

认知时代的安全体系

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为什么要谈认知安全？

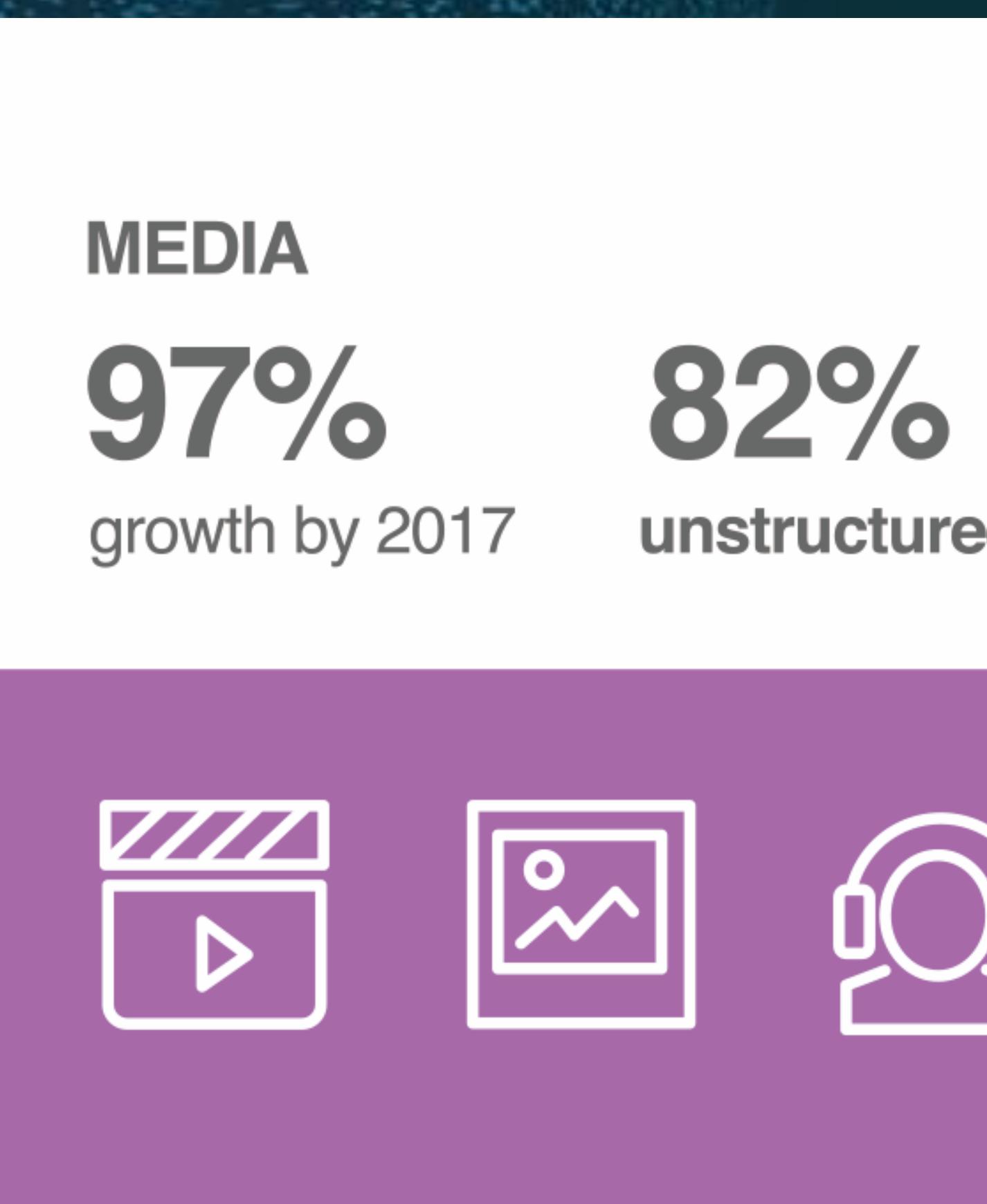
