

AI在安全领域的投资机会

郑灿 | 线性资本投资总监

```
if ($data_based &&  
    $AI_driven &&  
    $commercially_applicable) {  
    $best_investor =  
        "Linear Venture";  
}  
//to be tested... :)
```

安全投资，我们在说什么

- Gartner Predicts Information Security Spending To Reach \$93 Billion In 2018
- Worldwide Revenue for Security Technology Forecast to Surpass \$100 Billion in 2020, According to the New IDC Worldwide Semiannual Security Spending Guide
- Cybersecurity Ventures predicts global cybersecurity spending will exceed \$1 trillion from 2017 to 2021

Cybersecurity Funding Is On Pace For A Record Setting ... - CB Insights

<https://www.cbinsights.com/research/cybersecurity-deals-funding-acquisitions/> ▼

Aug 23, 2017 - Deals and dollars to **cybersecurity** startups are on track to break records in **2017**, with six **cybersecurity**-focused startups raising \$100M+ mega-rounds last ... look to better secure their networks, data, and devices, **investors** have been making more deals to private **cybersecurity** companies than ever before.

Cybersecurity hits another record high, as deals keep ... - CB Insights

<https://www.cbinsights.com/research/cybersecurity-startup-deals-funding/> ▼

Jump to **The most active VC investors** - New Enterprise Associates (NEA) and Bessemer Venture Partners tie for the top spot as the most active VC **investors** in **cybersecurity** since 2013. Rounding out the top three is Accel Partners. Sort:Rank ↑ ... Most Active VCs **Investing In Cybersecurity** 2013 – **2017 YTD** (5/15/17) ...

[Annual financing history](#) · [Quarterly financing history](#)

The Cybersecurity 2016 Report: Deals Hit A Record High ... - CB Insights

<https://www.cbinsights.com/research/cybersecurity-startup-funding/> ▼

Jump to **Annual investment dollars and deals** - In 2015, the industry saw five mega rounds to the companies Tenable Network Security, Tanium, CloudFlare, CrowdStrike, and Illumio. So far in **2017** through 02/07/17, there have been nearly 30 deals in **cybersecurity**. The biggest deal went to the endpoint security ...

[Annual financing trends by ...](#) · [Annual exit activity: M&A ...](#)

现实很骨感，但理想很丰满

- 固有的挑战
 - 信息安全占企业IT支出比例上，中国仍然落后于美国
 - 没出问题，为啥要多花钱搞安全？
- 我们看到的新机遇
 - 新数据 - IoT，车联网，区块链
 - 新需求 - 孤岛需要被连通，数据需要被使用，
 - 新技术 - 人工智能

数据智能+安全的落脚点

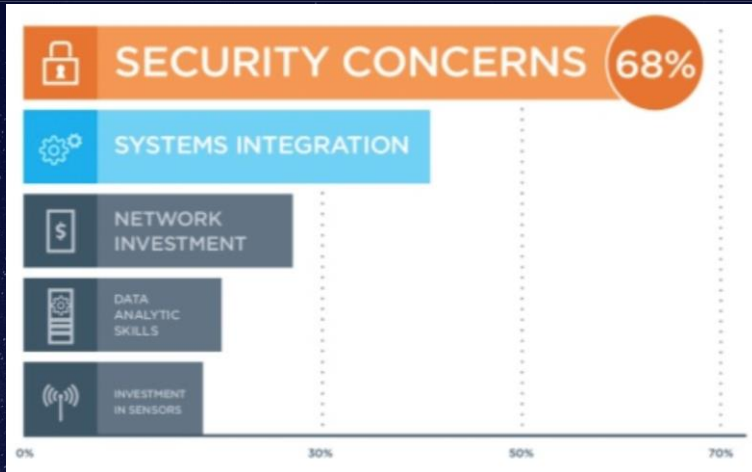
- 智能分析 - 从基于规则到自主学习
 - 海量数据
 - 实时性
 - 自主性（无监督或弱监督）
- 如何避免false positive

“Darktrace uses AI to spot patterns and prevent cybercrimes before they occur.”

