



使用大数据和情报驱动安全性 防御有针对性的攻击

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专题会议 ID : TH-2004
专题会议分类 : 高级

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议程

- 当今的安全和威胁形势
- 大数据和情报驱动安全性的兴起
- 两个简单的案例研究
- 问题



当今的安全形势



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当今的安全形势



- 过于依赖外围安全性和“违规前检查工具”是失败的策略
- 与对手、材料资产和真实难题相比，过多关注 ISO27001 和法规遵从性
- 网络安全需要全面检查...

组织不了解其对手

国家行动者



国家

政府、国防工业基地、
IP 丰富的组织

犯罪分子



小规模犯罪分子

不复杂



有组织的犯罪

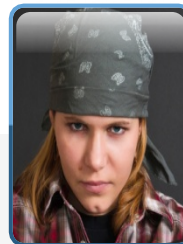
有组织的、复杂的供应链
(PII、财务服务、零售)

非国家行动者



内部人员

各种原因，包括协作



网络恐怖分子/
黑客活动家

政治机会目标，大规模破坏

为什么预防作为安全策略是远远不够的？

目标 – 阻止或限制进出网络的未授权连接

现实情况 – 对手的恶意软件使用“允许的路径”（DNS、HTTP、SMTP 等）作为您网络中的 C&C 和数据外泄通道

当前 AV 和 IPS 关注的是漏洞，基于签名，并且需要不断更新才能发挥作用。由于恶意软件生产级别的原因，这些签名会滞后数天至数周



Just a question on signatures...

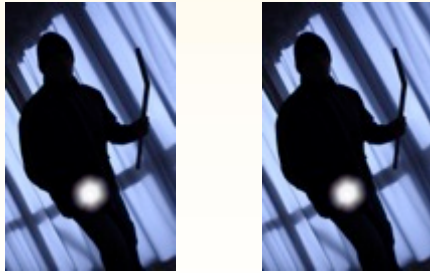
来自 AV 论坛

Does the signature team not do Zeus/ZBot configuration files? We have submitted a number (20+) of ".bin" files over the last 6-8 weeks but have yet to see these files detected using "Official" signatures. Should we not submit these files?

Tom

将“坏的”与“好的”区分开变得越来越难

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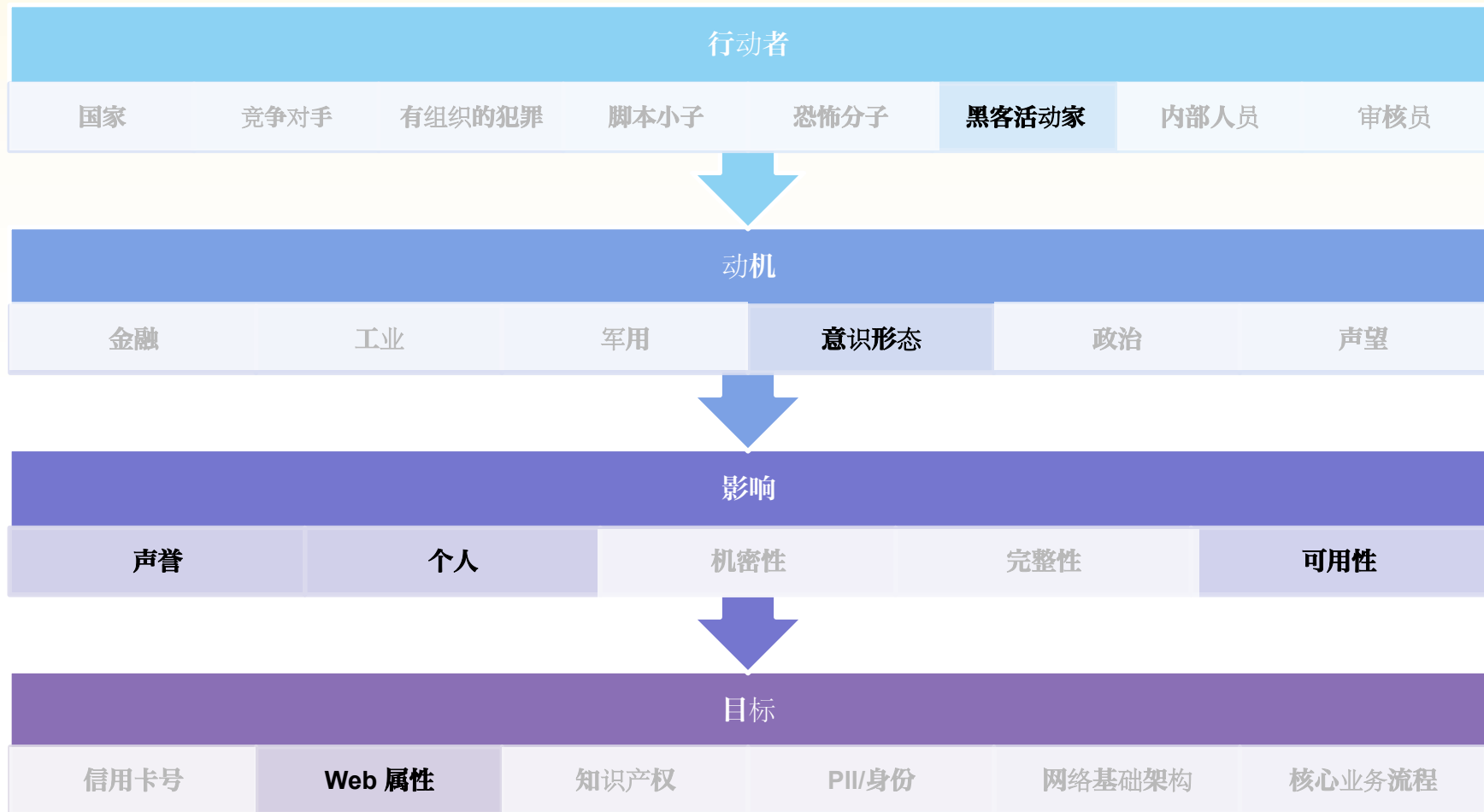
= 坏的



