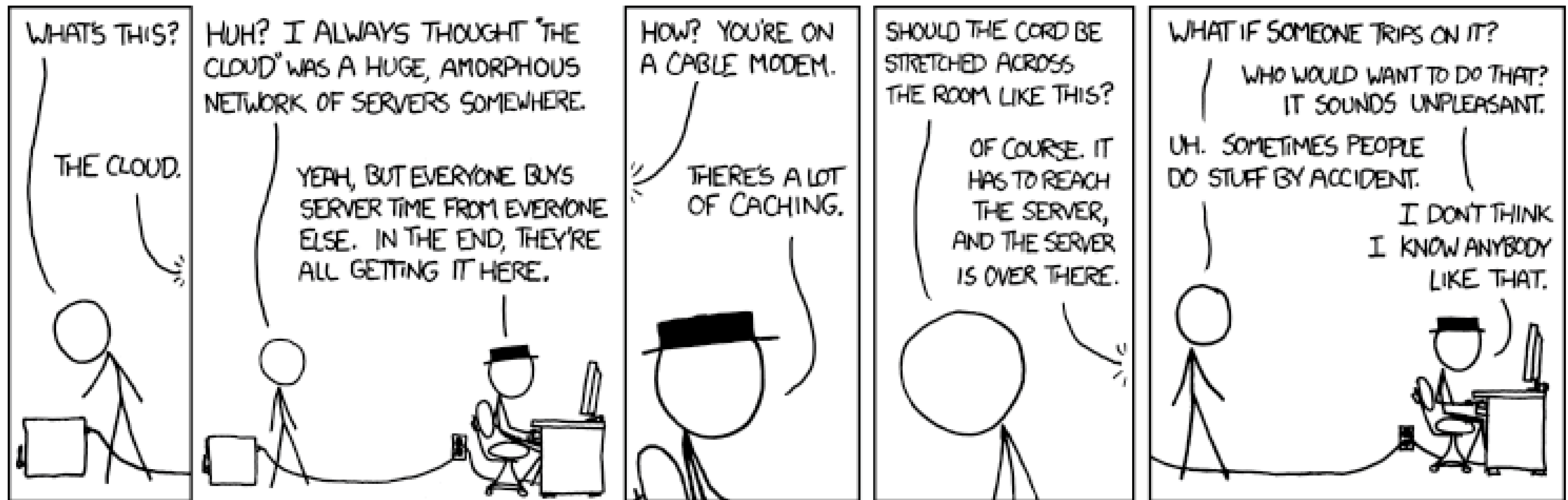


Security in Cloud SLA: current status of play and ongoing development



CIRRUS Final Event

@ The things we would all like to avoid... having proper SLA in place...



Source: <http://xkcd.com/908/>



...based on our experience

Past

STORAGE

10/15/2013
03:44 PM

The Nirvanix Failure: Villains, Heroes and Lessons



Howard Marks
Commentary

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The Nirvanix collapse reads like a saga with villains, heroes and lessons that we all should learn from the implosion of the cloud service.

It's been instructive to watch Nirvanix's hasty -- and to my mind unnecessarily messy -- exit from the cloud storage market. As with any other saga, the Nirvanix story has villains, heroes, innocent (and not-so-innocent) victims, and lessons learned.

I saw more than one commentator on Twitter ask what the big deal was -- after all, vendors go out of business all the time. The difference is that when your array vendor goes belly up, you still have the array; when your public cloud vendor closes, you lose access to your data.

Vendors such as Iron Mountain have closed their cloud storage services, but they've given customers plenty of notice so they could find replacement services and move their data. Nirvanix gave customers less than a month's

Present

Apple denies iCloud breach in celebrity nude photo hack

By Jacob Kastrenakes on September 2, 2014 02:41 pm Email @jake_k

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Apple says that the mass theft of nude celebrity photos that were released over the weekend did not occur because of a breach in any Apple systems, including iCloud. Apple says, however, that



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@ Security is not a trivial matter

- Customer education
- Flexibility and changing face of the industry
- End user experience