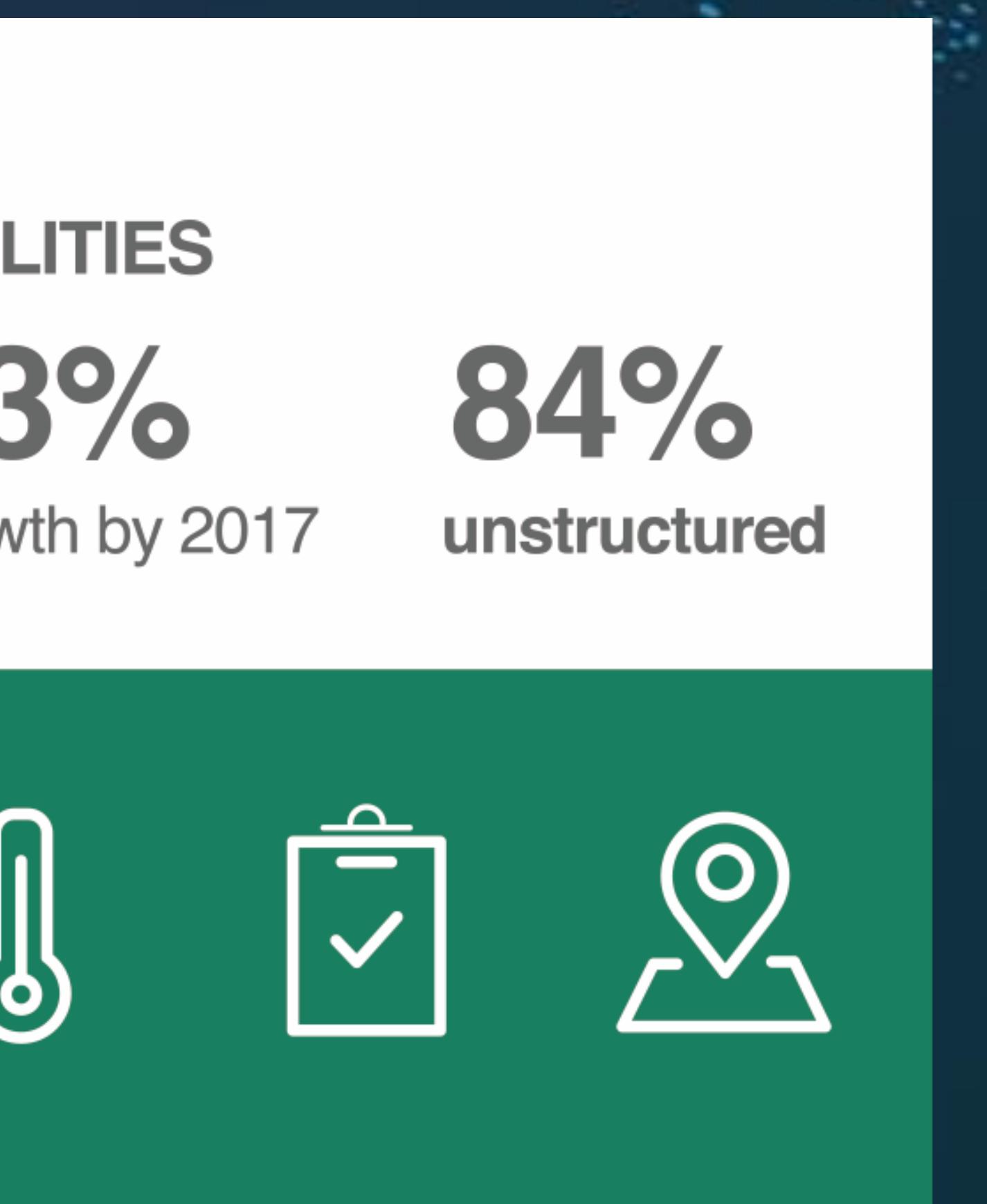
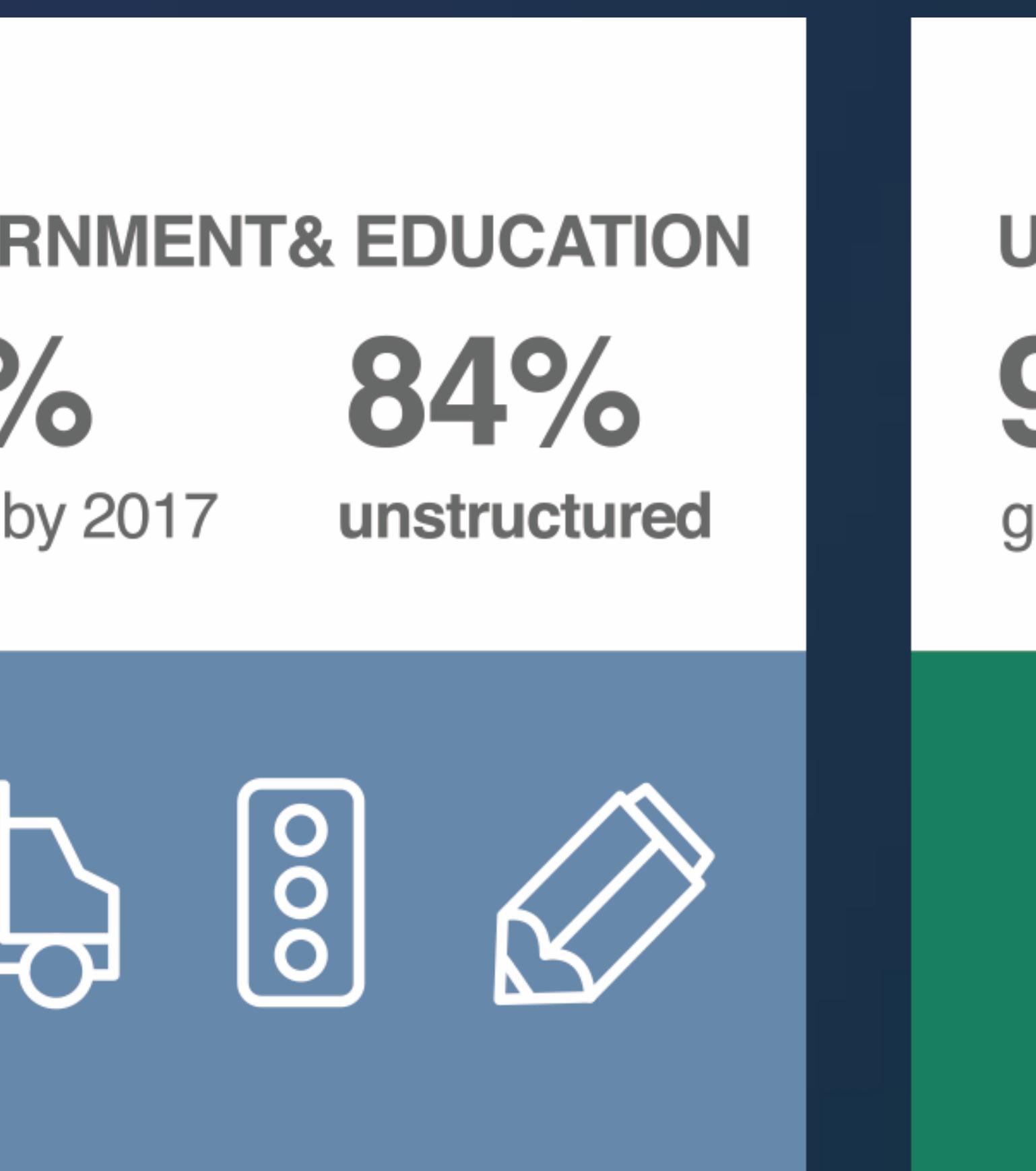
