



Automated Investigation & Hunting Platform



Datasheet

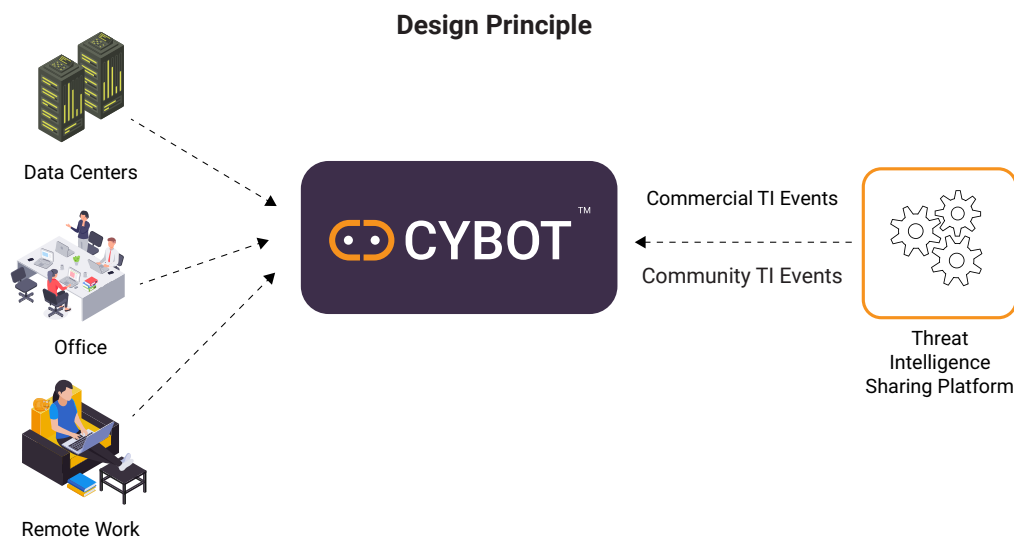
Analytics



www.active-bytes.com

About the CYBOT

- CYBOT collects raw logs from the enterprise's network, remote users, servers and stores to its Analytical engine in a contextualized and secured way. The logs then undergo intelligent automatic analysis, thereby going the extra mile in threat hunting which a human cannot.
- CYBOT is designed to be adaptive to the latest adversary techniques and tactics by keeping in track with the threat intelligence events that it is programmed to receive from our trusted community sources and Activebytes dedicated threat intelligence team.
- CYBOT intelligently and automatically hunts and investigates the threat leveraging Realtime Logs by performing correlation with TI IOCs received from even the dark sources, thereby detecting adversary attack patterns that a human can never pickup.
- Around the clock monitoring of logs and every unusual, suspected event is subjected to drill down the level of investigation. CYBOT is designed to provide automated options to respond along with suggestions and alerts to the security team. This will help analysts to deal with the adversaries that already intruded on the network.



[Click here to get an overview of the working of CYBOT](#)

Why CYBOT is Your Intelligent Analytical Threat Hunting Solution?

CYBOT Platform includes a Big Data Analytic Engine that handles huge data which is beyond human ability, with best-in-class analytics and processing capability. We've made hundreds of dashboards and alerts out of the box for both compliance and security analytics purposes. You will have additional access to our content library that we keep updating with new dashboards and alerts to continuously improve the hunting capability of the platform.

CYBOT protects your assets

Analytics

CYBOT, with its advanced analytics design, performs quick profiling of raw data into useful information, analysis of this along with events patterns in the enterprise environment and helps in proactive handling of IOCs, thereby saving the enterprise IT infrastructure from a security breach. CYBOT is capable of early detection of even the new generation-based attack attempts with its huge pool of IOCs and pattern recognition capability. The observations that are available as dashboards and the panels with data at granular level allow analysts to quickly neutralize the threat element that breached their defence systems.