= 坏的

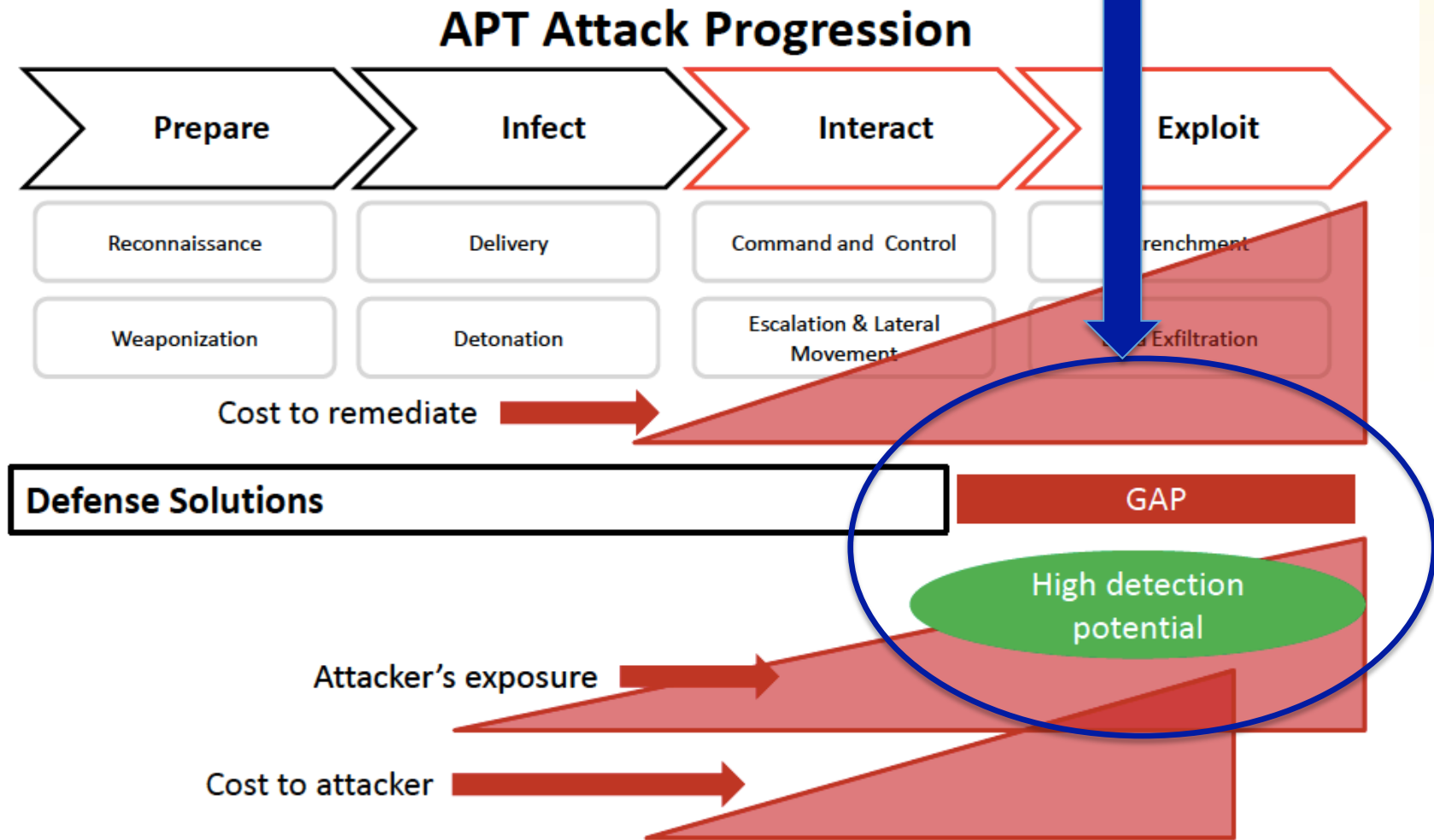
- 了解“坏的”看起来是什么样子的并查找类似的内容
 - 防病毒
 - 入侵防御系统
 - 超过了阈值
- 了解“好的”看起来是什么样子的并查找有意义的区别
 - 网络分析和基准衡量
 - 异常检测
 - 预测失败分析

创建威胁模型



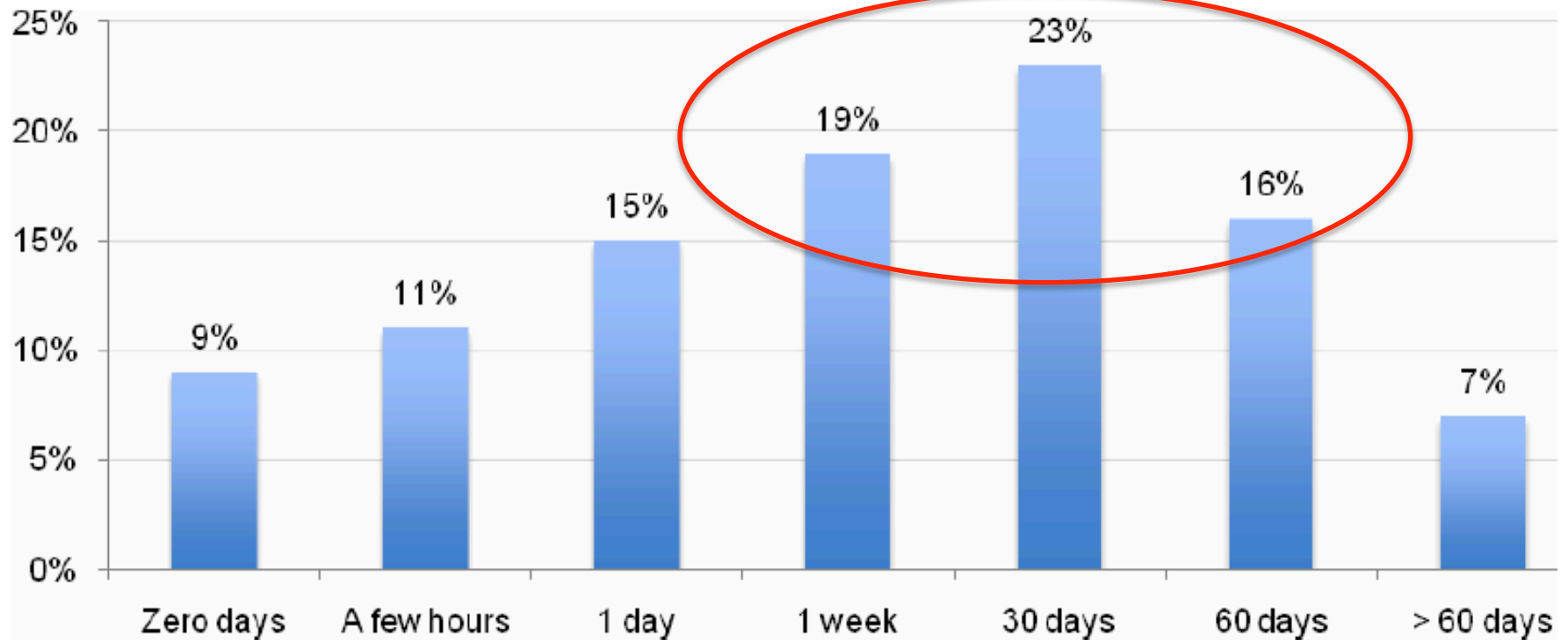
攻击者“自由时间”

什么级别的资源正好位于这里？



检测时间 – 不太好..