Source: <http://search.dilbert.com/comic/Security>

Challenges



@ Not so trivial issues

Safeguards

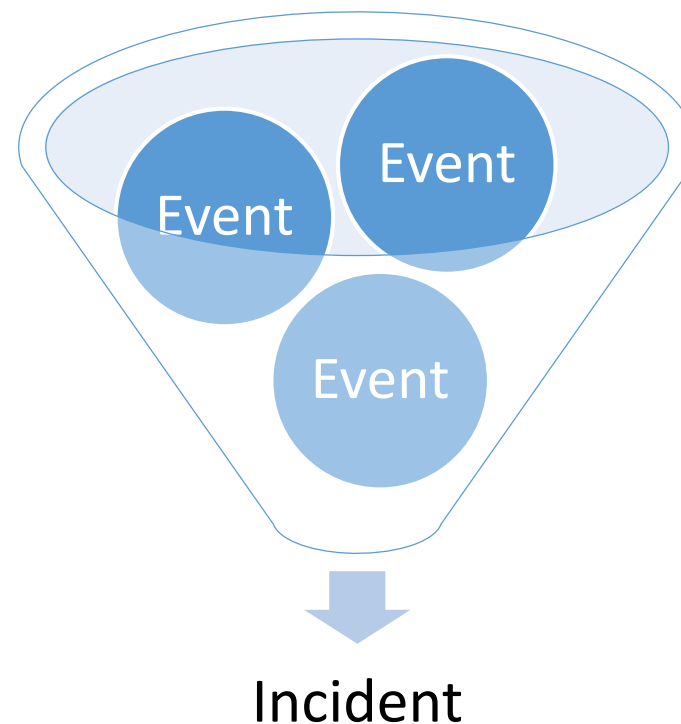
- SLA and list of security controls / SLOs:
 - Availability & DDoS protection
 - Authentication & authorization
 - Cryptography
 - Backups
 - **Physical locations**
 - Many other...



Not so trivial issues

Monitoring, logging and correlation

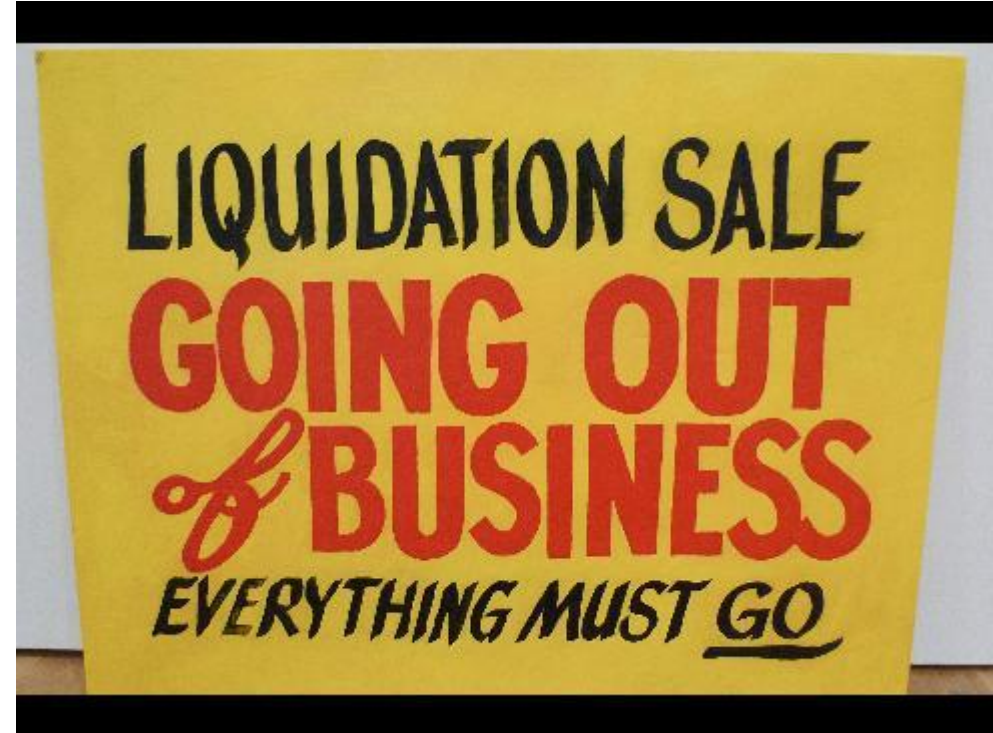
- Defining proper SLOs:
 - Logging – formats, access
 - Events – types
 - Time synchronization
 - SIEM & event correlation



a Not so trivial issues

Your CSP is quitting...

- SLA and going out of business
 - What is your exit strategy?
 - Is it still valid?
 - Are the resources still there?
 - How to **securely** transfer your data out?
 - What about metadata?
 - What about compliance?





Information and Network Security

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