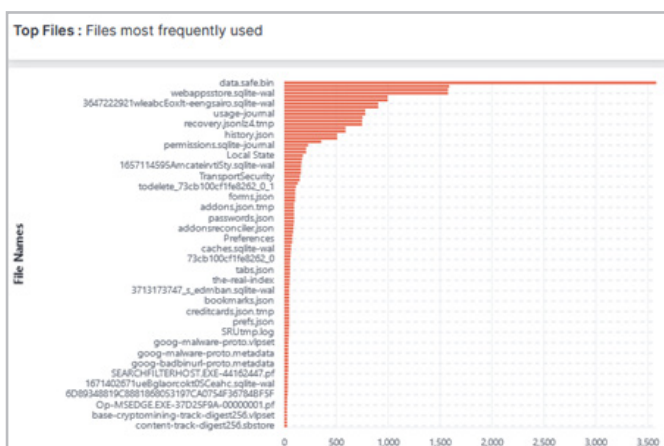
Some other features include

- Huge Data extraction from OS, system behaviour, communication between systems and to external IP addresses, common user behaviour
- Analysis of logs of OS binaries execution and registry changes
- Extraction of data related to file creation, deletion and modification activities, other system/application logs



Advanced Analytics handles even the modern technology-based attack techniques

Data from the hosts and servers will be ingested to CYBOT and every manually hard to detect unusual logs, IOCs are subjected to detailed analysis.



Network Logs Count: Total network logs

7,351,672

Logs

Events

- ☒ DLL and Driver Load
- ☒ DNS
- ☐ File
- ☒ Network
- ☒ Process
- ☒ Registry
- ☒ Security



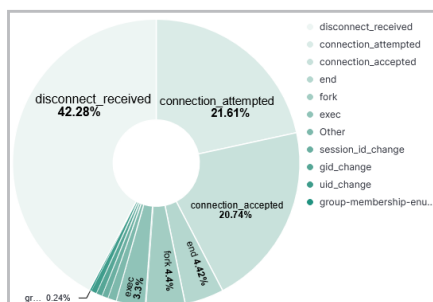
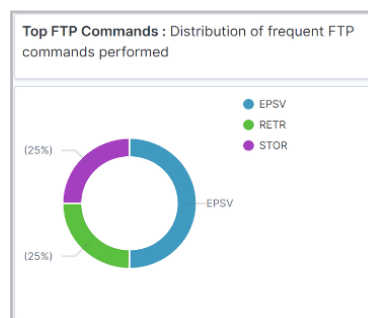
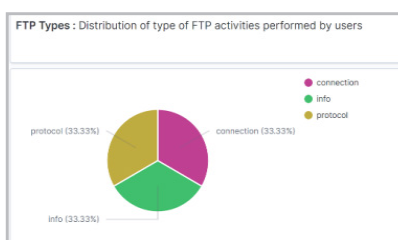
Data from the network is ingested to CYBOT and any malicious attempt to damage or abuse the organization network infrastructure is quickly detected and notified.

Some other features include

- Can extract rich logs from the network and feed them to the data-lake.
- Capable of extracting domain lookups, communication logs irrespective of TCP/IP Protocols.
- Capture high fidelity transaction logs in the network and traffic across the network
- Capable of capturing file-content metadata, to and fro traffic from both internal and external critical systems.
- More capable to handle east-west traffic to detect and investigate new generation attacks.
- Capable of extracting and processing major Microsoft protocols used by active directories.
- Analytics engine supports industry-standard encryption for communication and necessary access controls, thereby keeping enterprise logs safeguarded.



The Analytics engine can analyze not only the known IOCs but also patterns from events. Thereby detects adversary acts like a user id or password abuse by correlating the user's typical behavioural pattern with the newly detected pattern.

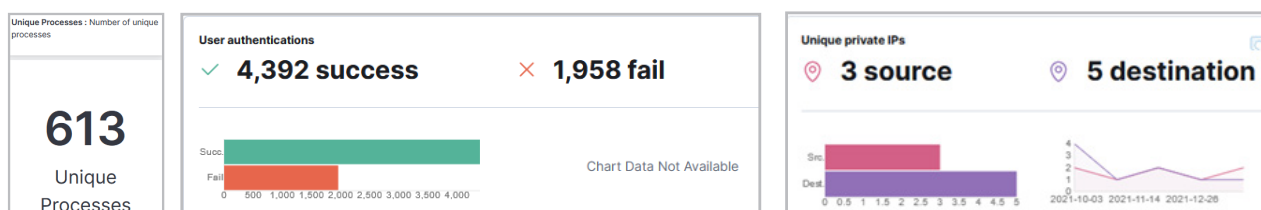


Recent Network Activities : Recent network activities in endpoint (Raw data)

