

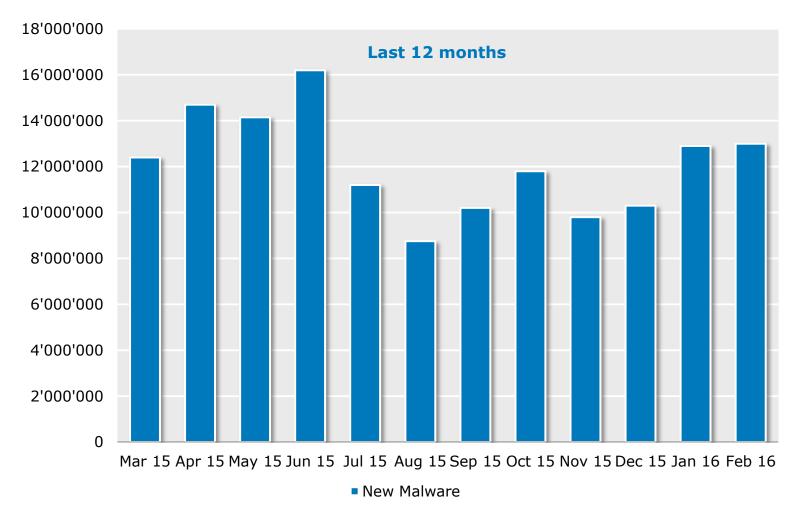
Cyber Threat Defense SIGS Afterwork, Basel

Dr. Alex Rhomberg, Partner TEMET AG

April 5, 2016



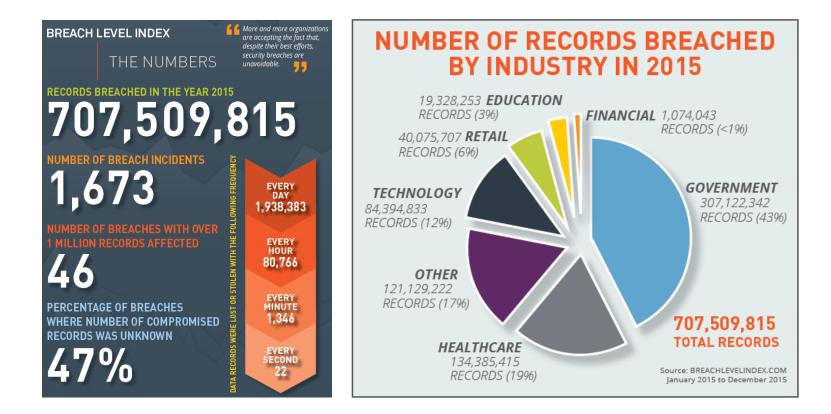
Cyber crime statistics 390'000 new malware samples every day!



Source: AV-Test GmbH, www.av-test.org

Cyber crime statistics Breach Level Index 2015 (1/2)



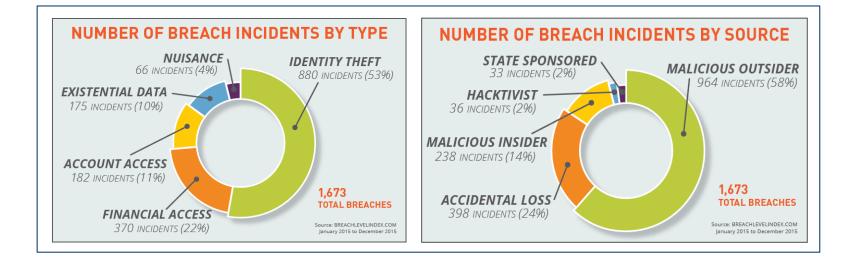


http://fr.sitestat.com/gemalto/gemalto/s?ent-Breach_Level_Index_Annual_Report_2015&ns_type=pdf

Source: Gemalto Breach Level Index Annual Report 2015



Cyber crime statistics Breach Level Index 2015 (2/2)





