



Why Tech Transfer is Critical: Are You Ready for WE?

Peter Kuper February 25, 2015





15 Years Wall Street Analyst

So I know how to BS with the best of them

5 Years IQT

So I've heard the BS from the best of them

6 Years Advisor to DoE Lab

So I've seen the best of both (BS and real deal)

 $M \times M$



www.m.w.w.m.m.y.m.

It Used To Be This



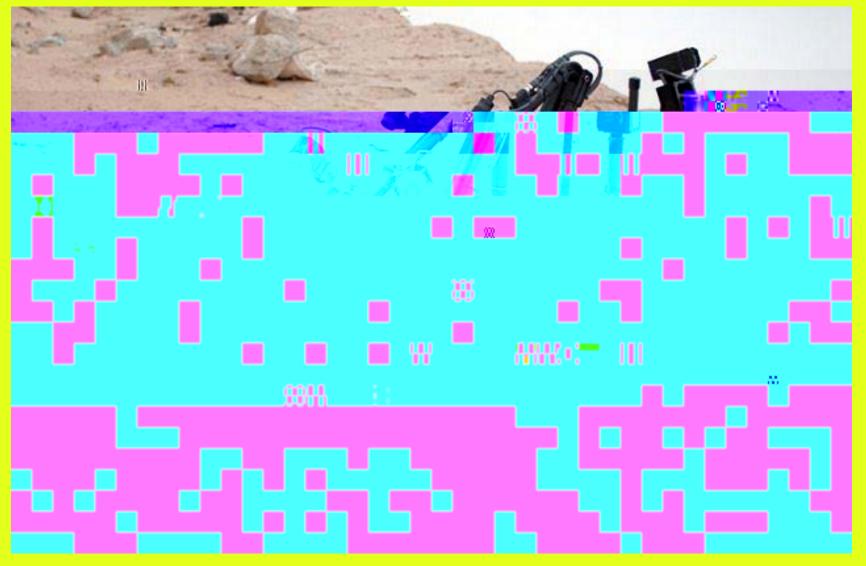
n n**a** llaskon**a**nna nor n M

_ II III W

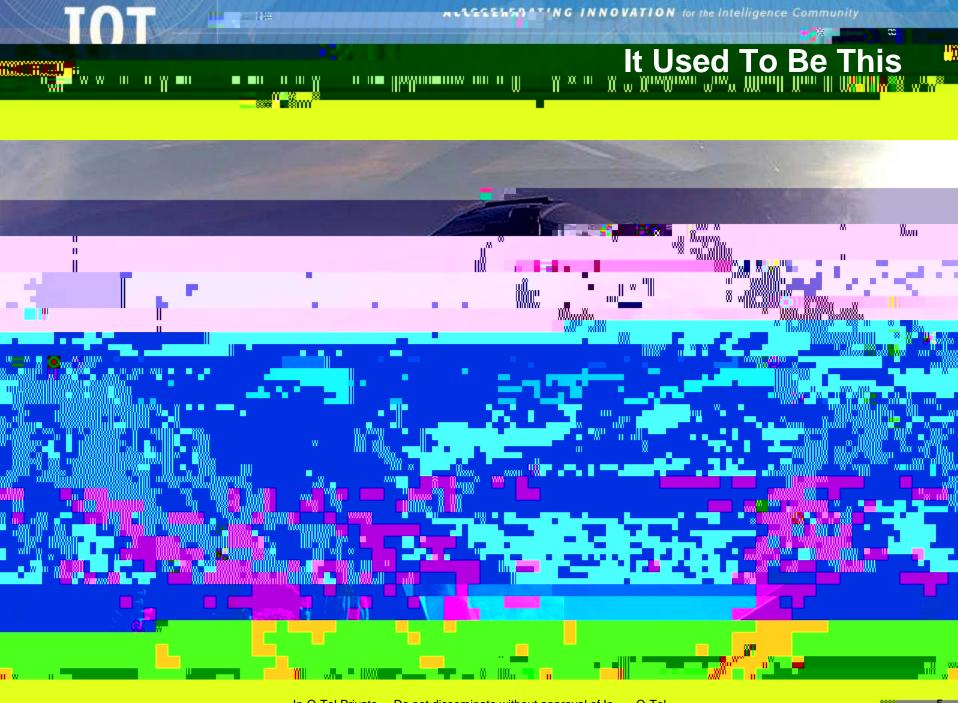
W × III



But Now It Is This



n n**a** Hallon**a**nna nu n M





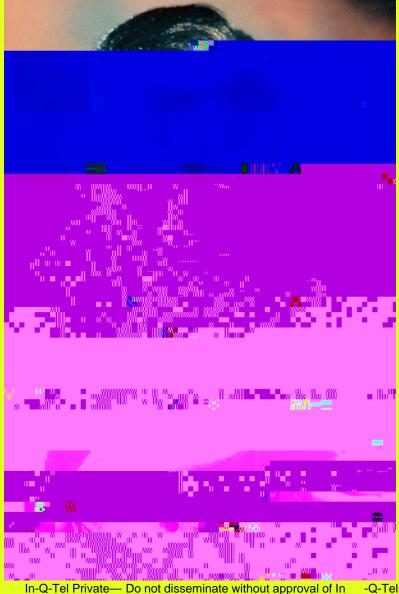
W x m



II III W

www.m.w.w.m.m.y.m.

It Used To Be This



n n**a** llaskim**a**nny mi n M

In-Q-Tel Private— Do not disseminate without approval of In

'n



www.m.w.w.m.m.y.m.

But Now It Is This



n u**=** lloskun**=**nov on u M.