Time	Document
Feb 28, 2022 @ 12:40:17.410	<pre>{ "event.category": "network", "@timestamp": "Feb 28, 2022 @ 12:40:17.410", "agent.id": "4e8ce3c0-09f1-4867-9408-3d8d6b994a7", "agent.type": "endpoint", "agent.version": "7.15.1", "data_stream.dataset": "endpoint.events.network", "data_stream.namespace": "default", "data_stream.type": "logs", "destination.address": "127.0.0.1", "destination.ip": "127.0.0.1", "destination.port": "9201", "ecs.version": "1.11.0", "elastic.agent.id": "4e8ce3c0-09f1-4867-9408-3d8d6b994a7", "event.action": "disconnect_received", "event.agent.id_status": "verified", "event.created": "Feb 28, 2022 @ 12:40:17.410", "event.dataset": "endpoint.events.network", "event.id": "MSK0mm91b68VE/x+++BMOFq", "event.ingested": "Feb 28, 2022 @ 12:40:47.000" }</pre>
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Feb 28, 2022 @ 12:40:17.394	<pre>{ "event.category": "network", "@timestamp": "Feb 28, 2022 @ 12:40:17.394", "agent.id": "4e8ce3c0-09f1-4867-9408-3d8d6b994a7", "agent.type": "endpoint", "agent.version": "7.15.1", "data_stream.dataset": "endpoint.events.network", "data_stream.namespace": "default", "data_stream.type": "logs", "destination.address": "127.0.0.1", "destination.ip": "127.0.0.1", "destination.port": "9201", "ecs.version": "1.11.0" }</pre>

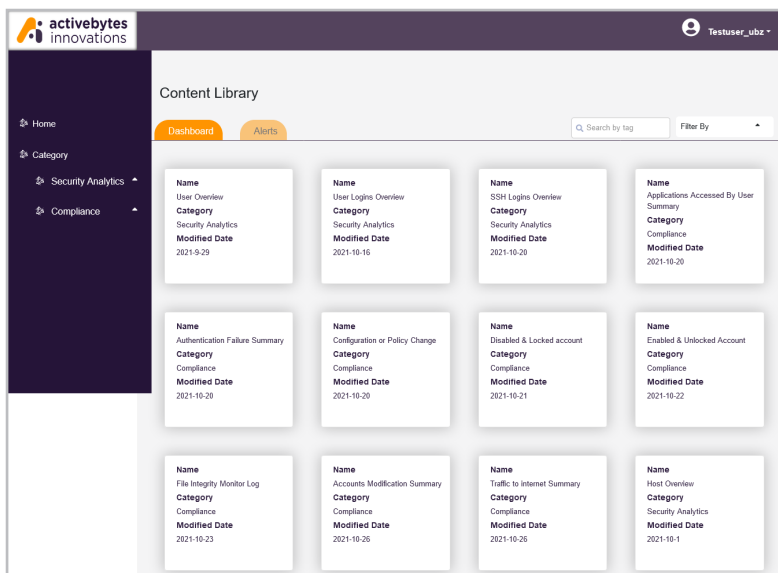
Analytics Dashboards and Use-case Alerts

- CYBOT is capable of drilling down to the granular level of events which the security team can easily access and analyze, thereby prevent further damage from the adversary.
- Effective co-relation capabilities on specific data from the network and host data extractors and hence the advanced threats that go undetected by a human threat hunter are not missed.
- Faster reports and Dashboard generation for historical data helping in faster decision making.
- Enhanced visibility of user management activities across the infrastructure at Directory and Host level, thereby preventing abuse by insiders.
- 100+ Pre-built dashboards to review logs against compliance standards such as ISO27K, PCI-DSS, NIST
- Reports can be generated, and is available in technical and non-technical formats.
- Early detection of emerging threats gives sufficient time for analysts to defend the enterprise network.
- Major functions supported by APIs.
- Integrates with the company's baseline without affecting the network or IT architecture.
- Collects, analyze, and generate alerts on every quality IOCs, including Malicious files, URLs, Domains, IPs, Filenames/hashes, Malware families.



