The Fastest Triage & Action Possible

Teams have too many places to search and not enough time. Polarity up-levels analysts by enabling them to triage data faster and take action with less mistakes using augmented reality.



Even senior analysts get "IP déjà vu" – Why does something look so familiar, did I see it before? Is it critical that I remember or a distraction?

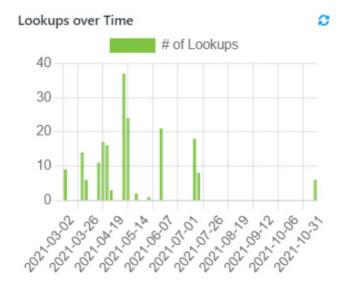
Sometimes the difference between junior and senior analysts is their intuition, other times it is their long term and short-term memory. Over time, analysts' memory capacity for certain data types optimizes. Polarity enables this superpower for even the most junior analysts and amplifies it for the senior ones.

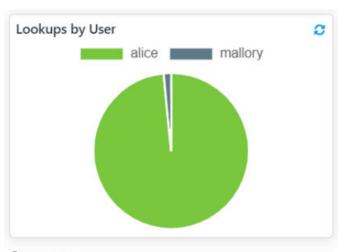
Feature/Use: Analyst Telemetry Integration

With no action from the user, Polarity eliminates IP déjà vu with its telemetry data feature.

TEL 193 lookups, first seen 9 months ago by you in Mitigate Microsoft Exchange Server Vulnerabilities | CISA - Google Chrome, last seen a month ago

Whether it is an IP or any other investigation artifact, Polarity can inform an analyst the first time they saw something, where they saw it, how many times they have seen it, and who else on their team has looked at the same thing.





Summary

Total Lookups: 193

First Seen: 9 months ago [03/03/2021 18:00:00]
First Seen Window Title: Mitigate Microsoft Exchange S
erver Vulnerabilities | CISA - Google Chrome
Last Seen: a month ago [11/01/2021 09:56:15]
Last Seen Window Title: Mitigate Microsoft Exchange S
erver Vulnerabilities | CISA - Google Chrome

♣ First and Last Seen By

Username: alice

Full Name: Alice Analyst Email: alice@polarity.io

Where to start searching? Data and systems within an organization continuously change making it difficult to know where to search or if a search is even worth the effort and time required. It is traditional when onboarding a new team member to train them on how and where to find data. Polarity makes this type of discovery natural and part of daily work.

Feature/Use: Federated Search

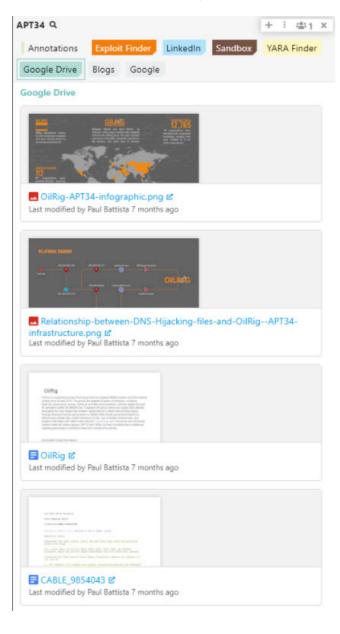
When a user searches in Polarity, Polarity federates out that search to all the relevant sources and provides three levels of information.

1. Summary View on all the results



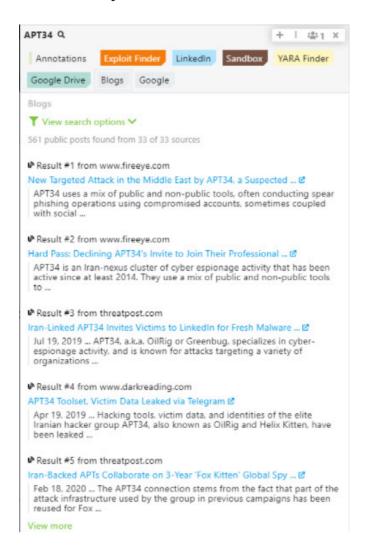
Polarity makes this type of discovery natural and part of daily work.