Practically every nation is ramping up cyber warfare operations

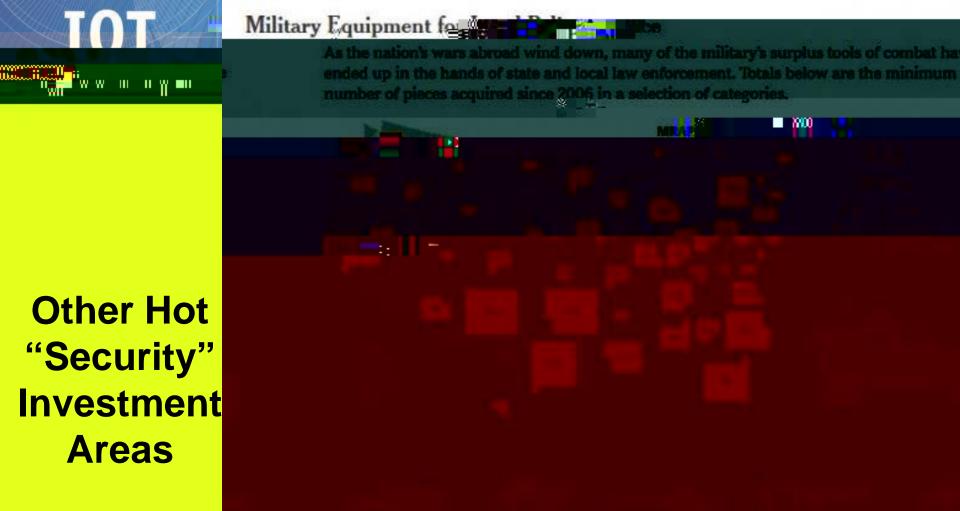




"The heroes of Israel's future wars will not be dustcovered tankers, anonymous pilots or paratroopers in red berets.

Those heroes would be the techies, hackers, web and high-tech geeks that lie around in the halls and rooms of Israeli intelligence, bombarding their bosses with ideas, developments and new

US cyber funding for cyber technology steadily increases from





AGAIN, Ferguson, MO Pop: 21,000

What grant?

 Department of Homeland Security has distributed more than \$34 billion through "terrorism grants," enabling local police departments tT Ps tf87 Tw 7.015 0 TfTm () Tw -7.07









Maybe because the "recovery" never actually happened...



in<mark>wil</mark>iww ii n yy ∎n

11/2

And Any Jobs Going to "Retirees"