Bar Chart 13: Length of time before an advanced threat is detected



来源：Ponemon Institute



大数据和安全情报的 兴起



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什么是大数据？

- “大数据是指常用软件工具无法在可容忍的时间内捕获、管理和处理其大小的数据集。”— 维基百科
- “数据增长挑战是三维的，数量（数据量）、速度（数据输入/输出速度）和多样性（数据类型范围、来源）都在增加。”— 分析报告
- “44% 的大型组织每月至少收集 1 TB 的日志文件。11% 的大型组织说他们每月捕获的数据超过 10 TB。”— ESG Research

安全操作的数据挑战

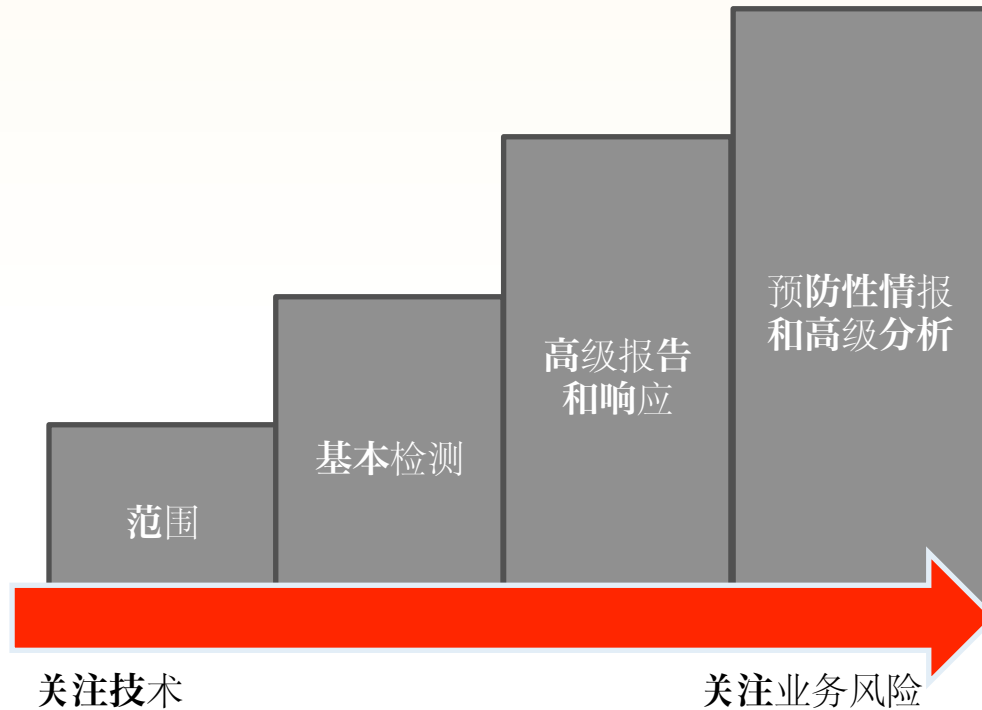
- 数据量
 - 减少数据“干扰”
- 可访问性
 - 集中化不可行
- 滞后时间
 - 数据相对于手头问题来说有多新
- 保留
 - 与其他方法（归档）相比，多少数据需要联机
- 非连续源
 - 合并上下文数据
- 数据分析（最重要）
 - 实时查询

安全分析师采用大数据的障碍

- 缺乏上下文
 - 从系统外部的数据获得见解
- 模糊的非结构化数据
 - 需要熟悉的标准化数据语言
- 系统数据减少
 - 尝试筛选“不重要的”数据
- 自动化日常任务
 - 履行工作职能，同时仍有时间进行新的分析

通往更先进的安全操作方法的进程是什么？

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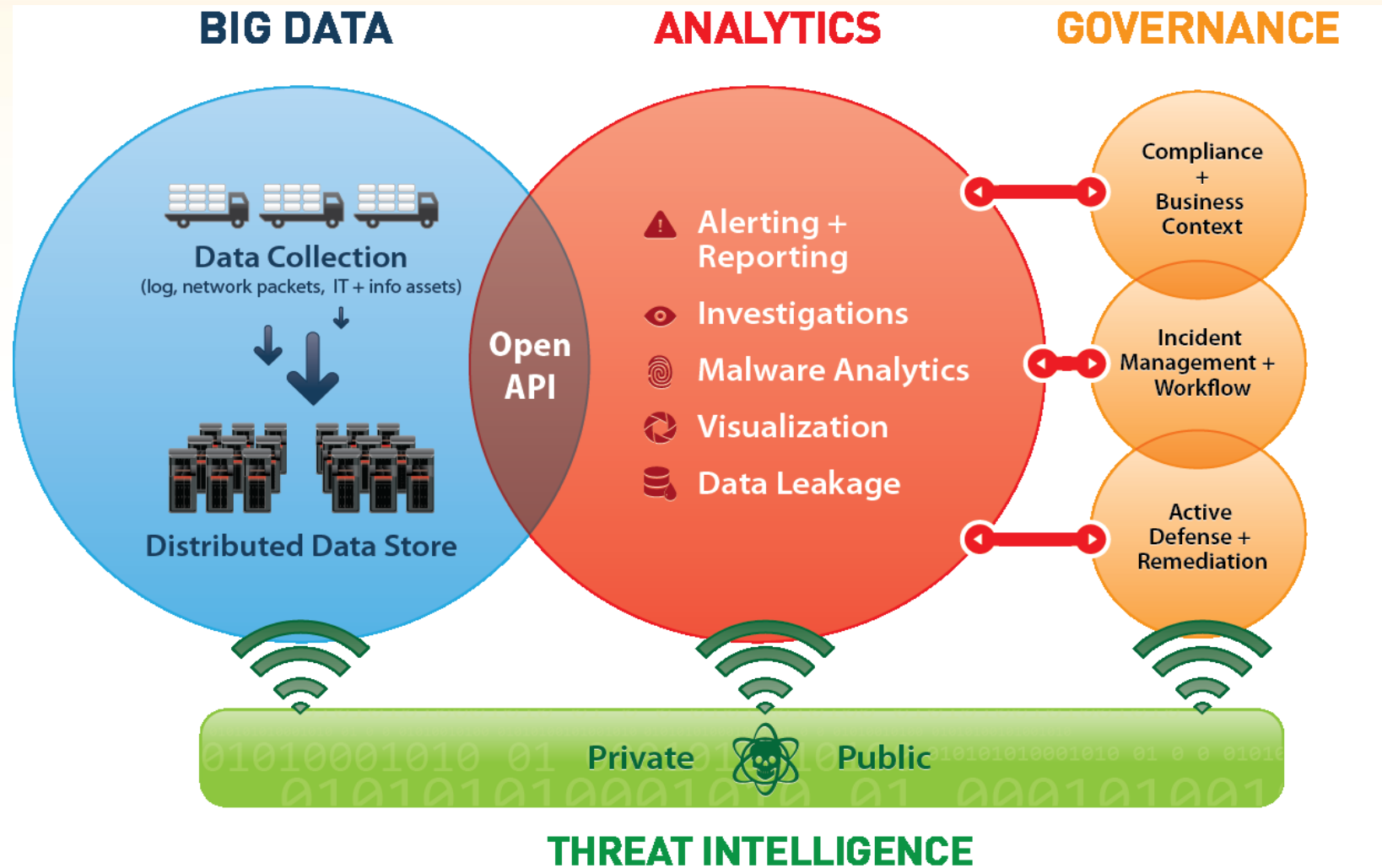
建立大数据体系结构理念