2. Detailed View on any specific result

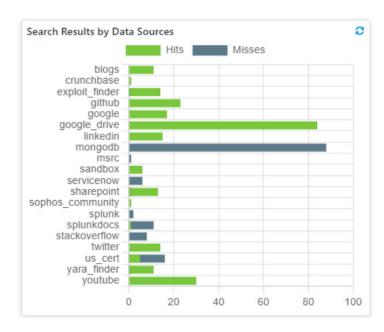


Feature/Use: Federated Search

3. Summary View on all the results



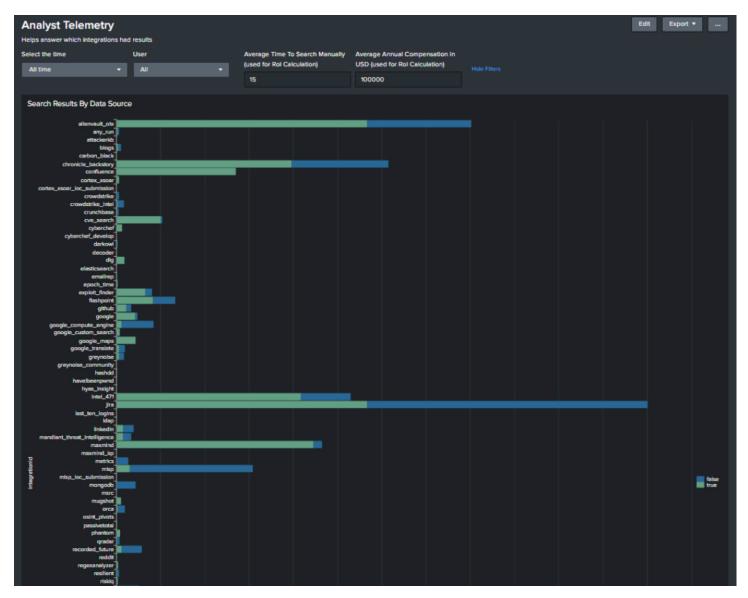
4. In one view, users can see all the places there have been results over time across their whole team:



It is often difficult to know what sources are the most valuable or overlap with a team's workflow because data is often spread across different systems and changes over time.

Feature/Use: Analyst Telemetry Search Metrics

Polarity's analyst telemetry enables teams and leadership with a data driven approach to identify the most valuable sources used across the team.



Even when an analyst knows where to search, they might not know the proper search syntax. Polarity gives even the most junior analysts access to the results of complex searches. Without Polarity this is often attempted using dashboards or saved queries. Inevitably this approach results in too many dashboards and analysts forget or are too busy to search them all.

Feature/Use: Democratization of Complex Queries

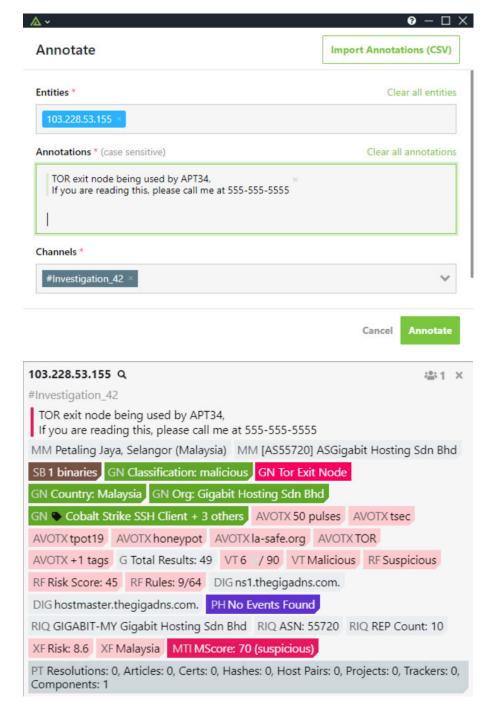
With Polarity's integration framework, even the most complex queries are available automatically or at the push of a button reducing friction and enabling consistent information across the entire team and across all workflows.



Senior analysts often take notes in physical form or on a file on their desktop. Although their notes are often tactical, they are extremely valuable to both the analyst who took them and the team they are collaborating with.