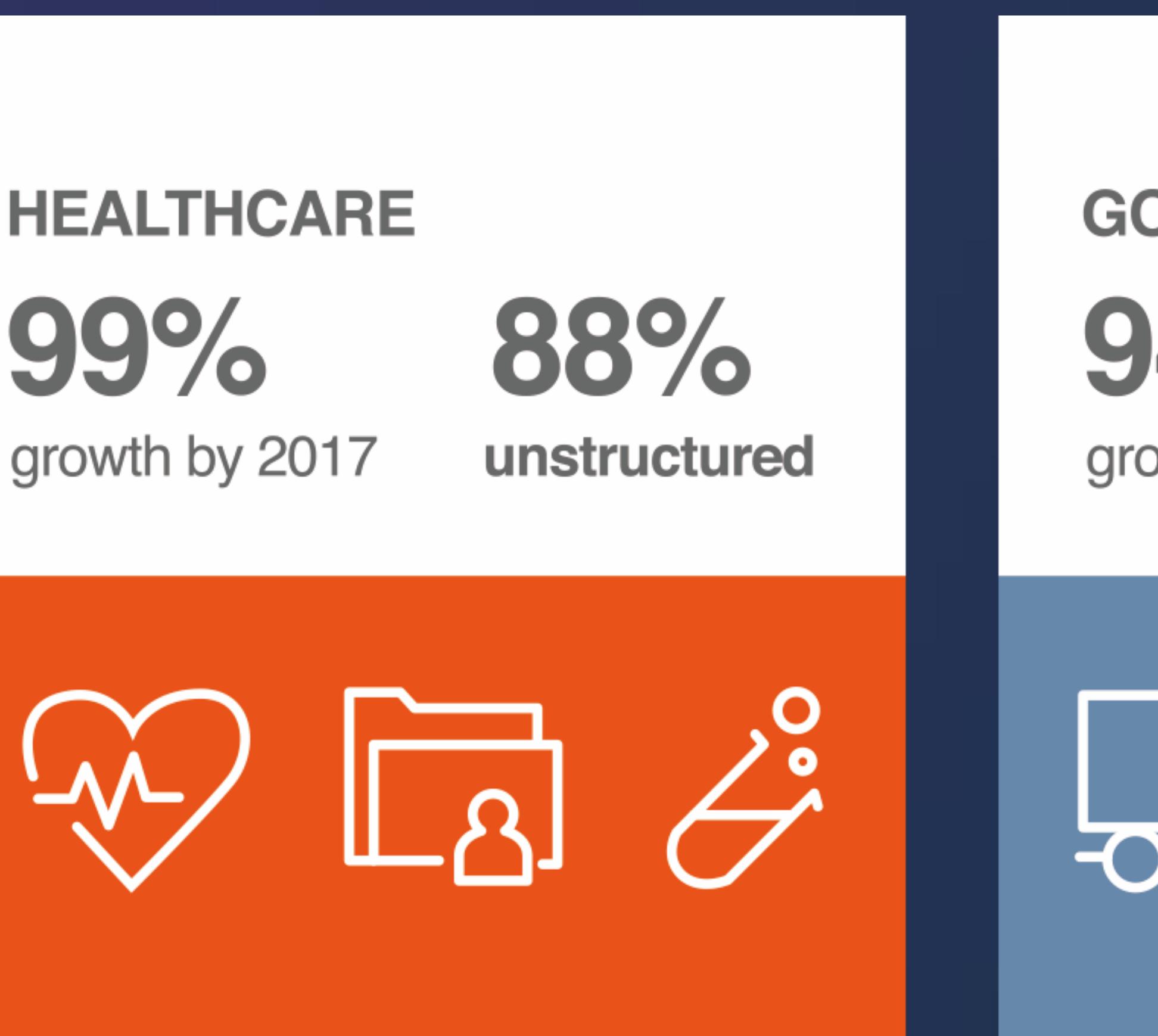
- 我们在人工智能上有突破？
- 我们在量子运算上有突破？
- 认知安全其实是在对的地方，对的使用方法，去运用既有的人工智能技术