21



ww m ny •n

112

II II II Y

n n**=** llottin=nov on n fi





in w ii ii w w iii ii w •ii

It Used To Be This

Y × III X W XIMWIMI WIMA XIXIIII XIIII II XIXIIII<mark>MW</mark> WAW

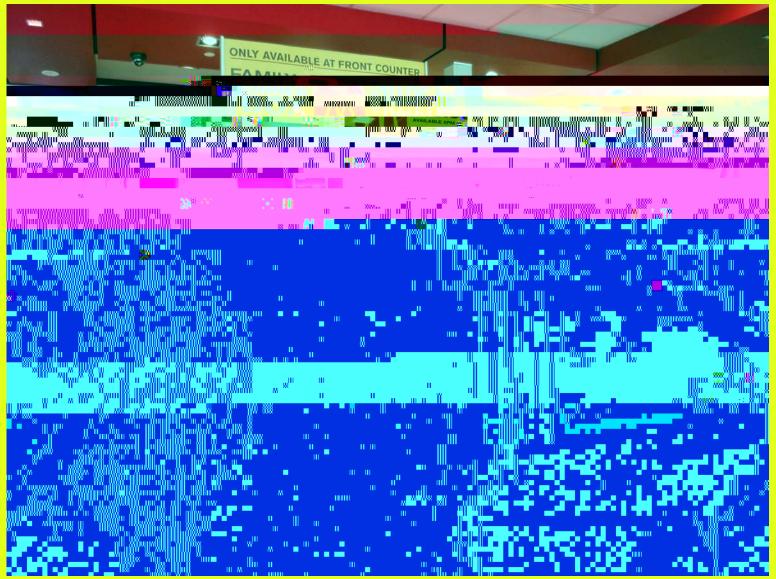


n n**a** llaskon**a**nna nur n M

TOT

in wwin my •m

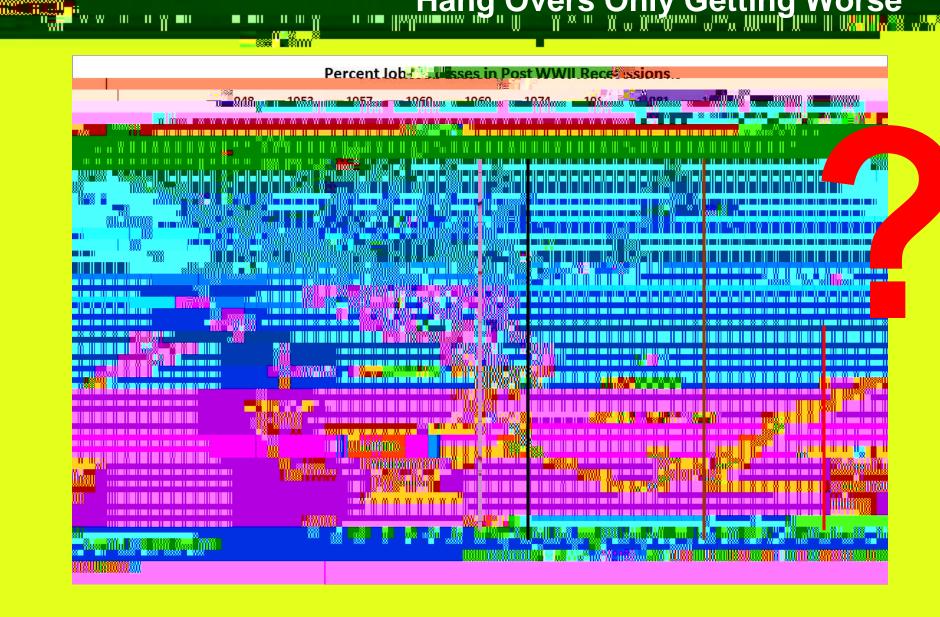
But Now It Is This



n n**a** llathonanna no n M



Hang Overs Only Getting Worse



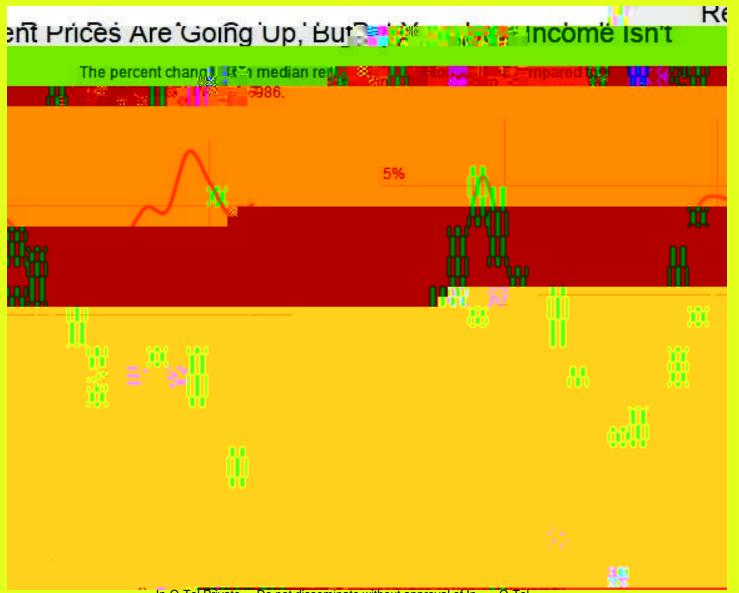




may an my an

Up and To The Right





n n**a** Hallonanna nu n M

W × III



inwii inw w iii in y **=**ii

112