Feature/Use: Notes Across All Team Members and Workflows

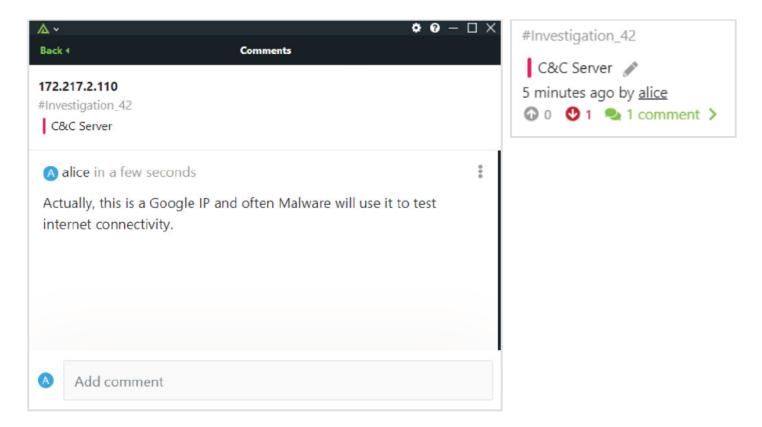
Polarity amplifies the power of analyst notes by disseminating them to the right team members at the right time, no matter what tools they are using. Even the most junior analyst, day one on the job, can know when they are looking at something important.



Junior (and sometimes senior) analysts make faulty assumptions that are never caught by other team members. When incorrect notes are taken in Polarity, faulty assumptions are easier to spot.

Feature/Use: Note Feedback

Mistakes are inevitable, because Polarity works across all tools, faulty assumptions are easy to spot when team members come across them or are reviewing work. Polarity has built in upvoting, downvoting, and commenting:

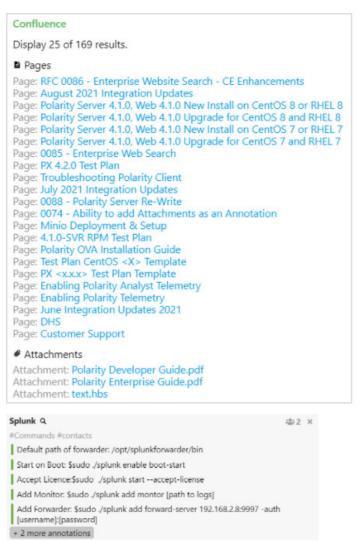


In cyber and national defense, we often get stuck in training mode but true learning happens on the job. Polarity creates opportunities for discovery and learning on top of any workflow.

Feature/Use: Portable Learning Content

Beyond learning from co-workers' notes and links to relevant resources, Polarity supports video and other content embedded right in the overlay window. This provides a fast path to shortcuts, documentation, and educational resources.

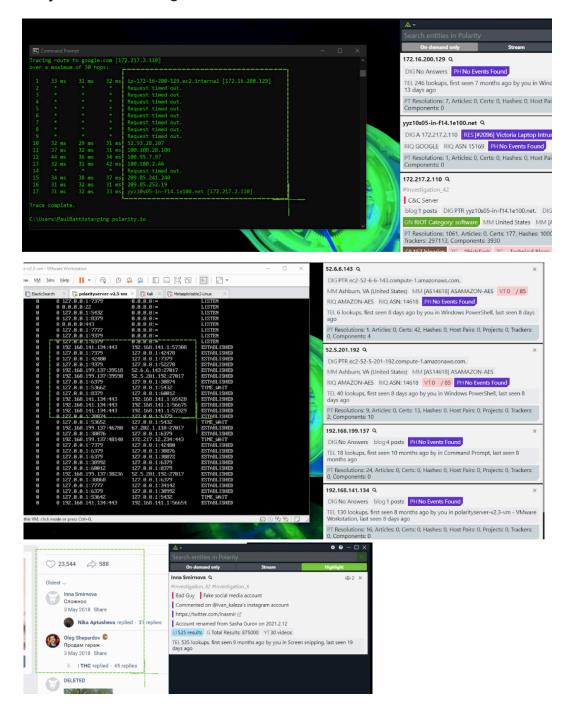




During a crisis, you never know what tools you will be using or where your work will take you. Polarity's Focus Mode feature lets team members tell Polarity a specific area of the screen to analyze and then triggers searches and actions from there.