面对新型态的威胁，我们必须全方位了解非
结构性的资料

80%
of the world's data
has been
invisible.

Until now.

世界上百分之八十的资料是没有结构性的



认知运算开创了资讯安全的新世代



堡垒式防御

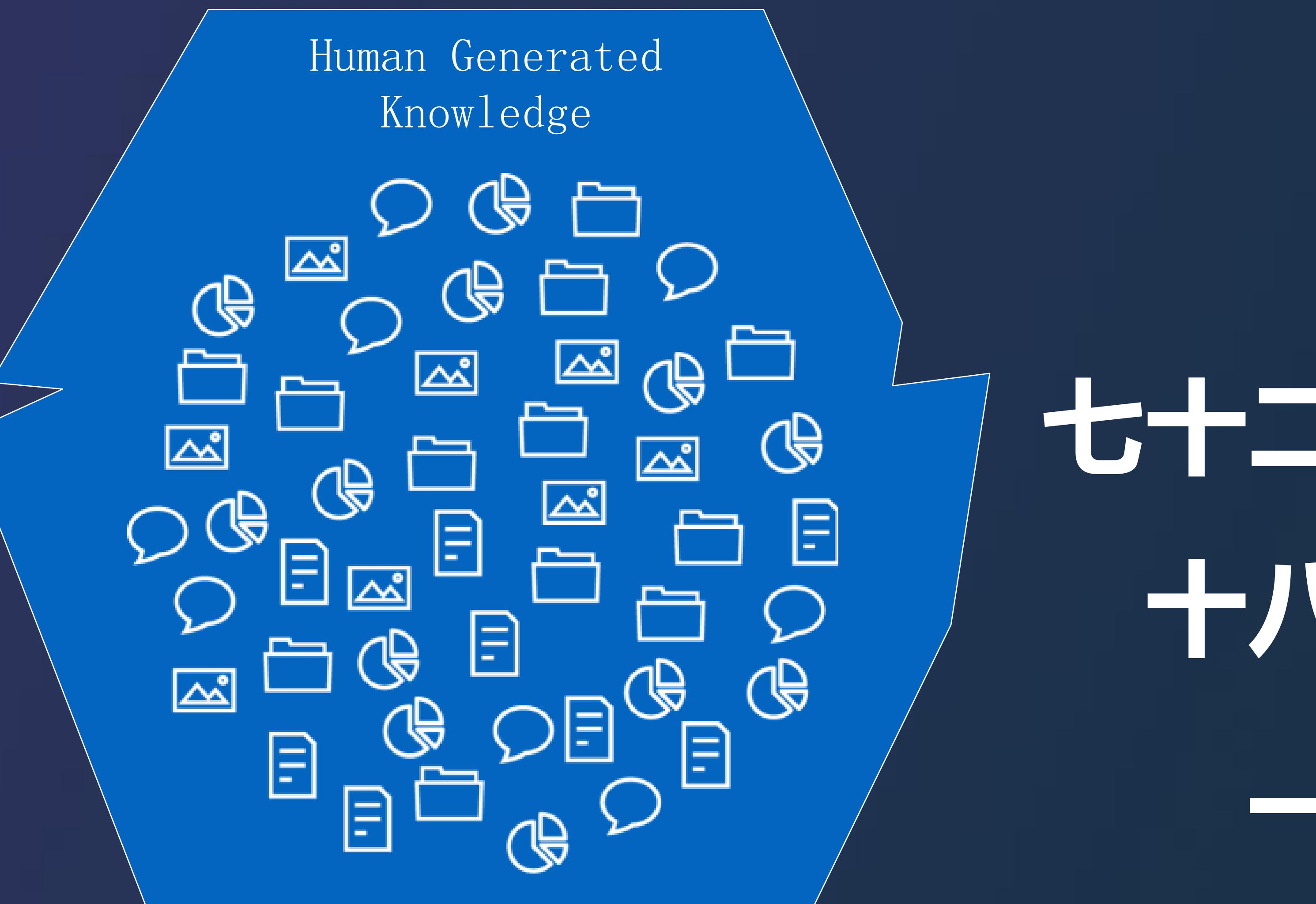


智能安全
深度整合



认知运算
云计算
协同抵御

冰山下的那些事 - 大量的安全资讯