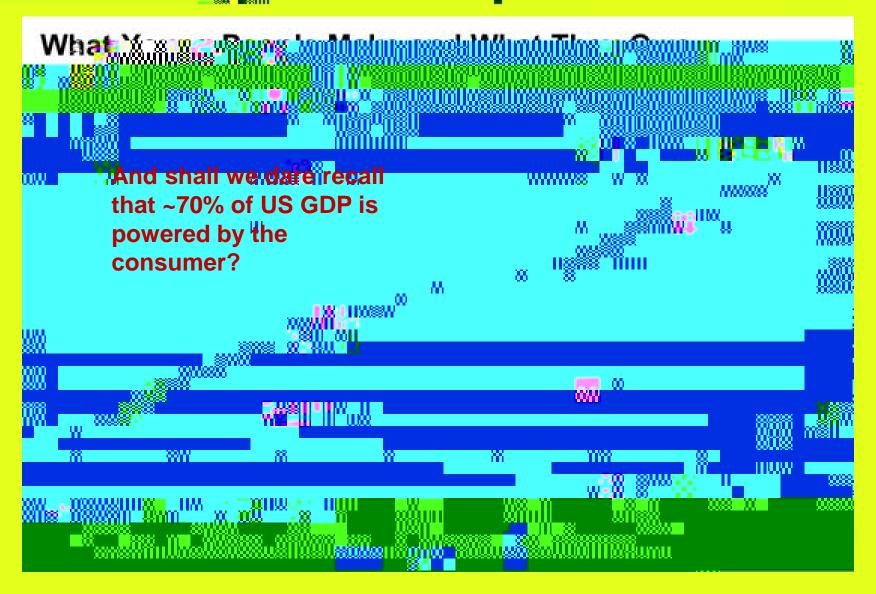
■ ■II II III W

 $\mathbf{u}_{-} = \mathbf{u}_{-} = \mathbf{u}_{-} \mathbf{u}_{$

Angry, Indeed...



And That is Likely to Persist





- People feel like they are not getting ahead.
- Americans feel they are no longer dealing "our" government, but "THE" government.
- There is unrest in the streets (and fields).
- You're an educated, unemployed, broke 20something. What are you going to do?
- Ferguson, Keene, etc., are essentially a barometer of what is really going on.





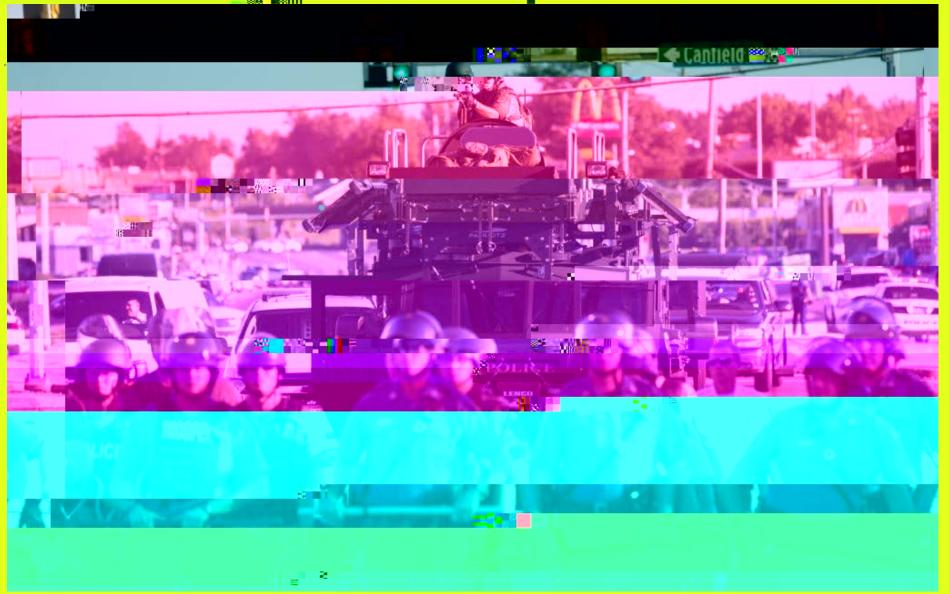
What does this have to do with cyber security?