Feature/Use: Polarity Focus Mode

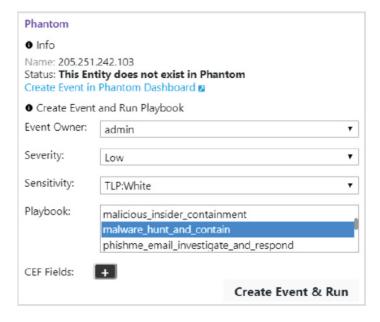
Gives analysts the power of Polarity's real time optical character recognition with control over where and when it is run. Maybe it's a specific operational vm/shell or maybe it is a foreign social media website.

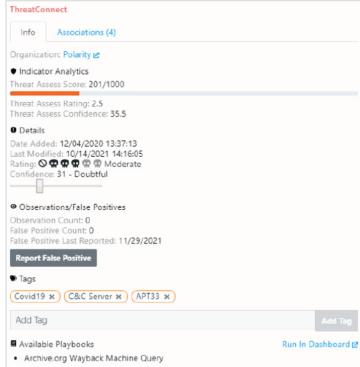


Some missions require fast action with "guard rails" or an easy button. Polarity's integration framework supports action at the touch of a button.

Feature/Use: Actions

Polarity's overlay window supports enabling action. That could be kicking off a scan, updating tasking, deconflicting an operation, submitting a report, or running a playbook. Analysts and operators are presented with the most common, recommended, or critical actions so executing them is near frictionless from wherever the mission takes them.





Sometimes the artifact is right in front of you but it is not easy to spot. Analysts don't always know when or what to look up so augmenting by bringing the data to them uplevels anyone analyzing data.

Feature/Use: Polarity Highlights

Polarity uses software-based augmented reality techniques to highlight data in any application. This enriches any user experience with data they care about or insights that are critical to the mission. Even the most junior or fatigued analyst will have a hard time missing the important information.



```
- [12/Dec/2015:18:31:25 +0100] "GET /administrator/ HTTP/1.1" 200 4263
            a/5.0 (Windows NT 6.0; rv:34.0) Gecko/20100101 Firefox/34.0" "-"
13.103 - [12/Dec/2015:18:31:25 +0100] "POST /administrator/index.php HTTP/1.1" 20
http://almhuette-naith.at/administrator/" "Mozilla/5.0 (Windows NT 6.0; rv:34.0) Ge
     la/5.0 (Windows NT 6.0; rv:34.0) Gecko/20100101 Firefox/34.0" --"
1a/5.0 (Windows NT 6.0; rv:34.0) Gecko/20100101 Firefox/34.0" --"
198.15 - - [12/Dec/2015:18:32:11 +0100] "POST /administrator/index.php HTTP/1.1" 200
"http://alminuette-paith.at/administrator/" "Mozilla/5.0 (Windows NT 6.0; rv:34.0) Geck
 111a/5.0 (Windows NT 6.0; rv:34.0) Gecko/20100101 Firefox/34.0" "-"
184.11.34 - - [12/Dec/2015:18:32:56 +0100] "POST /administrator/index.php HTTP/1.1" 200
227,79,79 -- [12/Dec/2015:18:33:51 +0100] "GET /administrator/ HTTP/1.1" 200 4263 "-" "
illa/5.0 (Windows NT 6.0; rv:34.0) Gecko/20100101 Firefox/34.0" "-"
227,29,79 -- [12/Dec/2015:18:33:52 +0100] "POST /administrator/index.php HTTP/1.1" 200
```

Traditional entity extraction or natural language processing is not flexible enough for real work. There is always an artifact or indicator that does not fit the mold. Polarity support recognition of any string.

Feature/Use: Entity Extraction

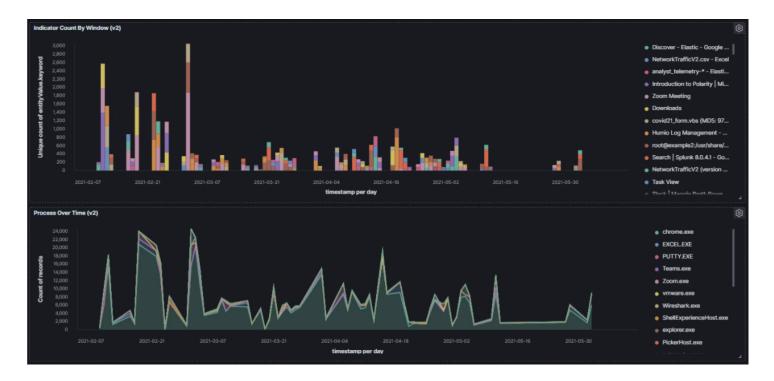
Although Polarity supports adding custom entity types with a regular expression, Polarity goes beyond that and can actually recognize any string with proprietary entity recognition techniques. Whether that is a string of bytes, a name in a foreign language, or a malware signature, Polarity can recognize it when it matters.