A universe of security knowledge
Dark to your defenses

我们只利用了冰山下百分之八的资料

security
blogs / year

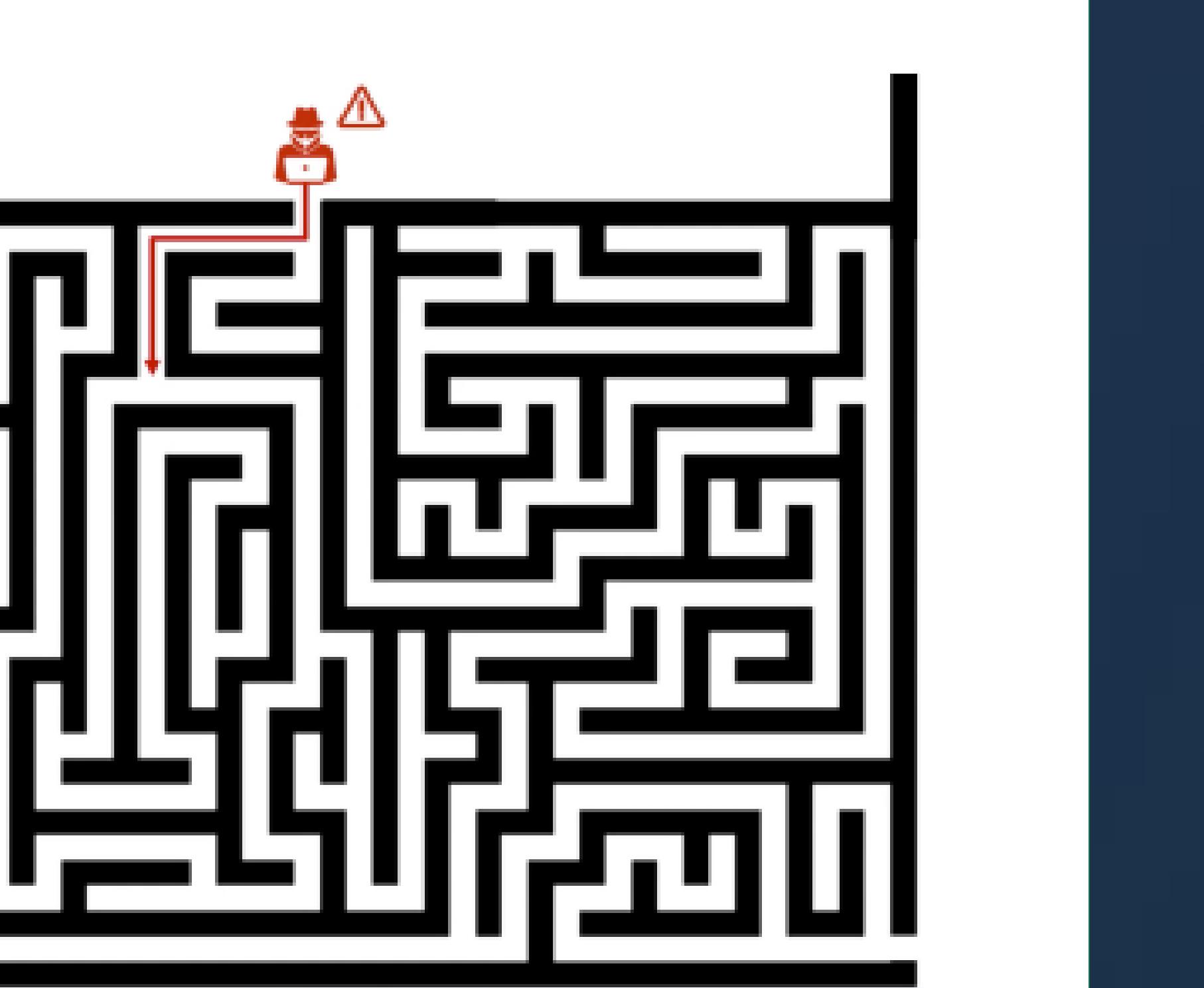
security related
news articles /
year

security research
papers / year