Know your adversaries



Cyber criminals: looking for a profit

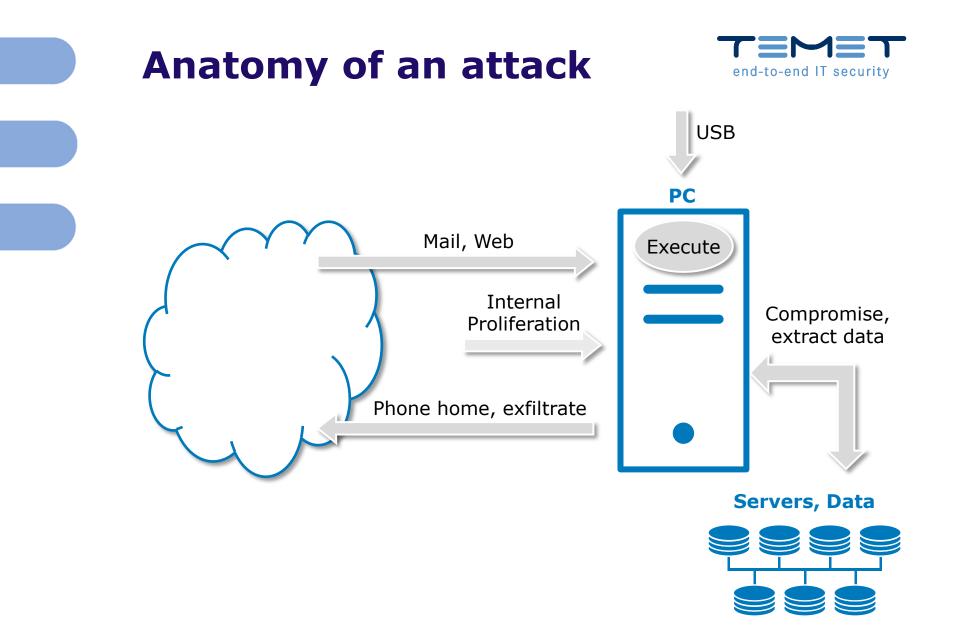
- Extortion
- Selling data
- Money transfers
- Use processing power & bandwidth



Government agencies: Aiming for disruptive or military technology



Hacktivists: Avenge a perceived wrongdoing





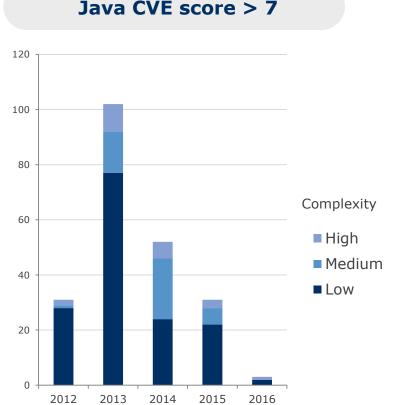


Lock down on file types

- Who needs to download executables?
- What are the common sources?
- What kind of mail attachments are really needed

Lock down on outdated technologies

- Java (in the browser) is obsolete • and a constant source of pain. Why expose everyone?
- Examine and restrict other obsolete technologies, e.g. Silverlight, Flash in the near future



Java CVE score > 7

Close the front door





Examine your antivirus strategy

- is your set-up up to speed?
- Does it incorporate new technologies your provider includes?
- Does the configuration follow best practice?



Additional technology?