Gartner

物联网安全

- 2016年的Dyn攻击
- IoT安全的挑战
 - 大量设备
 - 数据实时流动
 - Mission Critical
 - 边界模糊
 - 操作系统，通信协议异构
 - 低功耗，弱处理器
 - 无法触及
- 需要通用，实时，非侵入的解决方案

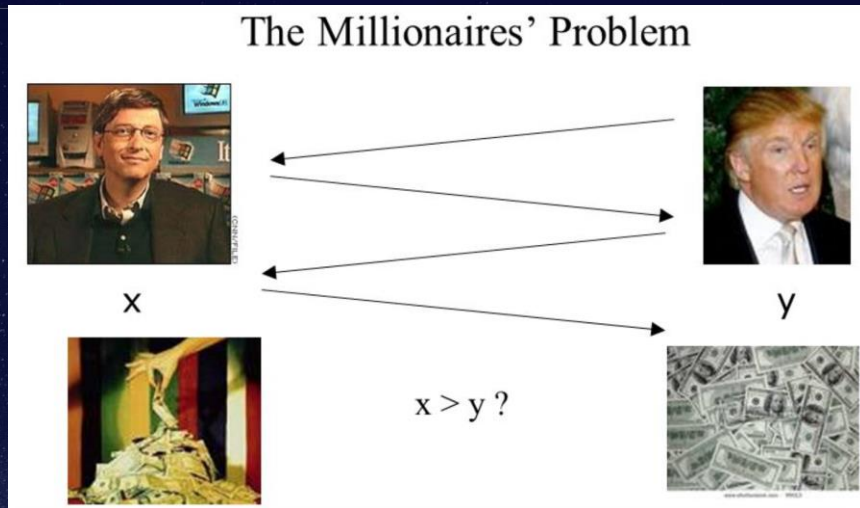


- “In the first quarter of 2016, connected cars accounted for a third of all new cellular devices.”
- Techcrunch
- “By 2020, there will be a quarter billion connected vehicles on the road” – Gartner
- 车安全 = 控制器安全 + 车内网络安全 + 车联网安全
- 大陆集团\$400M收购Argus

Argus ensures vital security needs are met from the concept phase throughout the vehicle lifespan!

数据交换安全

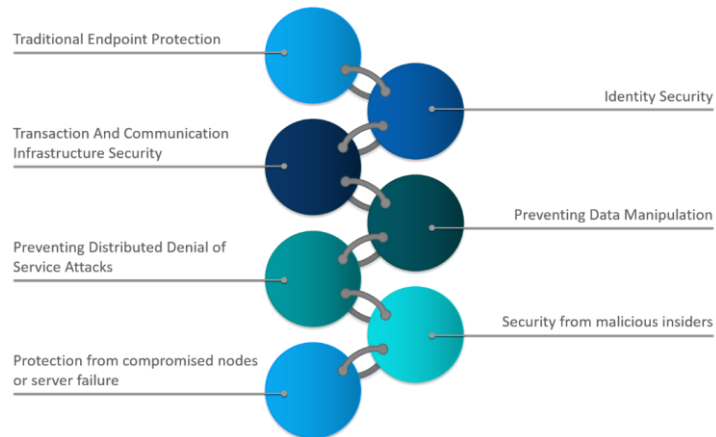
- 论如何优雅地互相炫富
- 云计算的信任问题
- 数据交换的巨大市场
- 同态加密
- 安全多方计算
- Intel SGX



区块链和去中心安全

- 中心化模型的问题
- 去中心化更多是个组织行为问题
 - 去中心化 vs 效率
- 区块链自身的安全问题
 - 51%攻击
 - 智能合约的安全性
 - 有代码的地方就有漏洞

BLOCKCHAIN IN CYBERSECURITY



Thank You!