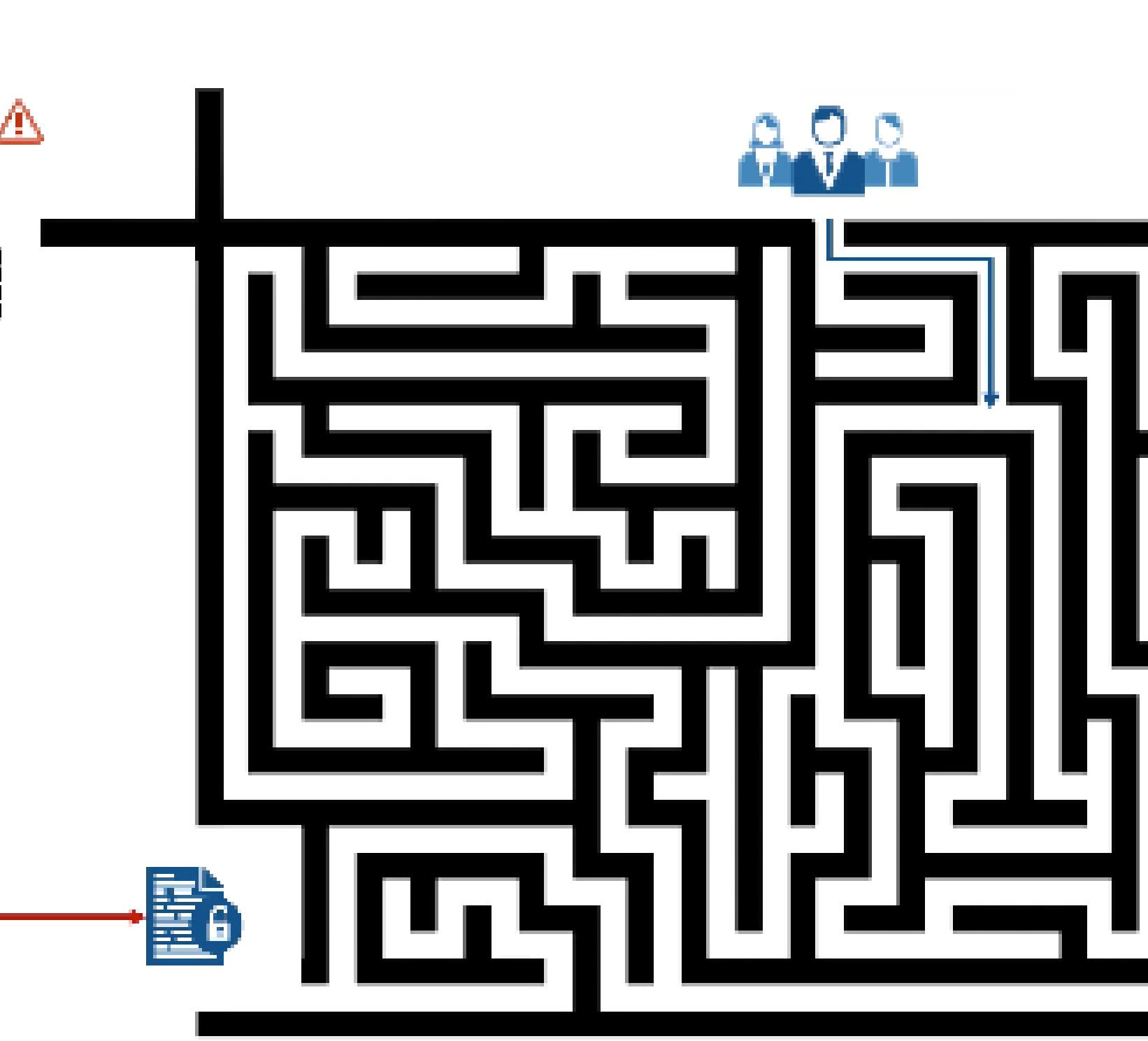
- Industry publications
- Forensic information
- Threat intelligence commentary
- Analyst reports
- Conference presentations
- News sources
- Newsletters
- Tweets
- Wikis