It is sometimes difficult to understand the difference between senior and junior analyst workflows. What causes some analysts to have different results than others.

Feature/Use: Analyst Tool Telemetry

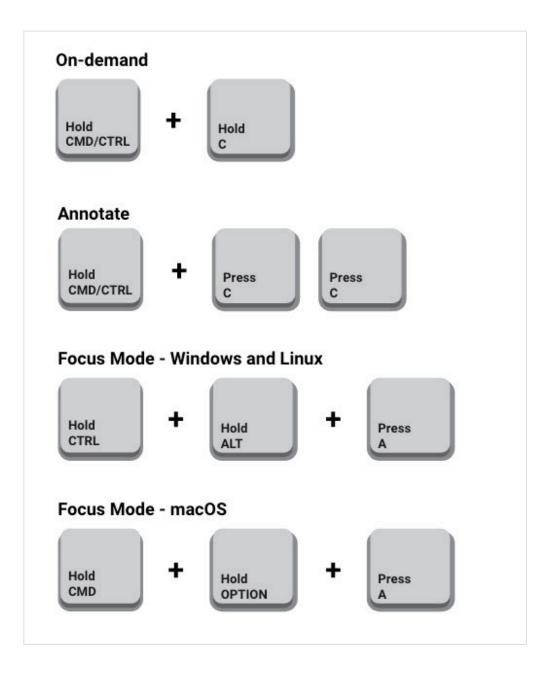
Polarity's analyst telemetry enables teams and leadership to understand the different tools and workflows used across different members of a team. Leadership can get a qualitative answer to what are the most common tools used by the team, where does the team spend most of their time, and what are common/uncommon workflows between tools.



The threshold of friction that users are willing to put up with is low. Add to that a critical mission and you will have a very difficult time getting an analyst to adopt a new tool or workflow. Polarity does not work against an analyst's workflow. Polarity works on top of it with only a couple easy key strokes.

Feature/Use: Simple Short-Cut Keys

With less than an hour of instruction and a couple shortcut key sequences, analysts will never work the same way again. Polarity reduces friction for analysts and operators to search, take notes, or take action.



Other Enterprise Features

Problem

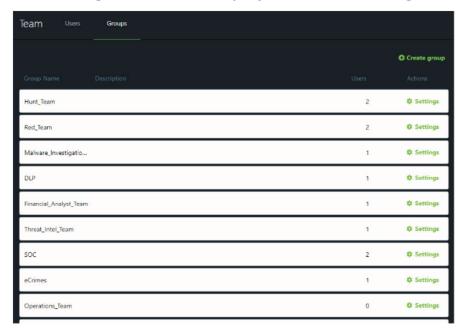
Other Enterprise Features

Different teams leverage or have access to different data

Polarity supports role based access controls to streamline deployment with security in mind.

Polarity supports SAML and other enterprise security user configurations and deployment methodologies.

Enterprise Security Features



Custom Development

Polarity has a robust integration development framework with over 175 integrations built to date. Polarity has been optimized for you to easily add custom data sources.

Community

Polarity has thousands of users across enterprise and government. Polarity has over 175 open source integrations https://github.com/polarityio developed by users, partners, and the Polarity team.

Support

Polarity is consistently complimented on having the best support of any vendor the customer has ever worked with.

Other Enterprise Features

Deployment, maintenance, and staff augmentation.

Although Polarity is easy to deploy and maintain, we understand many organizations are short-handed so Polarity has resources to support deployment, maintenance, and custom development if needed.

Programmatic Access
To Polarity Functionality/
Search

Polarity supports API and web based access to Polarity's features that do not require the client software. This means you can enable teams to search and leverage Polarity before the client software is installed. It also opens the door for you to embed Polarity into other applications where appropriate.

Polarity Search awareness at any time

Polarity enables users to not just get information through our different recognition and on-demand modes, but also enables users to just search for information at any point through our web

All investigations have noise.

Polarity has robust features to filter out noise or ignore certain applications or windows.