- 将您的数据留在原处
 - 分布式数据模型
 - 集中化效率太低
 - 消除数据重复
 - 节省网络带宽
- 将数据提供给需要它的人
 - 分层数据模型
 - 可访问性
 - 查询速度
- 利用上下文数据
 - 上下文越多，了解越深

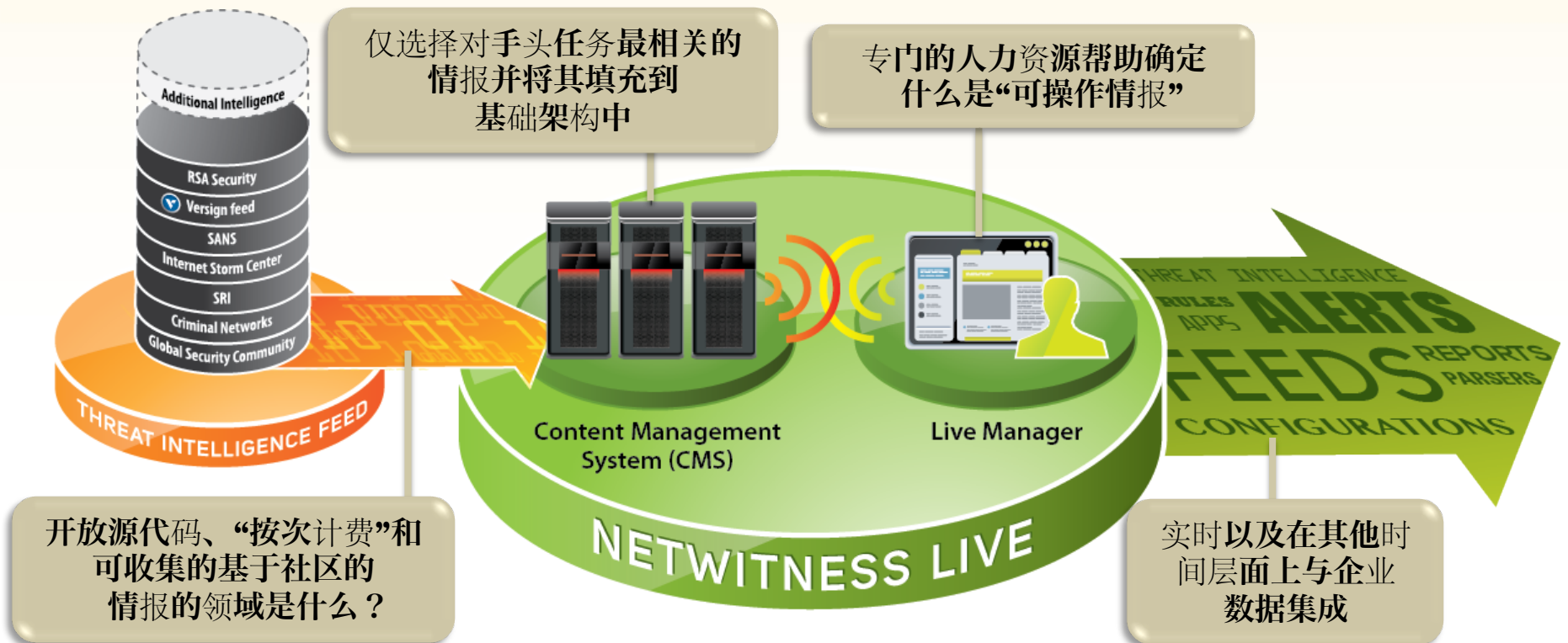
建立大数据分析理念

- “预挖掘”数据情报
 - 在捕获时增添价值（分析和扩充）
 - 快速分析重要数据
- 实现专门分析
 - 不要大海捞针般地进行处理
 - 允许“简化分析”
- 将具有不同需要的职能部门区分开
 - 从技术和时间层面的最佳用法角度进行考虑 – 对您来说，各个最佳用法是什么？
 - 复杂的事件处理
 - 归档
 - 实时
 - 法规遵从性