知己不知彼 – 道高一尺魔高一丈

We think we
blocked
hackers



What
actually
happen is
that we
cannot trace
hackers
because we
are in the
maze



描述黑客的黑资料



- john@company. com, Mr. Lee, DarkDragon
- Tojava, JoTalbot
- 31.170.179.179
- ssndob. ru
- spam@bad. com
- Zack Lee, Russia



认知运算到底能做什么事情？

Facts
(unstructured data)



Questions



Answer

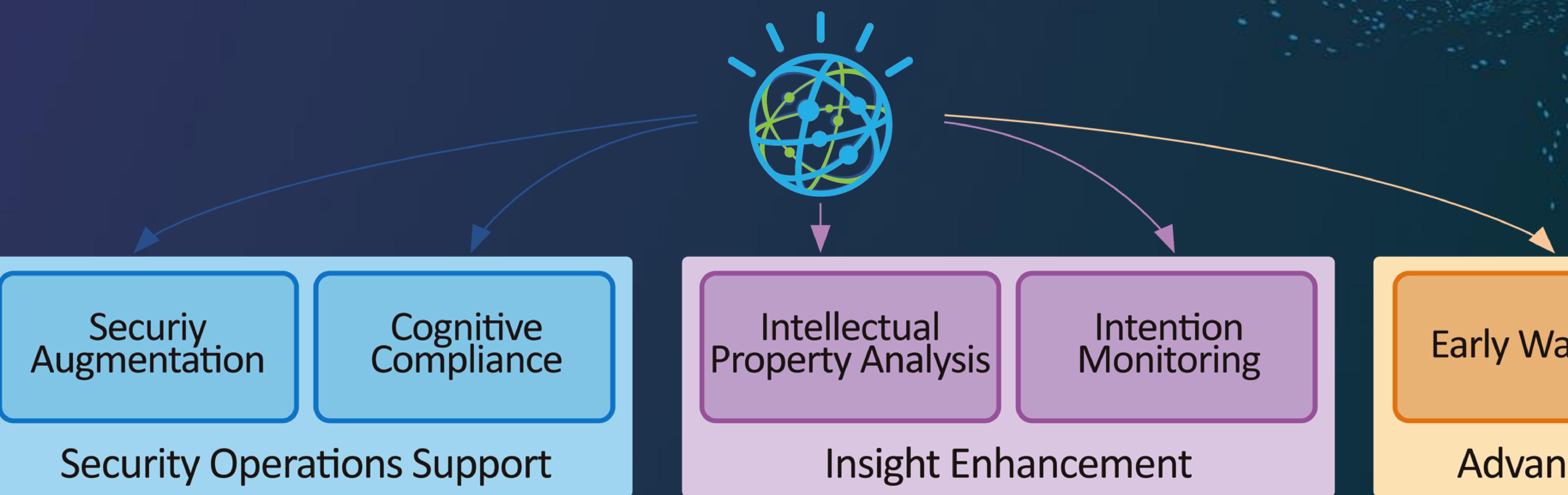
Hi Watson, I see 300 access from IP 5.6.7.8, should I be worry about it?

Hi Watson, how many user download file xyz will go to abc.com/test.php within 24 hours?

Hi Watson, how many attacks are related to 1.2.3.4 in health care industry in past 12 hours?