Everything.



ww m ny •n

Why Take On This?



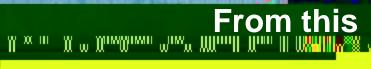


From the Comfort of Your Favorite Coffee Shop

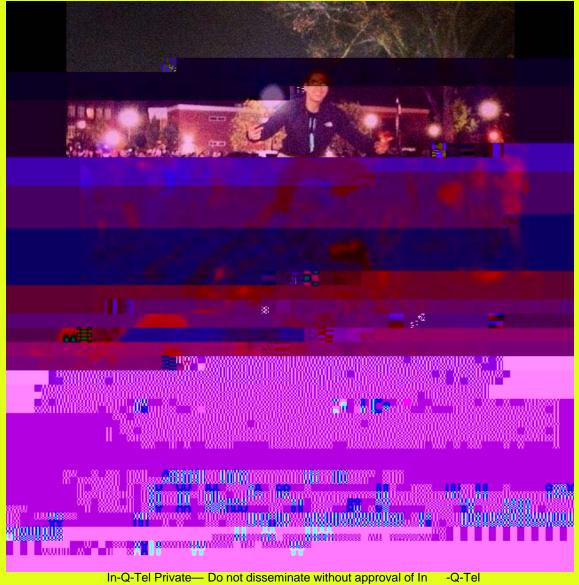




www.m.w.w.m.m.y.m.

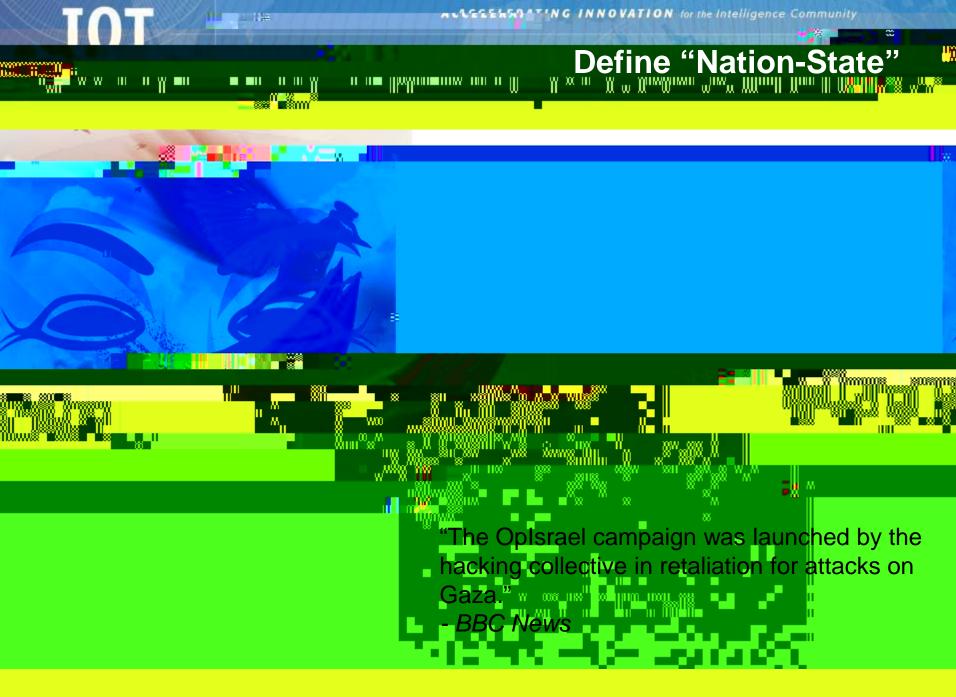


'n



n na Hallunanna nu n M







Think Your Company is Not A Target?

The hackers who successfully infiltrated the network of JPMorgan Chase and hit 83 million records also breached the networks of approximately nine other financial institutions, none of which has been publicly named.

