Cybersecurity New Age

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Cybercrime pays

$338 Billion in 2011
$144B in direct loss (cash / cash equivalents)
$274B to recover

Estimates:

$2 trillion in 2011
15% of GDP
- People and businesses are losing BILLIONS
- Technology is rapidly advancing
- Cybercriminals will find more opportunity
- If we don’t take action, it will get worse
Famous words he never said

I rob banks “because that’s where the money is.”

- Willie Sutton, Bank Robber (1901 – 1980)
What he did say...

“Go where the money is...and go there often.”

- Willie Sutton, “Where the Money Was” 1976
Silk Road (Then)
A 4,000 mile network of roads
Connected Asian Continent for trade of goods
Silk Road (2013)

An electronic marketplace connecting criminals
$1.2 B in revenue and $79.8M in commissions
Cryptolocker:

Ransomware trojans affecting Windows local and mounted network drives.

Encrypt datastores using strong encryption to hold your data for ransom.

Big campaigns in ‘14 and ‘15 – new campaign underway in ‘17.
It is no longer a question of “if” or “when.”

It is a question of “how often,” “how bad” and “how long until we notice.”
What do you need to do?
Things you already should be doing:

What you don’t keep, they can’t take
   Keep the data you need to keep and ONLY the data you need to keep
What you keep, you should copy
   If you need to keep it, you better make a copy
   And, if possible, store it offline
What you copy should be encrypted
   This helps ensure data is kept confidential
Practice restoring your data
   Data restores should be a part of your Disaster Recovery exercises
Ask your Information Technology Department

Do we know where the data is stored?
Do we have a contractual arrangement with the storage provider?
What type support do we have from our provider?
Does our provider have a responsibility to inform us of data loss?
Do we have a cybersecurity insurance policy?
General housekeeping will somewhat reduce (but never eliminate) your risk.
Take the necessary steps to keep the bad guys away