- The baseline is the attack patterns you see, not the ones the product was built for
- Perform a PoC after closing the cheap vectors



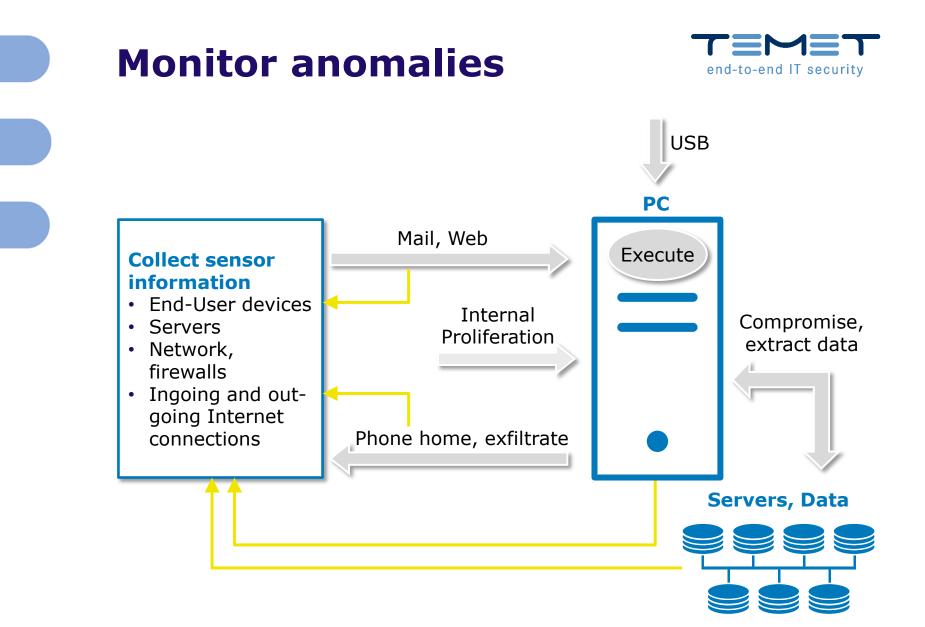


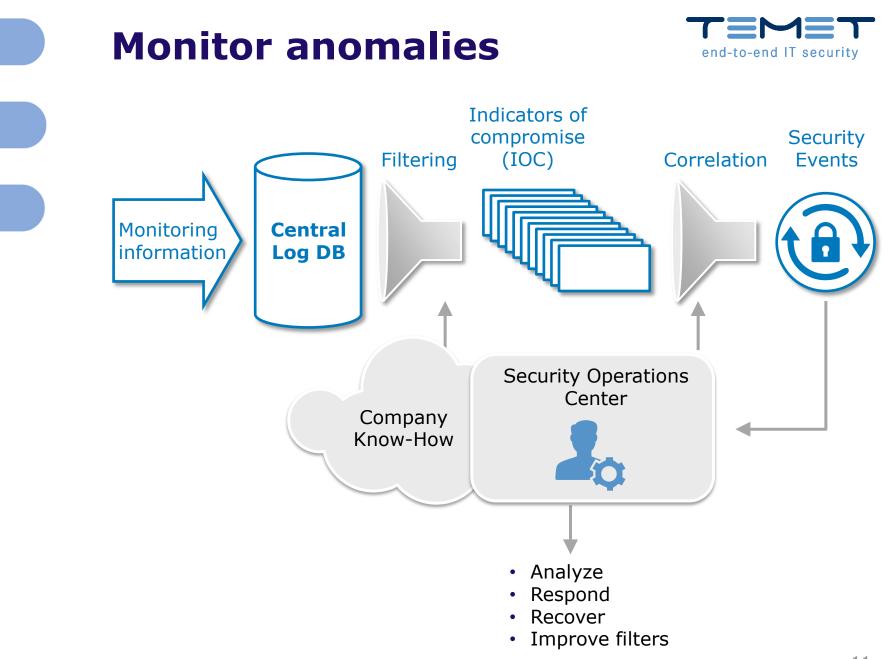


Contain execution

Protect your assets

- Check your backups
- Check your recovery procedures
- Implement Access Management for end-user data
 - Implement access control on your file servers
- Implement Privileged Access Management
 - Need to do for privileged access
 - Use different credentials form admin rights









- Check your maturity in all areas
 - Infiltration
 - Execution
 - Containment
 - Monitoring



Invest where maturity is lowest



Did you close the simple stuff?