

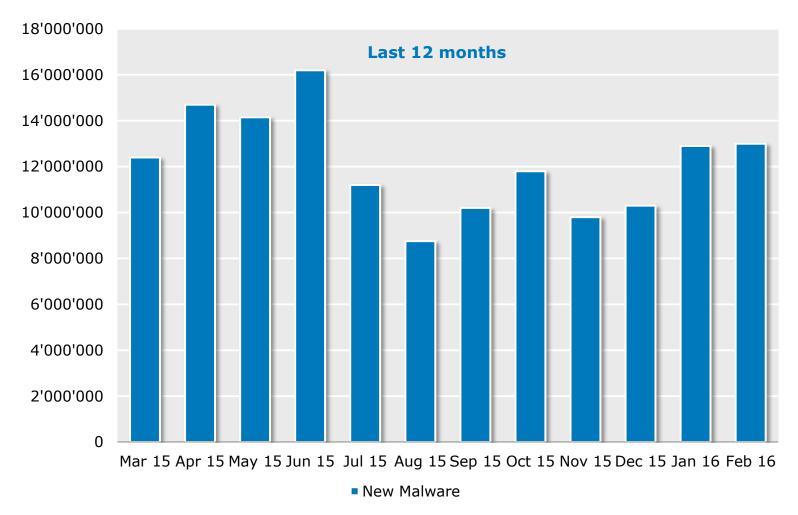
# **Cyber Threat Defense SIGS Afterwork, Basel**

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April 5, 2016



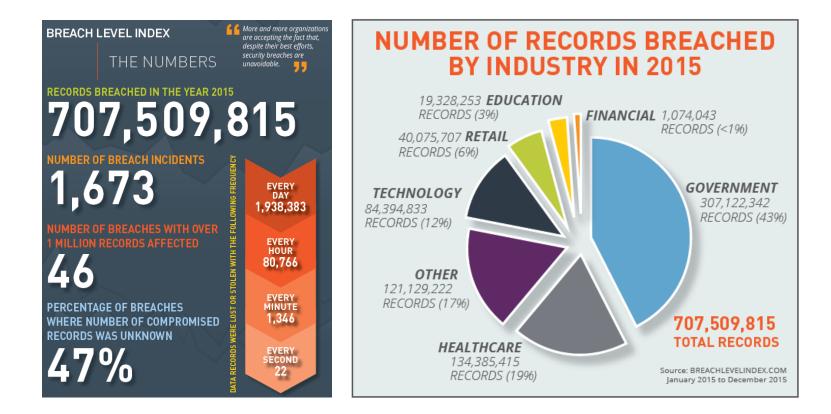
# **Cyber crime statistics** 390'000 new malware samples every day!



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

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



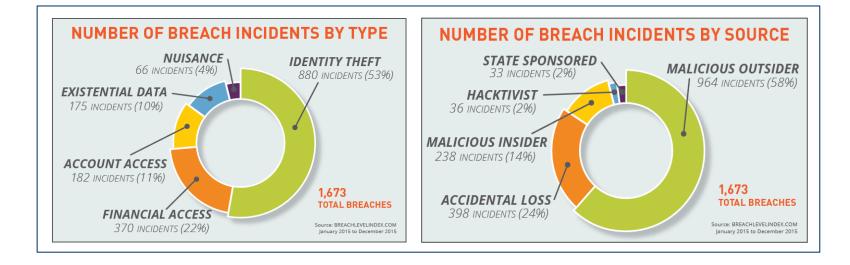


http://fr.sitestat.com/gemalto/gemalto/s?ent-Breach\_Level\_Index\_Annual\_Report\_2015&ns\_type=pdf

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

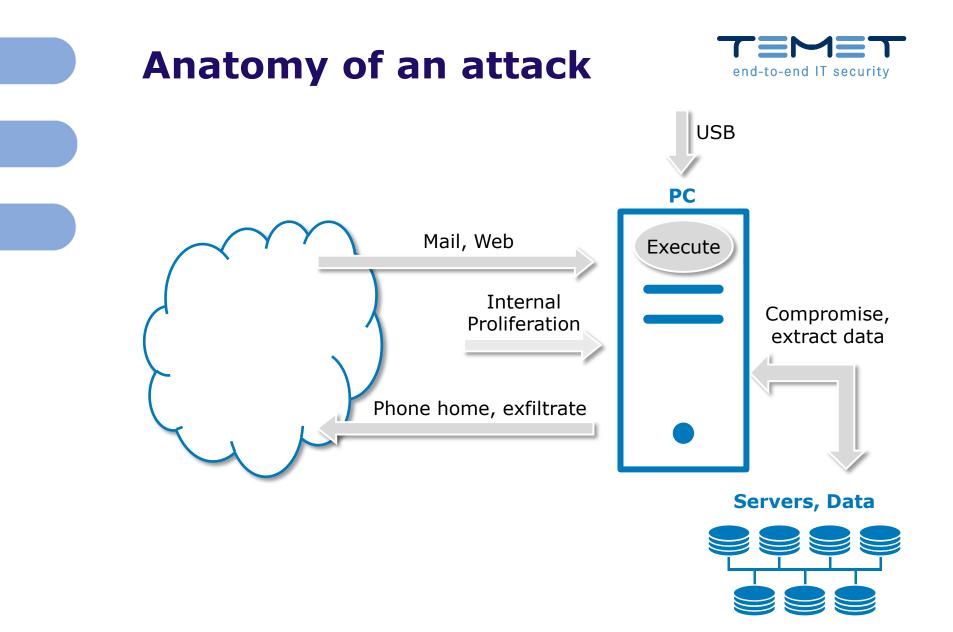
- Extortion
- Selling data
- Money transfers
- Use processing power & bandwidth