The report quotes unnamed U.S. officials, who suspect the hackers were operating from Russia and "appear to have" ties to the Russian government:

"It could be in retaliation for the sanctions" placed on Russia, one senior official briefed on the intelligence said.



Sony's Snowden Moment

"I ran this company and I had to worry about everybody ... People were really scared. ... But nagging in the back of my mind, I kept calling [IT] and being like, 'They don't have our emails, tell me they don't have our emails," she said. "But then they did. That was a bad moment. And you know what you write in emails."

- Amy Pascal, ex-Sony Pictures co-chair



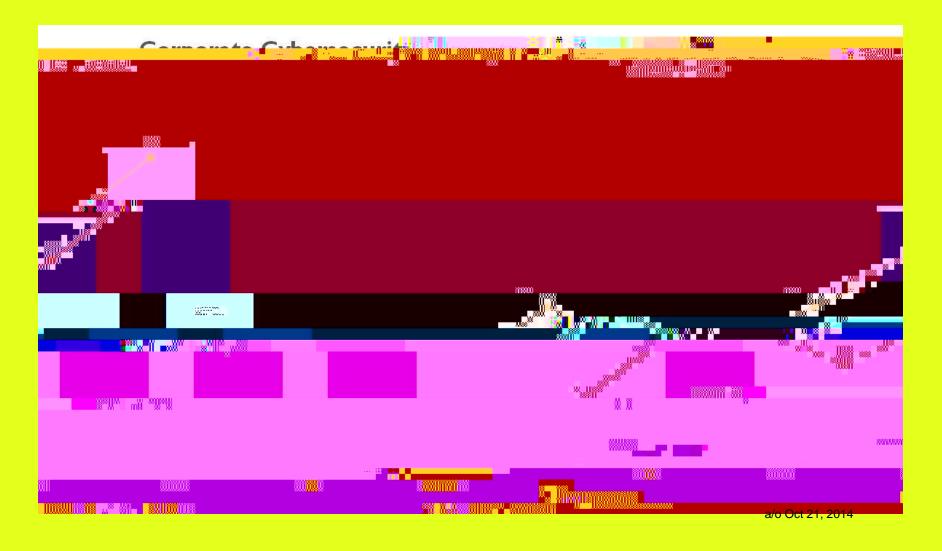
Not Wanting to be the Next Sony



- Piper Jaffray: Security the top spending priority for CIOs this year "with a whopping 75% of the respondents saying they would increase spending in 2015."
- ComputerWorld survey in Nov 2014 found overall security <u>budgets will increase 46% in 2015</u>
- Gartner: Companies to spend \$77BN in ITsecurity Com957 c 27.96 0 0 27.96 70.7 0 27GT T

in wwin ny 🖦

Corporate VC's Back With a Vengeance



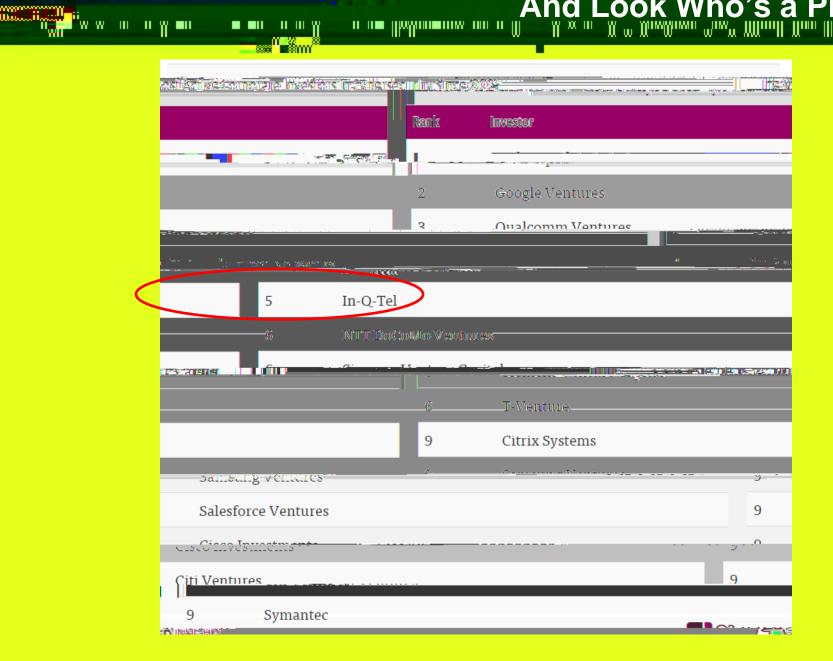
'n



111

And Look Who's a Player

'n





nama www m n y ∎n

VC's Making It Rain



• FEYE: 30% premium

• PANW: 76% premium

• PFPT: 26% premium

• SPLK: 70% premium

 Oh, and that is for revenues (in 2016), not earnings...