大数据 + 情报 — 重要特性



大数据与威胁情报的融合



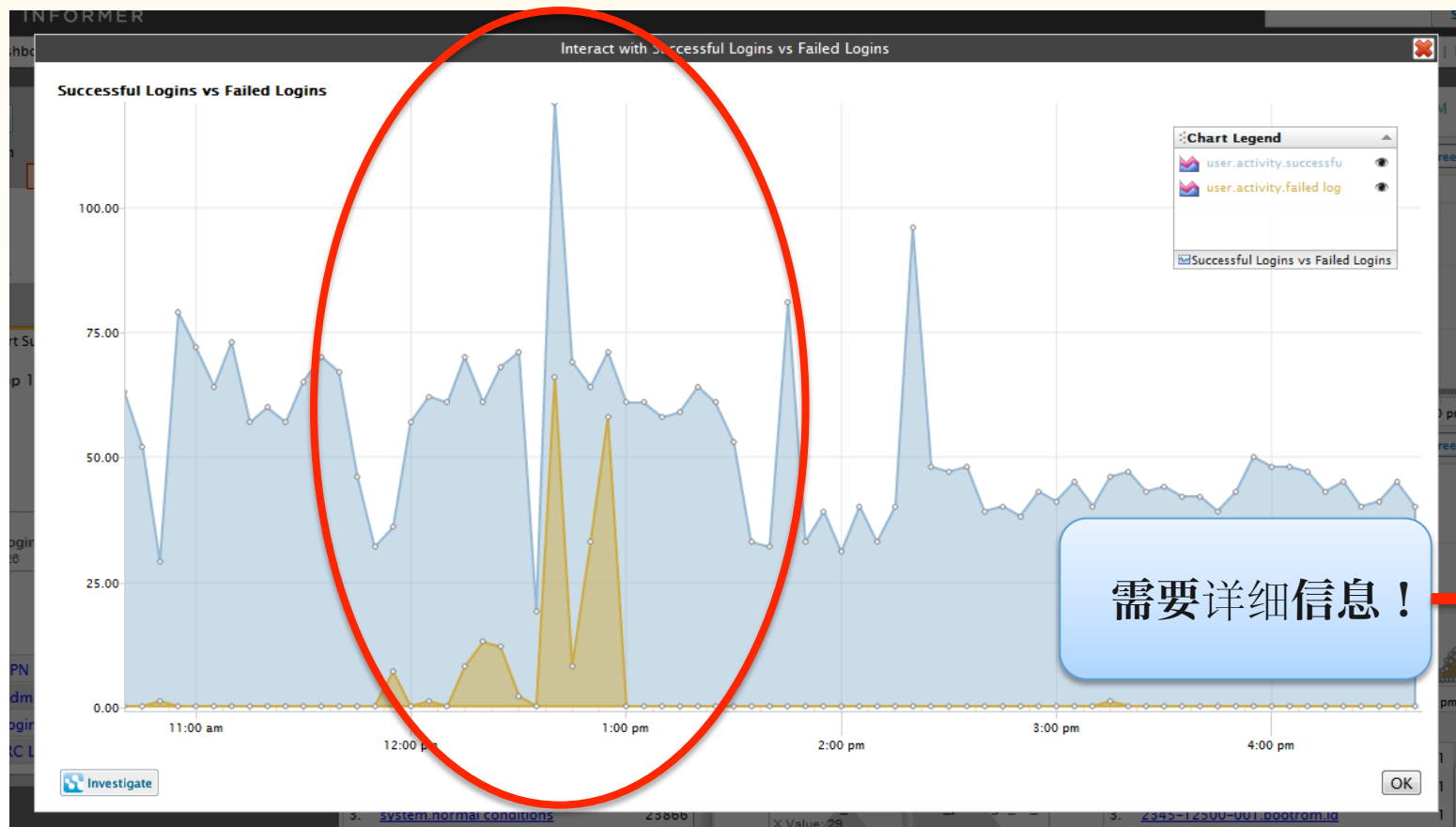


两个简单的案例研究



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完整数据包和日志覆盖

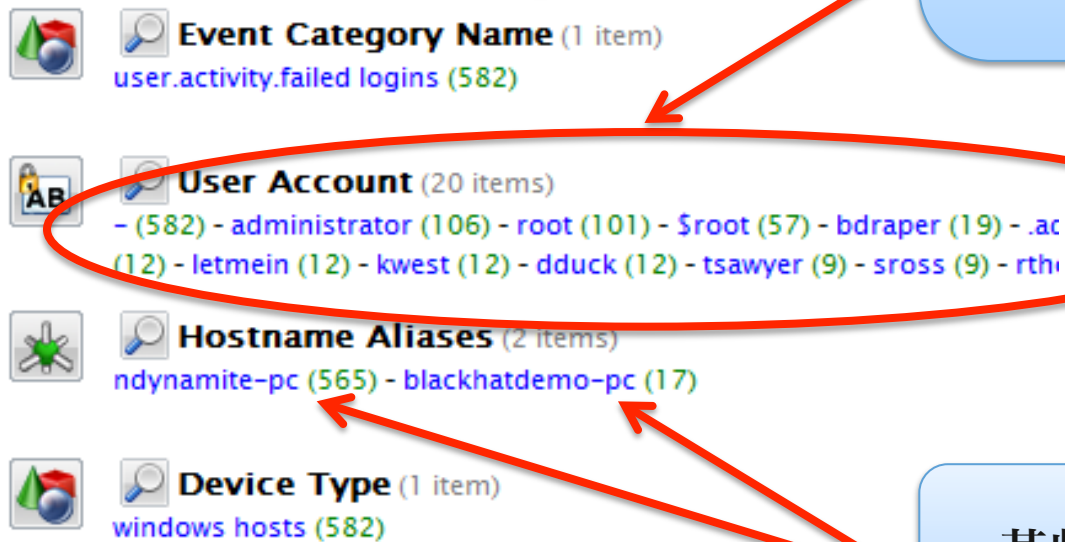


登录图表显示与成功和失败的登录尝试关联的活动。

即时了解可能“拥有的”机器

从基于日志条目“failed logins”的报告进行透视

完整数据包会话还显示与活动关联的所有用户帐户和主机名



某些主机名的活动比其他主机名的多

对“ndynamite-pc”进行透视

-  **Event Category Name** (1 item)
user.activity.failed logins (565)
-  **Service Type** (3 items)
SMB (29) - DHCP (14) - NETBIOS (1)
-  **User Account** (20 items)
- (565) - administrator (106) - root (101) - \$root (57) - bdraper (19) - .admin (19) - jjohnson (18) - grandma (18) - urico (15) - bspears (15) - letmein (12) - kwest (12) - dduck (12) - tsawyer (9) - sross (9) - rthompson (9) - lwelk (9) [\[more\]](#)
-  **Source IP Address** (3 items)
137.69.131.60 (40) - 137.69.129.1 (3) - 137.69.131.37 (1)
-  **Destination IP address** (3 items)
137.69.129.15 (32) - 255.255.255.255 (11) - 137.69.129.16 (1)
-  **Hostname Aliases** (7 items)
ndynamite-pc (609) - ymohammed-e4310 (2) - smoore-pc (1) - pmccormick (1) - leroy (1) - kcooke-e4300 (1) - informer (1)

我们再次看到“大数据”混合日志和原始会话

此 IP 地址具有大量活动

基于 IP 地址 137.69.131.60 的 透视

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- 分析 IP 地址的所有活动
 - 继承内容、情报、本机导航路径

Event Category Name (1 item)
user.activity.successful logins (1)

Service Type (12 items)
DNS (3,648) - HTTP (2,933) - OTHER (1,356) - SSL (123) - SMB (77) - DHCP (19) - IRC (8) - RDP (7) - NETBIOS (6) - RPC (4) - BITTORRENT (3) - SNMP (2)

Risk: Informational (13 items)
http1.1_without_accept_header (1,833) - http1.1_without_user-agent_header (1,257) - http1.1_without_referer_header (1,047) - http1.1_without_server_header (863) - http1.1_without_connection_header (828) - list_filter (561) - http1.1_server_location_redirect (83) - http1.1_without_host_header (64) - http_client_server_version_mismatch (41) - http1.0_unsupported_cache_header (41) - http1.0_without_server_header (38) - common document formats (29) - http1.0_unsupported_etag_header (13) - http_contentdisposition_with_filename (8) - high risk filetypes (8) - http1.0_server_location_redirect (7) - http_direct_to_ip_request (6) - url shortening service (4)

Risk: Suspicious (2 items)
watchlist countries (26) - watchlist tld (4)

User Account (4 items)
p4n0r4m4 (8) - kbuonforte (1) - diy3asr2ir3i3ab7jrhtb (1) - - (1)

Source IP Address (1 item)
137.69.131.60 (8,187)

成功的登录

国家/地区观察名单?

IRC ? Bittorrent ?

成功的登录条目的日志事件

-  **Event Category Name** (1 item)
user.activity.successful logins (1)
-  **User Account** (2 items)
kbuonforte (1) -- (1)
-  **Source IP Address** (1 item)
137.69.131.60 (1)
-  **Device Type** (1 item)
windows hosts (1)
-  **Device** (1 item)
winevent_nic (1)
-  **Device Class** (1 item)
access (1)
-  **Process** (1 item)
kerberos (1)
-  **Event Source** (1 item)
microsoft-windows-security-auditing (1)
-  **Vendor Message ID** (1 item)
security_4624_microsoft-windows-security-auditing (1)

可能受到攻击的 ID

NetWitness Investigator 9

Collection Edit View Bookmarks History Help

All Data tim-macbook.local > logon failure not primary user

tim-macbook.local:50005 tim-macbook.local

2011-10-25 00:02 2011-10-25 00:44

Risk: Suspicious (1 item)
logon failure not primary user (47)

Critical Resource (2 items)
senior executive (10) - personnel data (1)