Government agencies: Aiming for disruptive or military technology



Hacktivists: Avenge a perceived wrongdoing





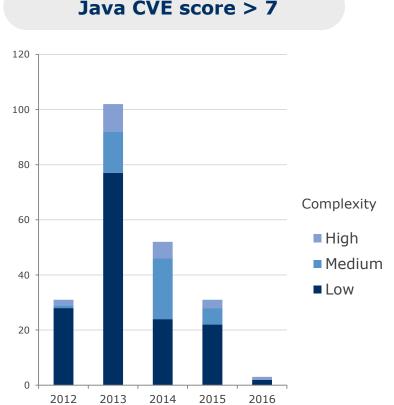


### Lock down on file types

- 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### Lock down on outdated technologies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



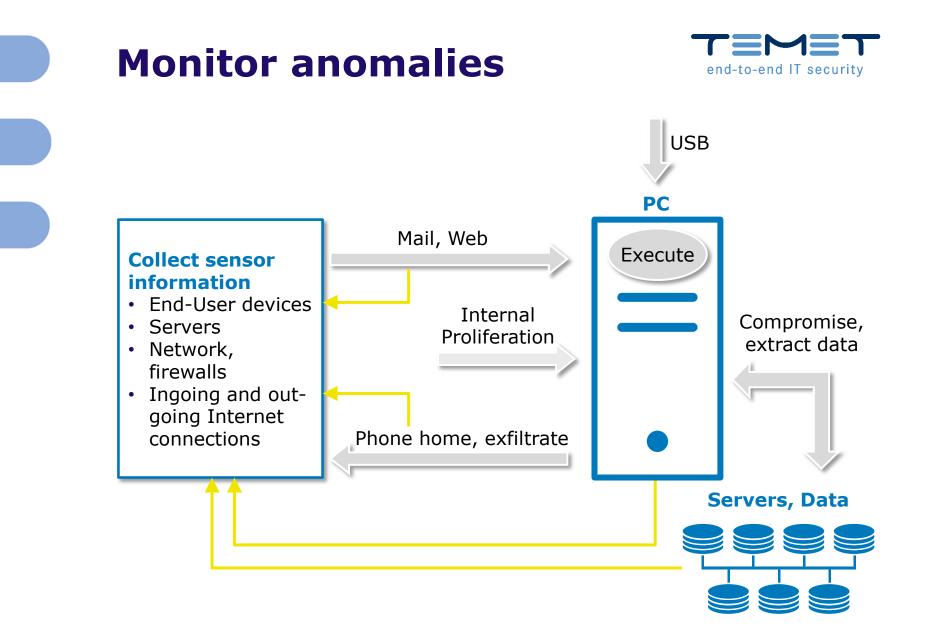


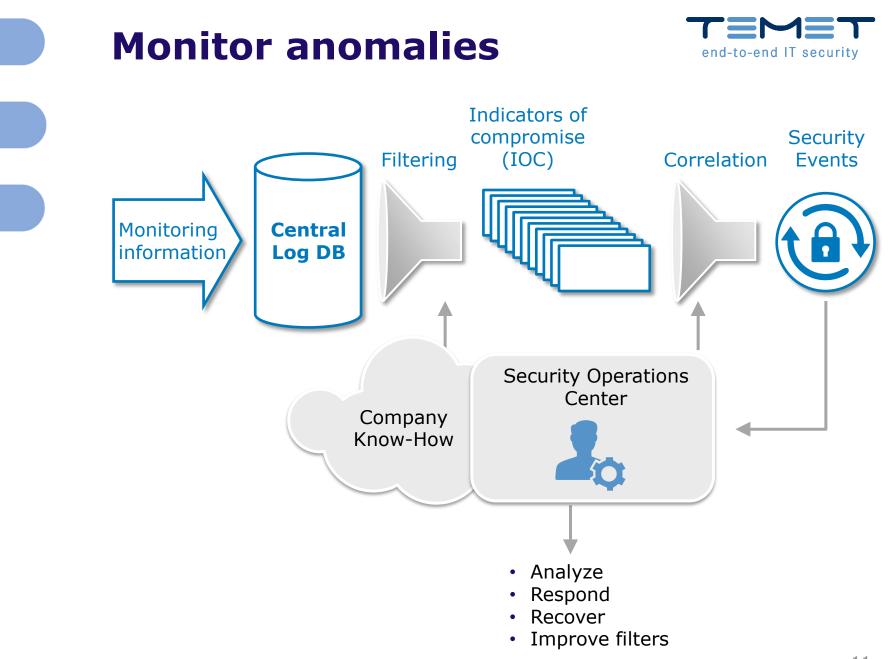


## **Contain execution**

### **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?