



Cybersecurity New Age

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Cybercrime pays

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Topic: *Security*

Cybercrime costs \$338bn to global economy; More lucrative than drugs trade

Summary: *Cybercrime is costing more than the drugs trade, according to new research by Symantec. But this criminologist argues that some crime cannot be measured in financial losses.*

\$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...



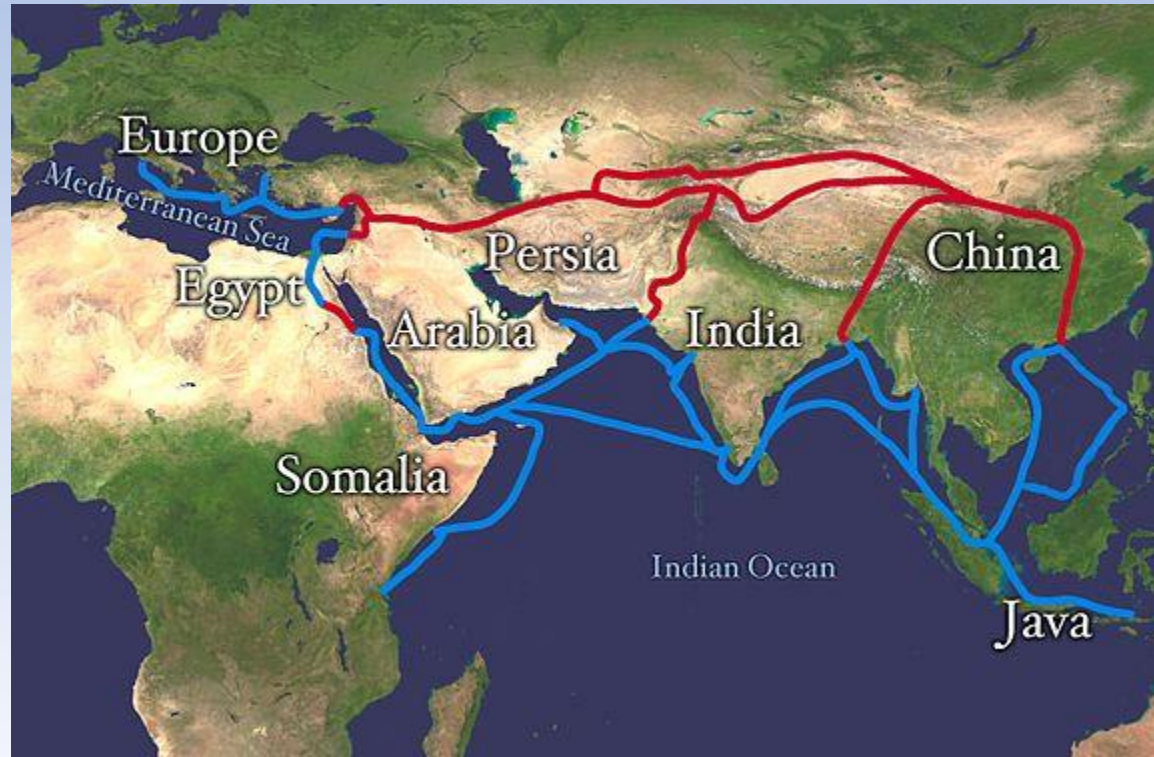
“Go where the money is...and go there often.”

- Willie Sutton, “Where the Money Was” 1976

Silk Road (Then)

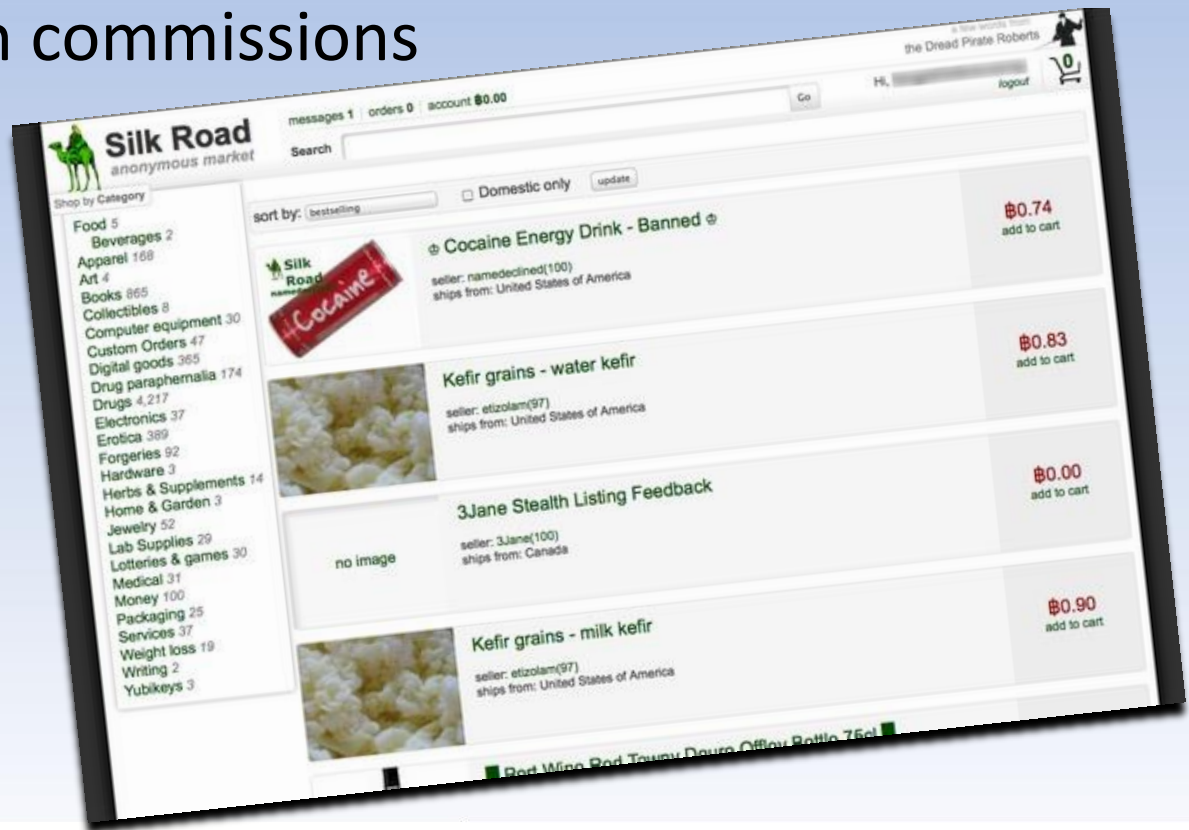
A 4,000 mile network of roads

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





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