Source Subnet Location (5 items)
b4-f1 (13) - b0-f0 (12) - b1-f2 (10) - b03-f3 (10) - b4-f2 (2)

Primary Resource (4 items)
awalsh (13) - mdavis (10) - apatterson (10) - kellis (2)

Hostname Aliases (16 items)
f73-b-198 (13) - d25-a-541 (10) - b13-c-004 (10) - m42-d-253 (2) - g67-e-480 (1) - g67-e-462 (1) - g67-e-461 (1) - g67-e-460 (1) - g67-e-459 (1) - g67-e-458 (1) - g67-e-456 (1) - g67-e-455 (1) - g67-e-454 (1) - g67-e-453 (1) - g67-e-452 (1) - g67-e-451 (1)

Destination User Account (18 items)
fgreen (11) - thanna (10) - apatterson (10) - kellis (2) - vhansen (1) - sgolden (1) - rtaylor (1) - nbyrd (1) - mspencer (1) - mreed (1) - jsargent (1) - jowen (1) - gdodson (1) - enichols (1) - ebrown (1) - dfox (1) - dcurtis (1) - cvaden (1)

Source IP Address (16 items)
10.18.34.123 (13) - 10.100.51.157 (10) - 10.43.55.202 (10) - 10.25.88.172 (2) - 10.226.41.226 (1) - 10.10.12.67 (1) - 10.10.12.61 (1) - 10.10.12.60 (1) - 10.10.12.59 (1) - 10.10.12.58 (1) - 10.10.12.56 (1) - 10.10.12.55 (1) - 10.10.12.54 (1) - 10.10.12.53 (1) - 10.10.12.52 (1) - 10.10.12.51 (1)

Domain Name (1 item)
domain-us (47)

Event Subject (1 item)
user (47)

Event Activity (1 item)
logon (47)

Event Theme (1 item)
authentication (47)

Event Outcome (1 item)

tim-macbook.local Logs

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Time	Log
2011-10-25 00:44:05	%NICWIN-0-Security_4625_Microsoft-Windows-Security-Auditing: Security,rn=0x0001f1b3 cid=0x00003100 eid=0x00001211,Mon Oct 17 19:03:12 2011,4625,Microsoft-Windows-Security-Auditing, Security Audit Failure,D25-A-541,Logon, An account failed to log on. Subject: Security ID: S-1-0-0 Account Name: apatterson Account Domain: DOMAIN-US Logon ID: 0x0 Logon Type: 3 Account For Which Logon Failed: Security ID: S-1-0-0 Account Name: apatterson Account Domain: DOMAIN-US Failure Information: Failure Reason: Unknown user name or bad password. Status: 0xc000006d Sub Status: 0xc0000064 Process Information: Caller Process ID: 0x0 Caller Process Name: - Network Information: Workstation Name: D25-A-541 Source Network Address: 10.43.55.202 Source Port: - Detailed Authentication Information: Logon Process: NtLmSsp Authentication Package: NTLM Transited Services: - Package Name (NTLM only): - Key Length: 0 This event is generated when a logon request fails. It is generated on the computer where access was attempted. The Subject fields indicate the account on the local system which requested the logon. This is most commonly a service such as the Server service, or a local process such as Winlogon.exe or Services.exe. The Logon Type field indicates the kind of logon that was requested. The most common types are 2 (interactive) and 3 (network). The Process Information fields indicate which account and process on the system requested the logon. The Network Information fields indicate where a remote logon request originated. Workstation name is not always available and may be left blank in some cases. The authentication information fields provide detailed information about this specific logon request. - Transited services indicate which intermediate services have participated in this logon request. - Package name indicates which sub-protocol was used among the NTLM protocols. - Key length indicates the length of the generated session key. This will be 0 if no session key was requested.

可疑事件

NetWitness Investigator 9

Collection Edit View Bookmarks History Help

All Data tim-macbook.local > f73-b-198 > logon failure not primary user

tim-macbook.local:50005 tim-macbook.local tim-macbook.local

2011-10-25 00:02 2011-10-25 00:44

Risk: Suspicious (1 item)
logon failure not primary user (13)

Source Subnet Location (1 item)
b4-f1 (13)

Primary Resource (1 item)
awalsh (13)

Hostname Aliases (1 item)
f73-b-198 (13)

Destination User Account (13 items)
vhansen (1) - sgolden (1) - rtaylor (1) - nbyrd (1) - mspencer (1) - mreed (1) - jsargent (1) - ggodson (1) - enichols (1) - ebrown (1) - dfox (1) - dcurtis (1) - cvaden (1)

Source IP Address (1 item)
10.18.34.123 (13)

Domain Name (1 item)
domain-us (13)

Event Subject (1 item)
user (13)

Event Activity (1 item)
logon (13)

Event Theme (1 item)
authentication (13)

Event Outcome (1 item)
failure (13)

Event Category Name (1 item)
user.activity.failed logins (13)

尝试多次的登录

tim-macbook.local Logs

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Displaying 1 - 13 of 13

Time	Log
2011-10-25 00:44:05	%NICWIN-0-Security_4625_Microsoft-Windows-Security-Auditing: Security,rn=0x0001f1b3 cid=0x00003100 eid=0x00001211,Mon Oct 17 19:03:12 2011,4625,Microsoft-Windows-Security-Auditing,,Security Audit Failure,F73-B-198,Logon,,An account failed to log on. Subject: Security ID: S-1-0-0 Account Name: jsargent Account Domain: DOMAIN-US Logon ID: 0x0 Logon Type: 3 Account For Which Logon Failed: Security ID: S-1-0-0 Account Name: jsargent Account Domain: DOMAIN-US Failure Information: Failure Reason: Unknown user name or bad password. Status: Oxc000006d Sub Status: 0xc0000064 Process Information: Caller Process ID: 0x0 Caller Process Name: - Network Information: Workstation Name: F73-B-198 Source Network Address: 10.18.34.123 Source Port: - Detailed Authentication Information: Logon Process: NtLmSsp Authentication Package: NTLM Transited Services: - Package Name (NTLM only): - Key Length: 0 This event is generated when a logon request fails. It is generated on the computer where access was attempted. The Subject fields indicate the account on the local system which requested the logon. This is most commonly a service such as the Server service, or a local process such as Winlogon.exe or Services.exe. The Logon Type field indicates the kind of logon that was requested. The most common types are 2 (interactive) and 3 (network). The Process Information fields indicate which account and process on the system requested the logon. The Network Information fields indicate where a remote logon request originated. Workstation name is not always available and may be left blank in some cases. The authentication information fields provide detailed information about this specific logon request. - Transited services indicate which intermediate services have participated in this logon request. - Package name indicates which sub-protocol was used among the NTLM protocols. - Key length indicates the length of the generated session key. This will be 0 if no session key was requested.
2011-10-25 00:44:05	%NICWIN-0-Security_4625_Microsoft-Windows-Security-Auditing: Security,rn=0x0001f1b3 cid=0x00003100 eid=0x00001211,Mon Oct 17 19:03:12 2011,4625,Microsoft-Windows-Security-Auditing,,Security Audit Failure,F73-B-198,Logon,,An account failed to log on. Subject: Security ID: S-1-0-0 Account Name: vhansen Account Domain: DOMAIN-US Logon ID: 0x0 Logon Type: 3 Account For Which Logon Failed: Security ID: S-1-0-0 Account Name:

NetWitness Investigator 9

Collection Edit View Bookmarks History Help

All Data tim-macbook.local

tim-macbook.local:50005 tim-macbook.local

< 2011-10-25 00:02 2011-10-25 00:44 >

Risk: Informational (1 item)
account lockout (2)

Risk: Suspicious (3 items)
logon failure not primary user (47) - critical resource illegal logon (2) - critical resource creates users (1)

Critical Resource (4 items)
senior executive (12) - personnel data (5) - database (1) - credit card (1)

Source Subnet Location (9 items)
b02-f2 (22,362) - b01-f1 (20,840) - b03-f1 (5,792) - b02-f3 (191) - b4-f1 (13) - b0-f0 (13) - b1-f2 (10) - b03-f3 (10) - b4-f2 (2)

Primary Resource (4 items)
awalsh (13) - mdavis (12) - apatterson (12) - kellis (5)

Hostname Aliases (20 of 24+ items)
server 1 (136) - dhcp (107) - 2011 (103) - 172.16.0.72 (95) - shmoosim (77) - 172.16.0.71 (66) - f73-b-198 (13) - d25-a-541 (12) - b13-c-004 (12) - m42-d-253 (5) - g67-e-480 (5) - g67-e-462 (2) - s19-d-355 (1) - g67-e-461 (1) - g67-e-460 (1) - g67-e-459 (1) - g67-e-458 (1) - g67-e-457 (1) - g67-e-456 (1) - g67-e-455 (1) [more]

Source User Account (2 items)
admin (26) - root (19)

Destination User Account (20 of 41+ items)
tcp fins (33,998) - tcp reset-i (21,163) - syn timeout (2,456) - tcp reset-o (1,930) - fin timeout (688) - connection timeout (601) - root (444) - enable_15 (428) - shmoo (62) - operator (51) - admin (39) - munin (38) - fgreen (17) - anonymous (17) - jlt (15) - thanna (12) - system (12) - apatterson (12) - jrfulmer (7) - kellis (6) [more]

Source IP Address (20 of 2157+ items)
10.13.0.50 (165,440) - 209.244.0.3 (>100000 - 90%) - 10.10.1.48 (48,416) - 64.13.161.61 (45,235) - 8.8.8.8 (19,766) - 209.244.0.4 (16,602) - 10.10.1.43 (15,397) - 10.10.0.250 (13,618) - 172.16.6.10 (12,098) - 10.10.0.200 (11,693) - 10.10.1.31 (10,806) - 72.14.204.19 (9,099) - 10.10.1.45 (7,337) - 10.10.1.4 (6,645) - 172.16.0.5 (5,949) - 184.168.85.77 (5,322) - 10.10.1.22 (5,013) - 10.10.1.33 (4,958) - 172.16.0.163 (4,761) - 10.10.1.53 (4,675) [more]

Destination IP address (20 of 4777+ items)
216.141.83.174 (>100000 - 1%) - 10.10.1.48 (44,673) - 10.10.1.43 (15,105) - 10.10.0.250 (13,252) - 10.10.254.253 (12,431) - 10.10.0.200 (10,669) - 10.10.1.31 (10,034) - 172.16.6.10 (9,245) - 10.10.1.45 (7,696) - 172.16.0.5 (5,912) - 172.16.1.25 (5,909) - 10.10.1.4 (5,701) - 172.16.0.163 (5,298) - 10.10.1.33 (5,122) - 10.10.1.53 (4,793) - 10.10.1.25 (4,598) - 10.10.0.183 (4,296) - 10.10.0.36 (4,260) - 172.16.6.128 (4,238) - 10.11.0.138 (4,198) [more]

Domain Name (2 items)

tim-macbook.local Logs

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Time	Log
2011-10-25 00:02:19	%ASA-4-419002: Duplicate TCP SYN from management: 172.16.0.153/1543 to outside: 134.141.79.47/8192 with different initial sequence number
2011-10-25 00:02:19	%ASA-4-106023: Deny udp src ustream: 172.16.8.9/58589 dst outside: 8.8.8.8/53 by access-group "ustream_access_in" [0x0, 0x0]
2011-10-25 00:02:19	%ASA-4-106023: Deny udp src ustream: 172.16.8.9/58589 dst outside: 4.2.2.2/53 by access-group "ustream_access_in" [0x0, 0x0]
2011-10-25 00:02:19	%ASA-4-106023: Deny udp src ustream: 172.16.8.9/58589 dst outside: 8.8.8.8/53 by access-group "ustream_access_in" [0x0, 0x0]
2011-10-25 00:02:19	%ASA-4-106023: Deny udp src ustream: 172.16.8.9/58589 dst outside: 4.2.2.2/53 by access-group "ustream_access_in" [0x0, 0x0]
2011-10-25 00:02:19	%ASA-5-111007: Begin configuration: 192.168.78.10 reading from http [POST]
2011-10-25 00:02:19	%ASA-5-111008: User 'enable_15' executed the 'no name 172.16.0.0 Private_IP_Range_2' command.
2011-10-25 00:02:19	%ASA-5-111008: User 'enable_15' executed the 'name 172.16.0.0 mgmt_PRIV' command.
2011-10-25 00:02:19	%ASA-5-111008: User 'enable_15' executed the 'access-list doubledown_access_in line 1 extended permit object-group TCPUDP any 172.16.7.0 255.255.255.0 eq domain' command.
2011-10-25 00:02:19	%ASA-5-111008: User 'enable_15' executed the 'access-list doubledown_access_in line 2 extended deny ip any object-group Private_IP_Range' command.
2011-10-25 00:02:19	%ASA-5-111008: User 'enable_15' executed the 'access-list doubledown_access_in line 3 extended permit ip any any' command.
2011-10-25 00:02:19	%ASA-5-111008: User 'enable_15' executed the