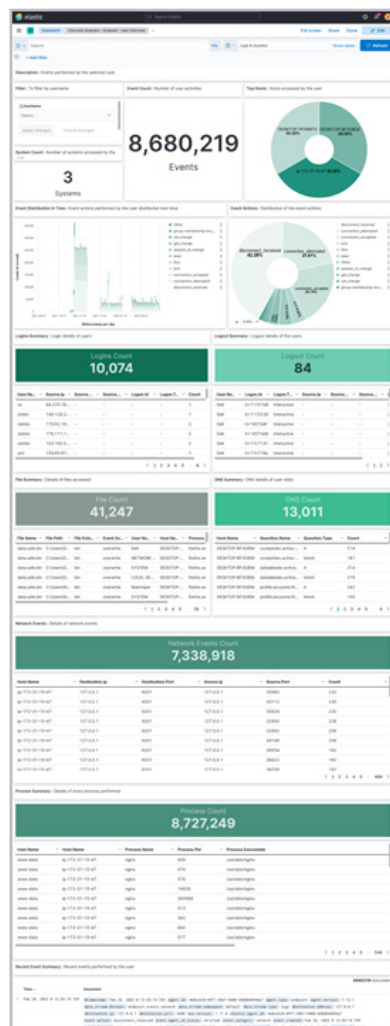
Additional access to our content-library portal where new Dashboards & Alerts are added

- Hundreds of Dashboards and Alerts for both compliance and security analytics. Hence covering a wide range of use cases with huge data, in a user-friendly manner.
- Faster understanding of huge data for analysts as automated analysis is performed on logs to the granular level. This saves time for analysts to focus on other critical tasks.
- Host and Network data visualization in a user-friendly manner. This makes understanding easier for non-technical personnel.
- Easy understanding of group management activities and enumerations on every data related to it.
- Co-relation Alert use-cases for new vulnerabilities and threats, make the platform gets updated with the latest adversary techniques.



User friendly guides explaining the steps to access the platform, installation, content library, etc.

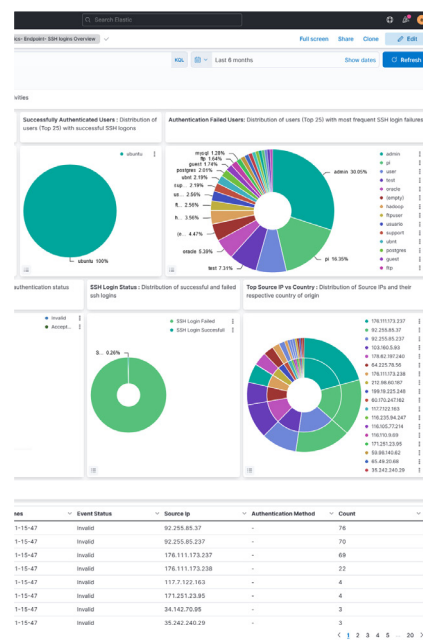
SAMPLE DASHBOARDS (Security & Compliance)



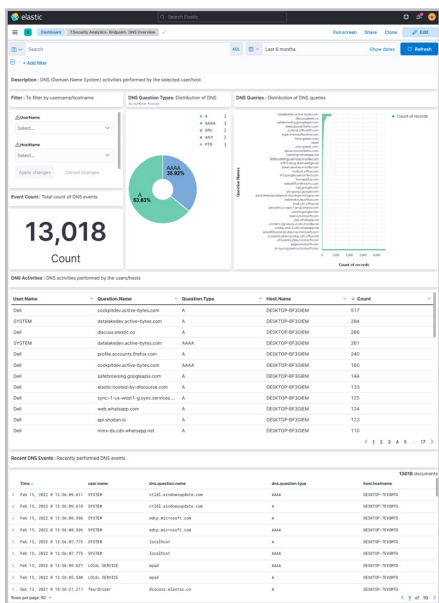
This security analytics dashboard displays logon events performed by users in the organization, the events displayed are collected by the endpoint sensor.



