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TRANSFORM

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Extend EDR Visibility by Logging Everything: Demo with Free Integrations

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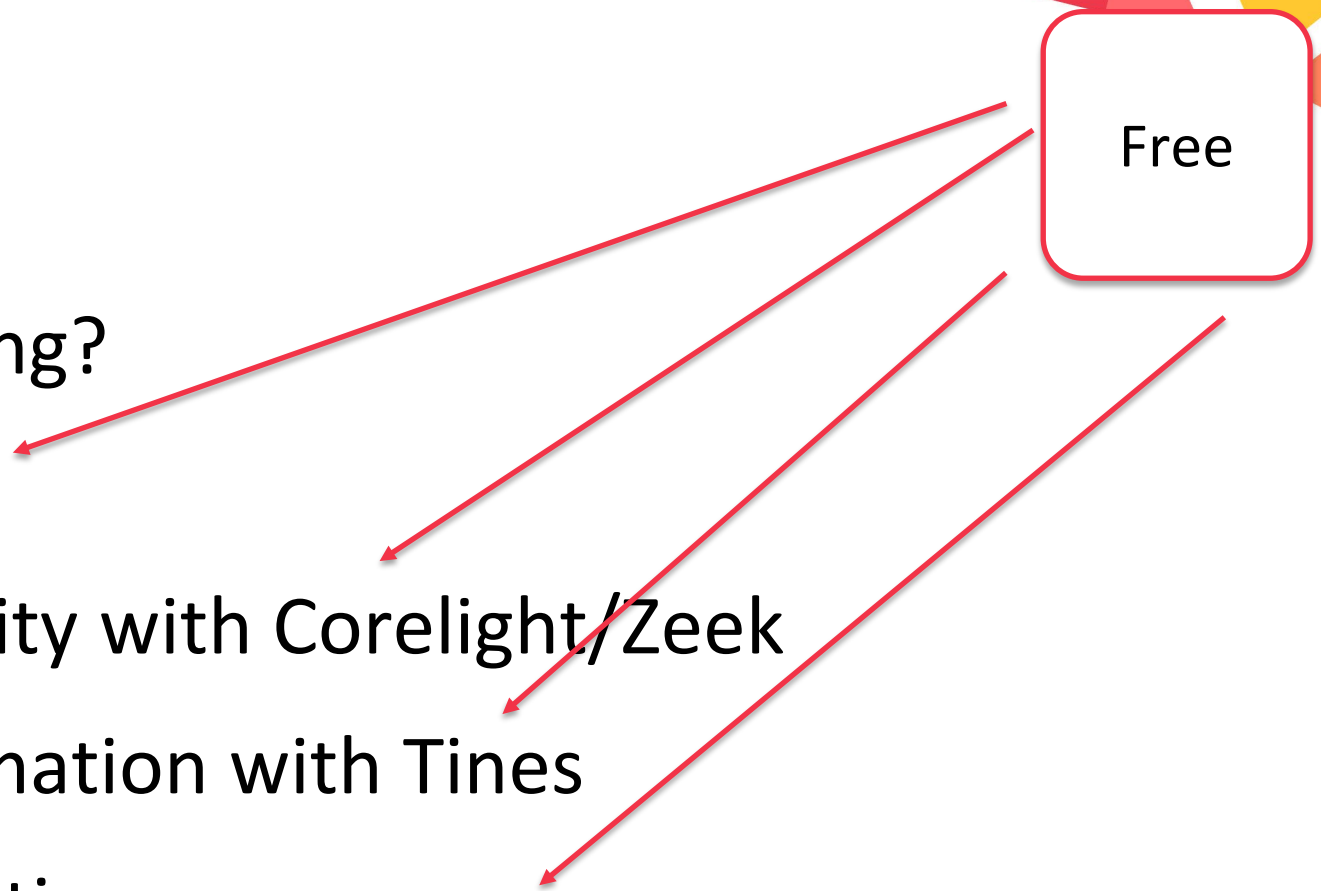
Agenda

- What is XDR?
- What data is worth logging?
- Logging data in Humio
- Extending Falcon's visibility with Corelight/Zeek
- Extending Humio's automation with Tines
- Close the Loop with ticketing



Why?

- Environment for
  - Demo
  - Education
  - Show off Humio Community Edition

Free

Get Started With Humio

Humio Community Edition

Unleash the power of streaming observability at no cost.

- Ingest up to 16GB per day
- 7-day retention
- Ongoing usage with no trial period and no credit card required

Access Free Now

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XDR


Congratulations! Your
EDR
evolved into
XDR!