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NetWitness Investigator 9

Collection Edit View Bookmarks History Help

All Data tim-macbook.local:50005 > b0-f0 > authentication > fgreen

tim-macbook.local:50005 Logs

Page 1 of 1

Displaying 1 - 12 of 12

Time Log

View 2011-10-25 00:44:05 %NICWIN-0-Security_4625_Microsoft-Windows-Security-Auditing: Security,rn=0x0001f1b3 cid=0x00003100 eid=0x00001211,Mon Oct 17 19:03:12 2011,4625,Microsoft-Windows-Security-Auditing,Security Audit Failure,G67-E-452,Logon,An account failed to log on. Subject: Security ID: S-1-0-0 Account Name: fgreen Account Domain: DOMAIN-US Logon ID: 0x0 Logon Type: 3 Account For Which Logon Failed: Security ID: S-1-0-0 Account Name: fgreen Account Domain: DOMAIN-US Failure Information: Failure Reason: Unknown user name or bad password. Status: 0xc000006d Sub Status: 0xc0000064 Process Information: Caller Process ID: 0x0 Caller Process Name: - Network Information: Workstation Name: G67-E-452 Source Network Address: 10.10.12.52 Source Port: - Detailed Authentication Information: Logon Process: NtLmSsp Authentication Package: NTLM Transited Services: - Package Name (NTLM only): - Key Length: 0 This event is generated when a logon request fails. It is generated on the computer where access was attempted. The Subject fields indicate the account on the local system which requested the logon. This is most commonly a service such as the Server service, or a local process such as Winlogon.exe or Services.exe. The Logon Type field indicates the kind of logon that was requested. The most common types are 2 (interactive) and 3 (network). The Process Information fields indicate which account and process on the system requested the logon. The Network Information fields indicate where a remote logon request originated. Workstation name is not always available and may be left blank in some cases. The authentication information fields provide detailed information about this specific logon request. - Transited services indicate which intermediate services have participated in this logon request. - Package name indicates which sub-protocol was used among the NTLM protocols. - Key length indicates the length of the generated session key. This will be 0 if no session key was requested.

View 2011-10-25 00:44:05 %NICWIN-0-Security_4625_Microsoft-Windows-Security-Auditing: Security,rn=0x0001f1b3 cid=0x00003100 eid=0x00001211,Mon Oct 17 19:03:12 2011,4625,Microsoft-Windows-Security-Auditing,Security Audit Failure,G67-E-453,Logon,An account failed to log on. Subject: Security ID: S-1-0-0 Account Name: fgreen Account Domain: DOMAIN-US Logon ID: 0x0 Logon Type: 3 Account For Which Logon Failed: Security ID: S-1-0-0 Account Name:

< 2001-01-08 18:15 2011-10-25 00:44 >

Risk: Suspicious (1 item)
logon failure not primary user (11)

Source Subnet Location (1 item)
b0-f0 (12)

Hostname Aliases (11 items)
g67-e-462 (2) - g67-e-461 (1) - g67-e-460 (1) - g67-e-459 (1) - g67-e-458 (1) - g67-e-456 (1) - g67-e-455 (1) - g67-e-454 (1) - g67-e-453 (1) - g67-e-452 (1) - g67-e-451 (1)

Destination User Account (1 item)
fgreen (12)

Source IP Address (12 items)
10.226.41.226 (1) - 10.10.12.67 (1) - 10.10.12.61 (1) - 10.10.12.60 (1) - 10.10.12.59 (1) - 10.10.12.58 (1) - 10.10.12.56 (1) - 10.10.12.55 (1) - 10.10.12.54 (1) - 10.10.12.53 (1) - 10.10.12.52 (1) - 10.10.12.51 (1)

Domain Name (1 item)
domain-us (11)

Event Subject (1 item)
user (12)

Event Activity (1 item)
logon (12)

Event Theme (1 item)
authentication (12)

Event Outcome (2 items)
failure (11) - success (1)

Event Category Name (2 items)
user.activity.failed logins (11) - user.activity.successful logins (1)

Event Category (2 items)
1401030000 (11) - 1401060000 (1)

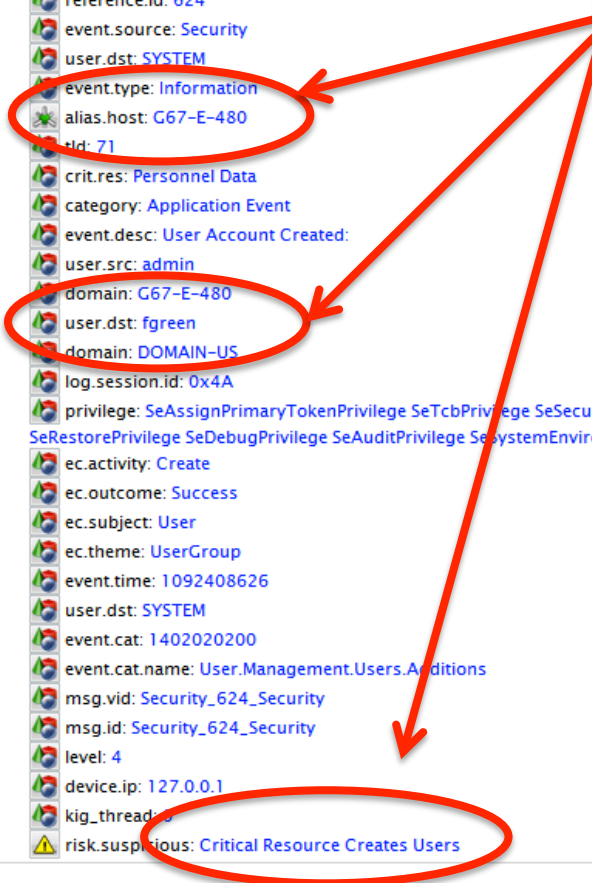
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Time	Service Size	Events
2011-Oct-25 00:44:05	610 B	<ul style="list-style-type: none">medium: logsdevice.type: winevent_nicdevice.type.id: 30msg.table: Windowsdevice.class: Windows Hostsheader.id: 0001event.log: Securityreference.id: 624event.source: Securityuser.dst: SYSTEMevent.type: Informationalias.host: G67-E-480id: 71crit.res: Personnel Datacategory: Application Eventevent.desc: User Account Created:user.src: admindomain: G67-E-480user.dst: fgreendomain: DOMAIN-USlog.session.id: 0x4Aprivilege: SeAssignPrimaryTokenPrivilege SeTcbPrivilege SeSecurityPrivilege SeTakeOwnershipPrivilege SeLoadDriverPrivilege SeBackupPrivilege SeRestorePrivilege SeDebugPrivilege SeAuditPrivilege SeSystemEnvironmentPrivilege SeImpersonatePec.activity: Createec.outcome: Successec.subject: Userec.theme: UserGroupevent.time: 1092408626user.dst: SYSTEMevent.cat: 1402020200event.cat.name: User.Management.Users.Additionsmsg.vid: Security_624_Securitymsg.id: Security_624_Securitylevel: 4device.ip: 127.0.0.1kig_threadrisk.suspicious: Critical Resource Creates Users

fgreen 的行为不正常



摘要关键讯息

- **预防是不可能的 – 考虑重新分配资源（财务、人力、运营） – 您需要从不同的思路思考预防和检测方法。**
- **关注对手和您最重要的材料资产。**
- **安全性是一个大数据问题 – 您需要具有更多数据、更好的分析，并且关注情报驱动的操作。**
- **此工作需要改变您做事的方式 – 您无法购买一种全包式解决方案替您完成一切 – 但确实有一些不错的工具（提示）。**
- **您不应重复相同的过程来查找相同的旧内容 – 为什么要浪费时间？**
- **新情报用于以后自动查找那些 [现在] 已知的威胁（届时将不可调查或不可检测）。**
- **如果您不从不同的思路思考安全管理，您将会失败。**



问题解答



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谢谢大家！

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