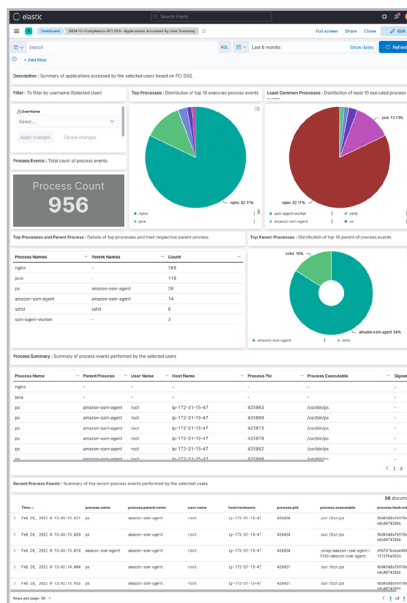
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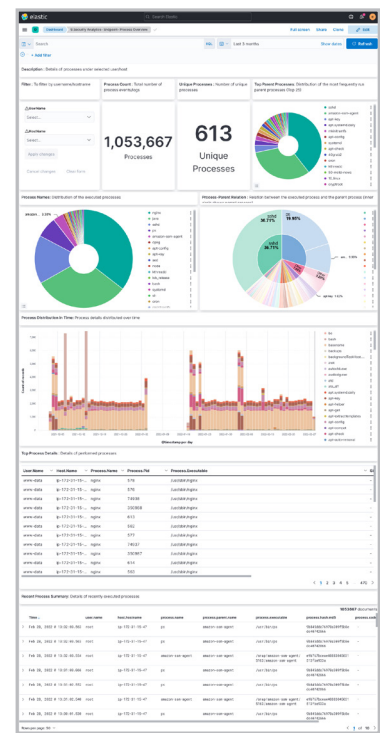
This security analytics dashboard displays information related to events SSH login events performed by users/hosts in the organization, the events displayed are collected by the endpoint sensor.



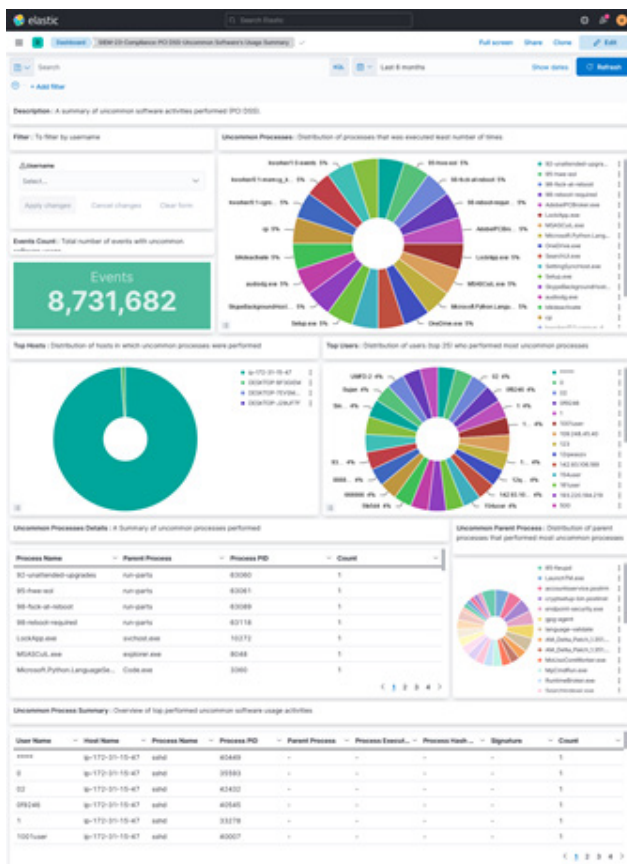
This security analytics dashboard shows the DNS (Domain Name System) activities performed by the selected user/host.



