

The iVault Black-Box Model For Cybersecurity

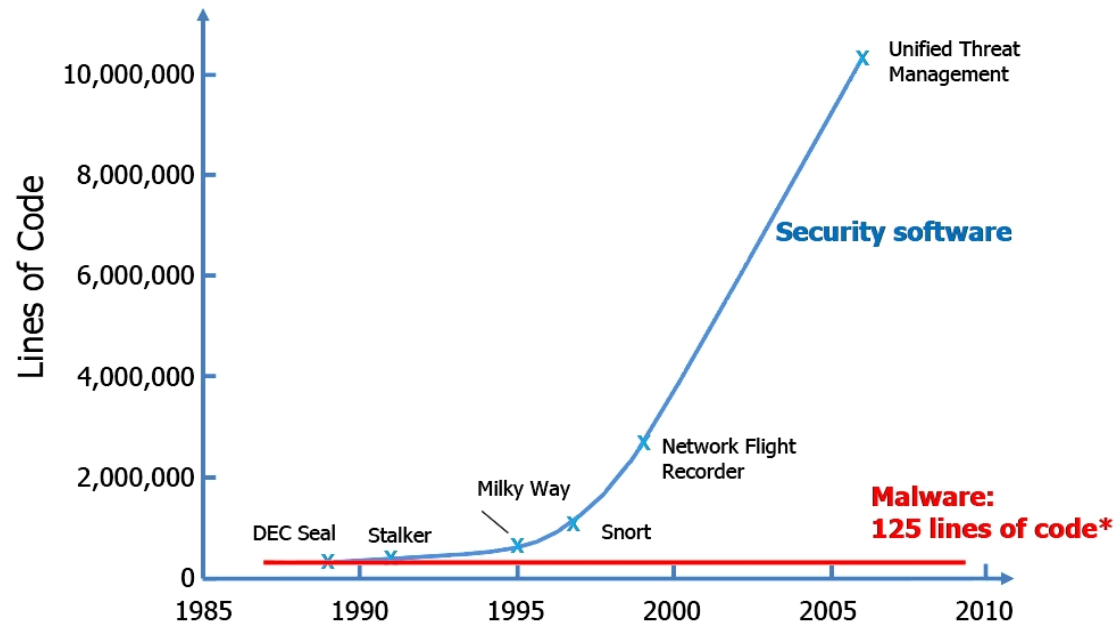
Protecting Machine-Only Processed Data

JavaOne 2012

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Masterkey

Security Challenges

- Asymmetry: Security efforts Vs. adversary efforts



- Security layering
- Minimizing surface areas
- Minimizing interfaces

* Public sources of malware averaged over 9,000 samples (collection of exploits, worms, botnets, viruses, DoS tools)

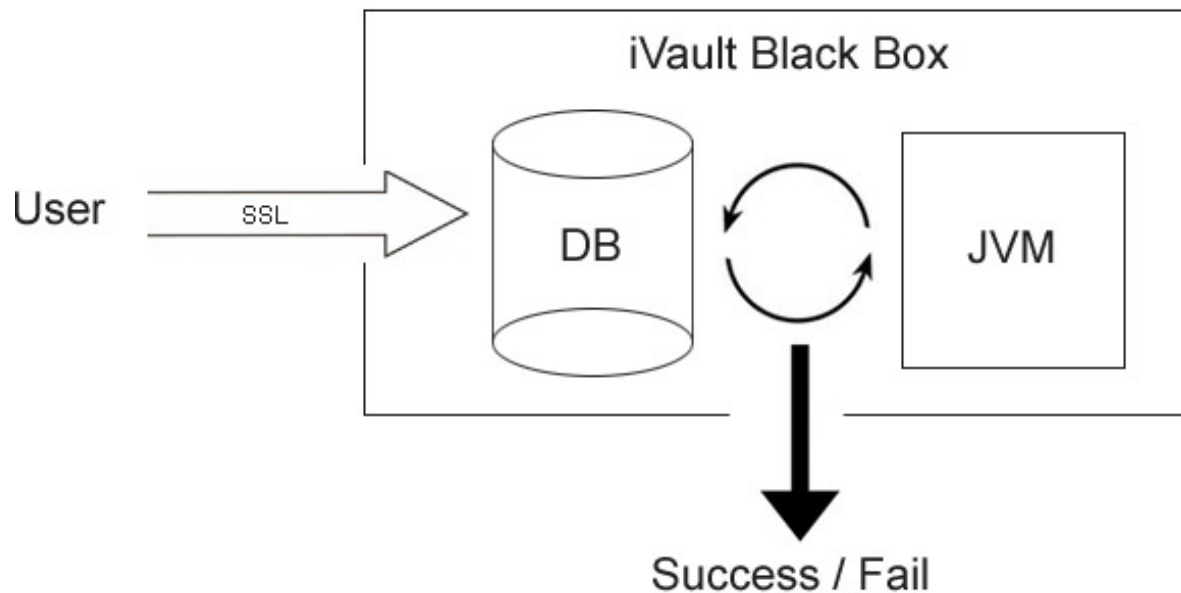
Source: Mudge, DARPA

Security Solution

A hardware securing technology running JVM

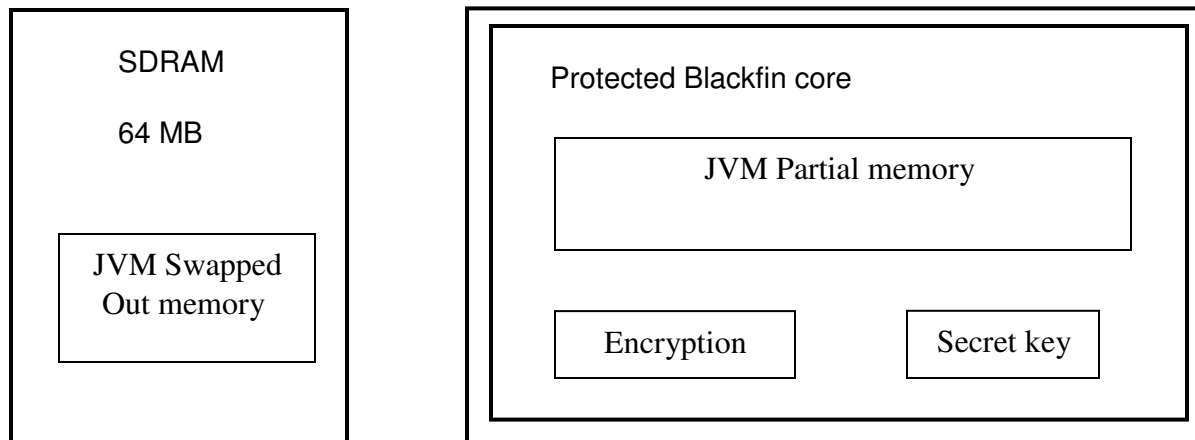
Data is kept in a black box - never leaves it

Protect your data even if a hacker brakes into the network



The Black Box JVM

- Secure virtual memory
- API for handling secure data



iVault Use Cases

- Credentials
- Credit cards
- Processing your sensitive data, i.e. digital certificates
- Protect code – medical / vehicle computing

The Masterkey iVault

Your Digital Assets In The Vault

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