Sine qua non of Detection & Response

All the data you might need in your next investigation

CROWDSTRIKE

Sine qua non of Detection & Response

All the data you might need in your next investigation to have the context and confidence to

Sine qua non of Detection & Response

All the data you might need in your next investigation to have the context and confidence to assess a false positive

Sine qua non of Detection & Response

All the data you might need in your next investigation to have the context and confidence to identify a breach

Sine qua non of Detection & Response

All the data you might need in your next investigation to have the context and confidence to discover the root cause

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Extending EDR Visibility

Into the Network

Zeek & Corelight

- Open Source: Zeek
- Free: Corelight @ Home!
- Visibility
  - Devices not running EDR
  - Great network traffic detail
- Correlation
  - Community ID

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Logging Problem

- A more general lesson: How do you calculate TCO for a set of logs?
- How to cut costs of logging?
  - Don’t log it
  - Reduce retention
  - Sample (e.g. metrics)
  - Assessment (e.g. alerts)

Logging Problem

- A more general lesson: How do you calculate TCO for a set of logs?
- How to increase benefit of logging
  - Log more
  - Share more
  - Reduce search time

Community ID

- Hash a network connection
  - Protocol, Source IP, Destination IP, Source Port, Destination IP, ICMP Type, ICMP Code, Seed
- #type = “CrowdStrike”
  AND #event_simpleName=NetworkConnectIP4
  | join({#type=“Zeek”}, field=_community_id)
- Done!

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CommunityID in Humio

Talon3FDR | Search | Dashboards | Alerts | Parsers | Files | Settings

Auto (Table) | Queries | Language syntax | Table widget | Last 24h (Static) | Run

```
1 #event_simpleName=Network* |
2 communityId(proto=Protocol, sourceip=LocalAddressIP4, sourceport=LocalPort, destinationip=RemoteAddressIP4, destinationport=RemotePort)
3 | table([@timestamp, _community_id, LocalAddressIP4, LocalPort, RemoteAddressIP4, RemotePort, Protocol, aid], limit=20)
```

Results | Events

Fields | Hits: 766 | Speed: 0.05 GB/s | EPS: 65.58k | Work: 0 | Completion: 100% | Status: Done | Save as...

Fields	#
@timestamp	18
LocalAddressIP4	5
LocalPort	20
Protocol	1
RemoteAddressIP4	17
RemotePort	2
_community_id	20
aid	7

@timestamp	_community_id	LocalAddressIP4	LocalPort	RemoteAddressIP4	RemotePort	Protocol	aid
2021-12-11 14:12:59	1:IMacrYLP1Am/NGJ7PcwA5B9Q5sc=	172.17.0.29	64520	13.69.239.72	443	6	edbd072bd70e415290d713231e46df69
2021-12-11 14:12:41	1:BqMHjTKNez/NpGEbILmE77/6xcM=	172.17.0.26	51424	13.69.239.72	443	6	94c9add4a3364b1d9dbaac86d7c1073a
2021-12-11 14:03:42	1:2Mgd0Fy+Bax/U9MTWZhsOausPiw=	172.17.0.22	40908	169.254.169.254	80	6	ee2289b9f4664677ae37172f1dbbb09d
2021-12-11 14:03:42	1:NoqbErYHwY6vA0dSlCn1qtyomlk=	172.17.0.22	40906	169.254.169.254	80	6	ee2289b9f4664677ae37172f1dbbb09d
2021-12-11 14:01:08	1:ew82WjuxptigU3ZDoJTO8llTyio=	172.17.0.29	55327	13.89.179.9	443	6	f4c6840e31654f42aa28ff5dbb1d36cd
2021-12-11 14:01:07	1:SVlJINEBfo5bgsjDZ9tu99ESMXM=	172.17.0.26	56861	13.89.179.9	443	6	24638d3e587f47e9929b162b92b375e9
2021-12-11 13:59:11	1:qZvv5DFXNgya7N5q8GFc9DcJRaQ=	172.17.0.26	56851	52.179.216.235	443	6	24638d3e587f47e9929b162b92b375e9
2021-12-11 13:59:11	1:TqIbZZuRk5cIUryPAFws11yt/II=	172.17.0.26	56850	52.184.216.174	443	6	24638d3e587f47e9929b162b92b375e9
2021-12-11 13:57:46	1:NJ1wS/uIBizYndRFCNLy60dbJKo=	172.17.0.29	55302	40.83.247.108	443	6	f4c6840e31654f42aa28ff5dbb1d36cd
2021-12-11 13:56:44	1:CrzpLvbWgba5cU3So5qlOJrQfpg=	172.17.0.26	56826	20.72.205.209	443	6	24638d3e587f47e9929b162b92b375e9
2021-12-11 13:56:44	1:04iykULjc7WheNsGrcgChPj156E=	172.17.0.26	56828	20.190.151.6	443	6	24638d3e587f47e9929b162b92b375e9
2021-12-11 13:55:08	1:4SiEWIhFe4ImWL/w52LjDj69SQU=	172.17.0.26	56811	142.250.69.195	443	6	24638d3e587f47e9929b162b92b375e9