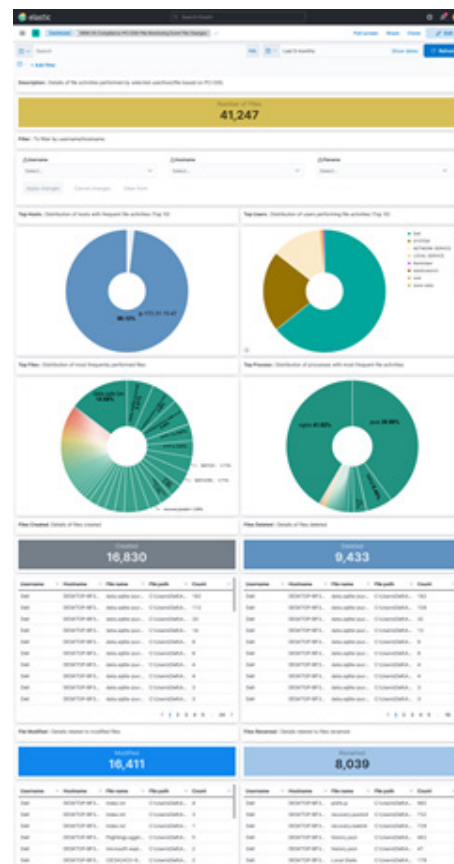
Summary of applications accessed by the selected users for PCI-DSS compliance.



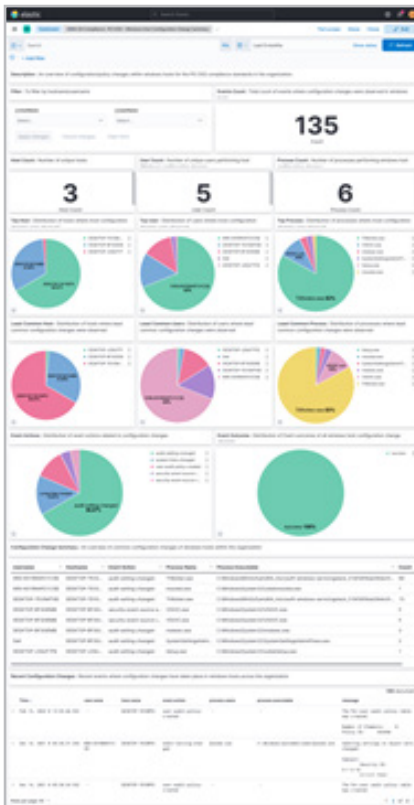
This security analytics dashboard gives details of processes under selected user/host.



Summary of uncommon software activities performed for PCI-DSS compliance.



An overview of file modification events for the PCI DSS compliance standards in the organization.



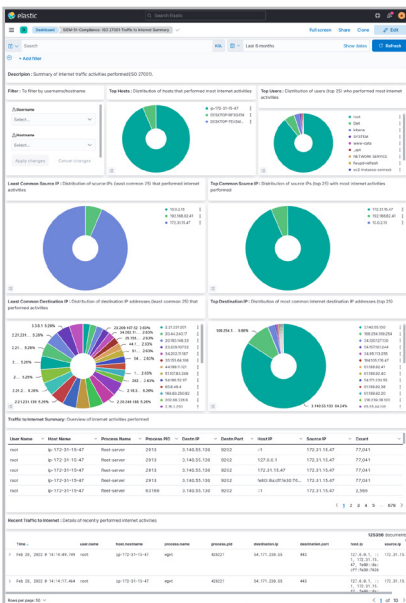
An overview of configuration/policy changes within windows hosts for the PCI DSS compliance standards in the organization.



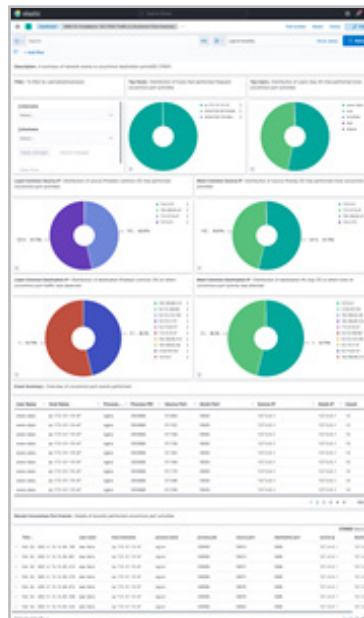
Summary of account management activities performed across the organization for NIST compliance.