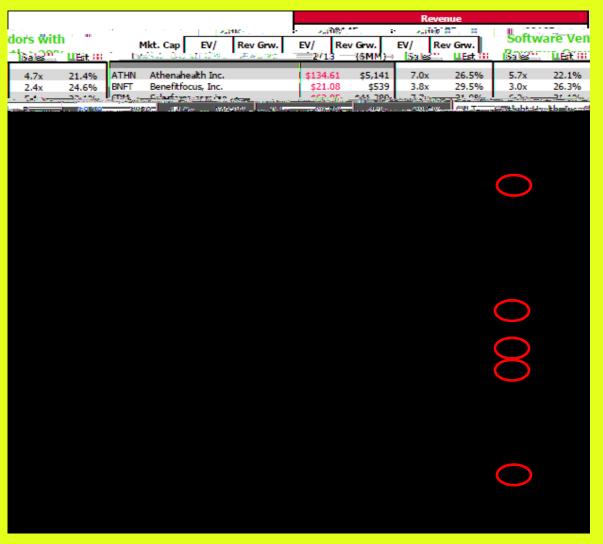
• 2016 P/E analysis:

• FEYE: NMF

PANW: 72.7X

PFPT: NMF

• SPLK: 621.1X



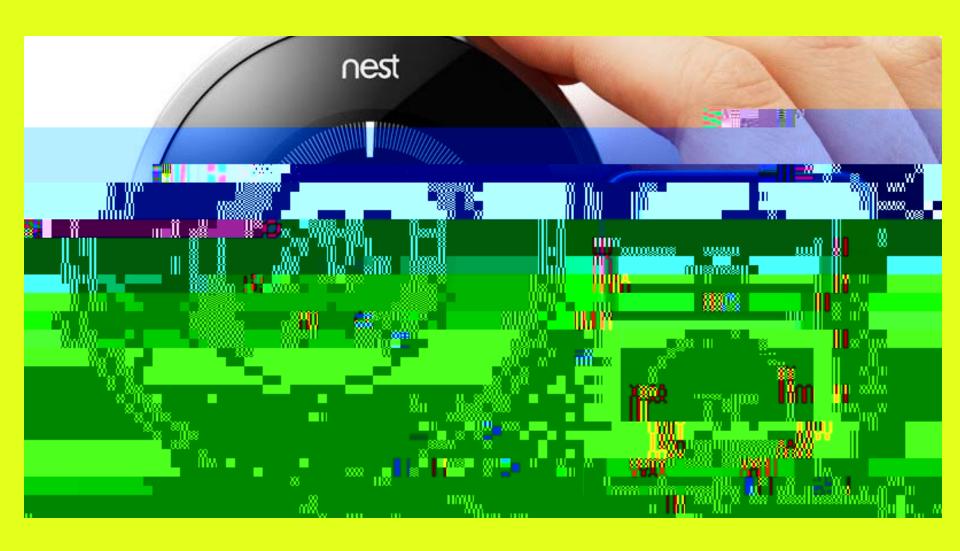
Hostoneous our or ill

W × III



may na may an may an

But Now It Is This



n n**a** llaskon**a**nna om n M



in wwin ny 🖦

VC Money Already Flowing to IoT





in<mark>wil</mark>iww ii n yy ∎n

But Automation Already Revealing Issues



Know Your Market





Cyber Security Will Remain Hot

- There is an undeniable crucial need for innovation
- Tech transfer will see greater interest if it can succeed in crossing the chasm
 - That means finding the champion to get it over the line

A Call to Arms www.m. n.y.∎n

What's your idea?



www.m. n.y.∎n

Efficient Market Theory

QUESTIONS?

n n**a** llaskon**a**nos on n M

pkuper@iqt.org