关键在于用对的方法使用认知运算



认知体系下的资讯安全架构

认知安全

大数据分析

深度的情资整合

专业资安团队的服务

行业的专精

传统资讯安全部署

“真正的吸收了解所有的情资并加以运用”

“找到所有有威胁的情报”

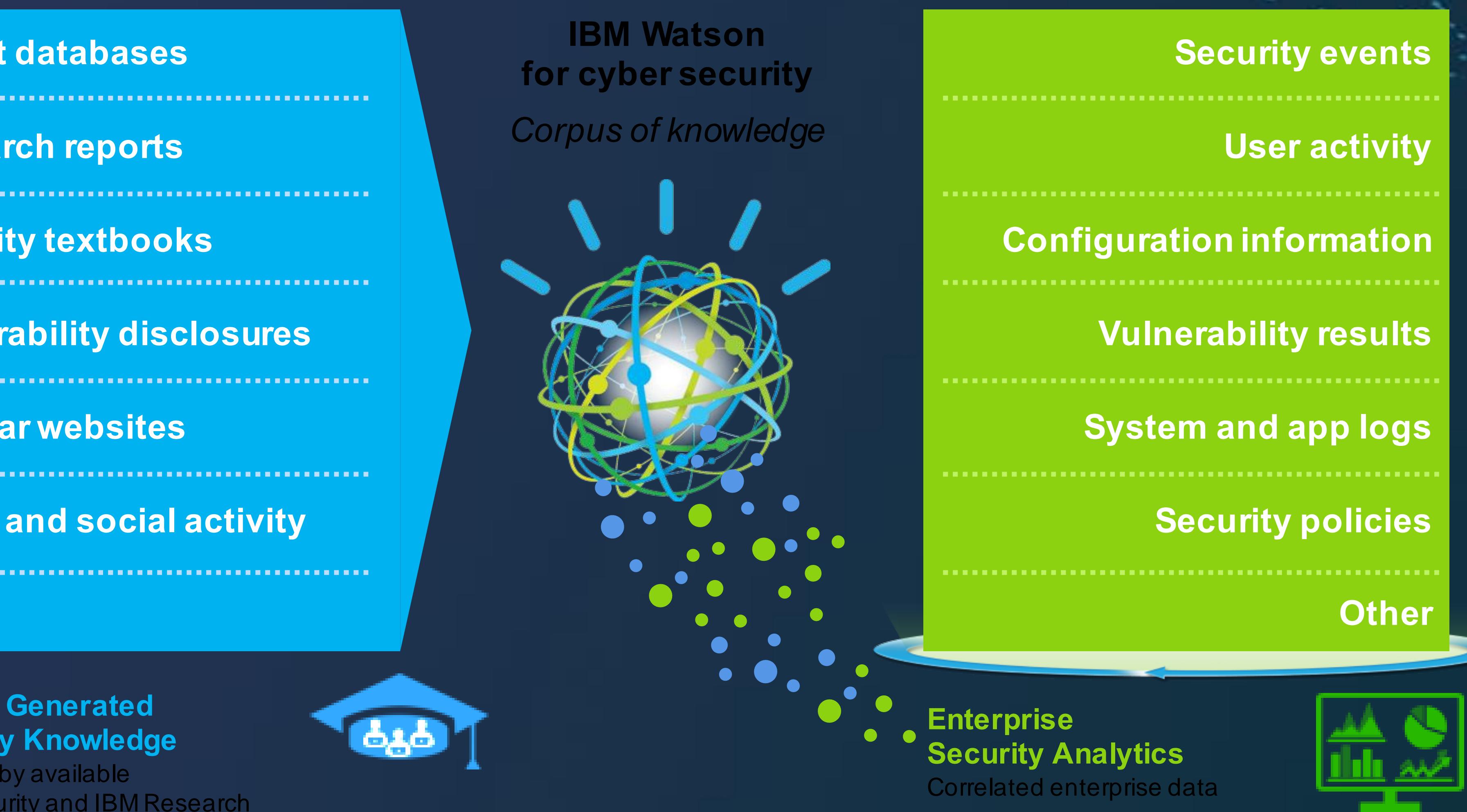
“快速的识别真正的威胁”

“我很忙，我只想知道真的有威胁的事件”

“隔壁银行的资讯安全团队最近在忙啥？”

”告诉我最即时的资安状态”

Watson 提供了更深一层的见解



认知运算加强了感知能力

更深层的资安见解

Context and Intent

Corporate Data

Public Data

Relationships

Aliases

Associates

Security Intelligence

Threat Data
(STIX/TAXII)

Data Feeds
(syslog, LEEF,
IPFIX, SNMP, APIs)

Thanks