CommunityID in Falcon

Talon3FDR | Search | Dashboards | Alerts | Parsers | Files | Settings

Auto (Table) | Queries | Language syntax | Table widget

```
1 #event_simpleName=Network* |
2 communityId(proto=Protocol, sourceip=LocalAddressIP4, sourceport=LocalPort, destinationip=RemoteAddressIP4, destinationport=RemotePort)
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```

Results | Events

Fields

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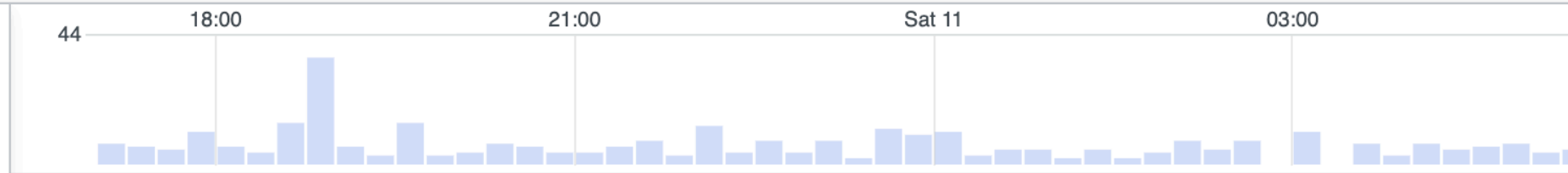
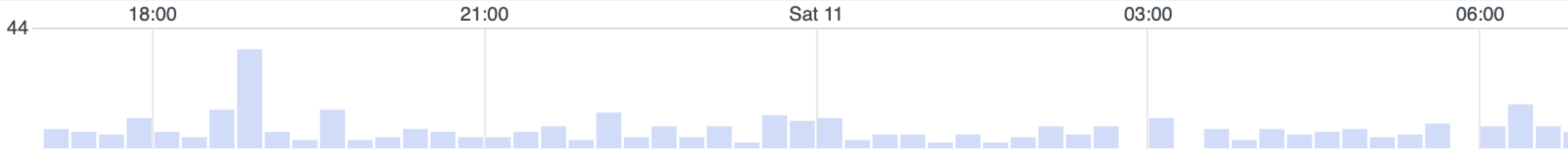


Fields	#
@timestamp	18
LocalAddressIP4	5
LocalPort	20
Protocol	1

@timestamp	_community_id	LocalAddressIP4	LocalPort	Remote

Hits: 766 | Speed: 0.05 GB/s | EPS: 65.58k | Work: 0 | Completion: 100% | Status: Done



@timestamp	_community_id	LocalAddressIP4	LocalPort	RemoteAddressIP4
2021-12-11 14:12:59	1:IMacrYLP1Am/NGJ7PcwA5B9Q5sc=	172.17.0.29	64520	13.69.239.72
2021-12-11 14:12:41	1:BqMHjTKNez/NpGEbILmE77/6xcM=	172.17.0.26	51424	13.69.239.72
2021-12-11 14:03:42	1:2Mgd0Fy+Bax/U9MTWZhsOausPiw=	172.17.0.22	40908	169.254.169.254
2021-12-11 14:03:42	1:NoqbErYHwY6vA0dSlCn1qtyomlk=	172.17.0.22	40906	169.254.169.254
2021-12-11 14:01:08	1:ew82WjuxptigU3ZDoJTO8llTyio=	172.17.0.29	55327	13.89.179.9
2021-12-11 14:01:07	1:SVlJINEBfo5bgsjDZ9tu99ESMXM=	172.17.0.26	56861	13.89.179.9
2021-12-11 13:59:11	1:qZvv5DFXNgya7N5q8GFc9DcJRaQ=	172.17.0.26	56851	52.179.216.235
2021-12-11 13:59:11	1:TqIbZZuRk5cIUryPAFws11yt/II=	172.17.0.26	56850	52.184.216.174
2021-12-11 13:57:46	1:NJ1wS/uIBizYndRFCNLy60dbJKo=	172.17.0.29	55302	40.83.247.108
2021-12-11 13:56:44	1:CrzpLvbWgba5cU3So5qlOJrQfpg=	172.17.0.26	56826	20.72.205.209
2021-12-11 13:56:44	1:04iykULjc7WheNsGrcgChPj156E=	172.17.0.26	56828	20.190.151.6
2021-12-11 13:55:08	1:4SiEWIhFe4ImWL/w52LjDj69SQU=	172.17.0.26	56811	142.250.69.195

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Demo!

Apply

- What data sets do you need more of?
- What extends visibility beyond EDR?

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Extending EDR Visibility

Application Logs

Extending EDR Visibility

- Application Logs
  - They’re just sitting there, let’s go get them.
- Send Logs to Humio
  - Real Time Response
  - Humio Log Collector

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Demo!

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Close the Loop

Close the Loop

- Hypothesis -> ad hoc searching
- Theory -> Automated alerting
- High confidence theory -> Priority Alerting
- Proven Theory -> Automated remediation

Tines

- Tines Community Edition!
  - if you're familiar with the APIs you use, Tines will dramatically speed up developing automated alerts and remediation.
- Caveats
  - SOAR presents a lot of organizational challenges.
  - It's own learning curve
    - Power tool

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Demo!

Apply What You Have Learned Today

- Next week you should:
  - Sign up for Humio Community Edition!
  - Sign up for Corelight @ Home!
  - Sign up for Tines Community Edition!
- In the first three months following this presentation you should:
  - Review your TCO calculations for which logs you might need to investigate in the future.
    - If you have low confidence in these decisions, experiment.
  - Consider more raw telemetry
    - coalitions with other teams to share costs.

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Thank you!

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