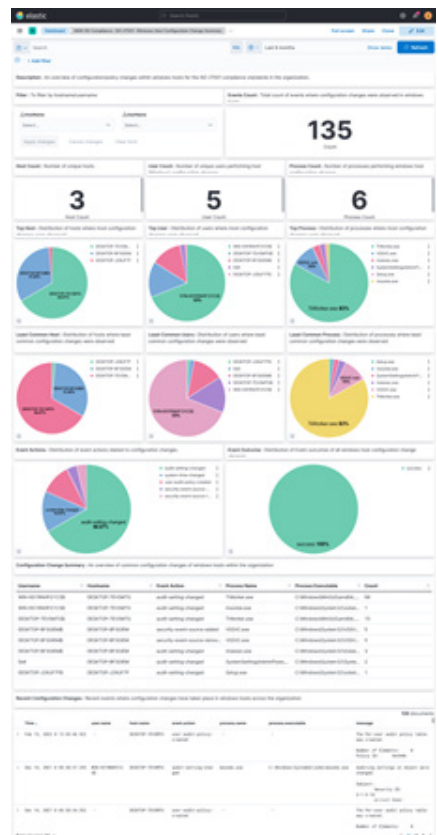
Summary of configuration or policy changes that took place in various endpoints for the NIST compliance standards in the organization.



Summary of Internet traffic activities performed, ISO 27001 compliance



A summary of network events to uncommon destination ports, ISO 27001



An overview of configuration/policy changes within windows hosts for the ISO 27001 compliance standards in the organization.

List of few Dashboards from the hundreds of available use-cases

Dashboard and report to analyse Account Management Summary

Dashboard and report to analyse Authentication Failure Summary

Dashboard and report to analyse Default Act Auth/Access Failure Summary

Dashboard and report to analyse Default Act Auth/Access Success Summary

Dashboard and report to analyse Default Act Management Summary

Dashboard and report to analyse Disabled & Locked Account Summary

Dashboard and report to analyse Enabled & Unlocked Account Summary

Dashboard and report to analyse Priv Act Auth/Accs Failure Summary

Dashboard and report to analyse Priv Act Auth/Accs Success Summary

Dashboard and report to analyse Priv Act Management Summary

PCI DSS Compliance

Dashboard and report to analyse Host Configuration Change Summary

Dashboard and report to analyse Applications Accessed By User Summary

Dashboard and report to analyse Authentication Failure Summary

Dashboard and report to analyse Configuration or Policy Change Summary

Dashboard and report to analyse Data Transfer Summary

Dashboard and report to analyse Disabled & Locked Account Summary

Dashboard and report to analyse Enabled & Unlocked Account Summary

Dashboard and report to analyse File Integrity Monitor Log Summary

Dashboard and report to analyse Accounts Modification Summary

Dashboard and report to analyse Traffic to internet Summary

Dashboard and report to analyse Traffic to uncommon ports Summary

Dashboard and report to analyse Windows Firewall Change Summary

Dashboard and report to analyse User Privilege Escalation (SU & SUDO)

Dashboard and report to analyse Rejected Connection to Network

Dashboard and report to analyse Uncommon softwares usage summary

Dashboard and report to analyse Use of Non-Encrypted Protocols

Dashboard and report to analyse File Monitoring Event-File Changes

Dashboard and report to analyse Software Installed Summary

Dashboard and report to analyse Windows Host Configuration Change Summary

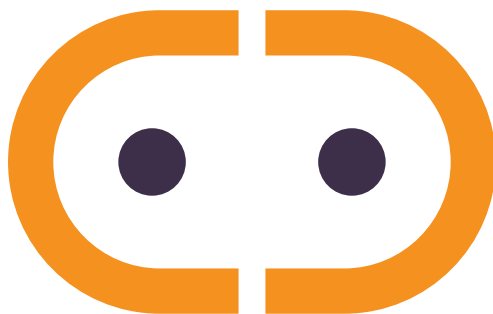
Dashboard and report to analyse User Privilege Escalation (Windows) Summary

Dashboard and report to analyse Account Management Summary

NIST Compliance
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List of few Aerts from the hundreds of available use-cases
Account Access Revoked
Account Disabled Rule
Account Locked Rule
Configuration or Policy Change
Data Destruction Rule
Non-Admin Linux Rule
Non-Admin Windows Rule
Windows Firewall Change
Privilege account Access Failure Rule
Privileged Account Authentication Failure Rule
Priv Group Access Granted Rule
Recent Disable Acct + Acs Fail
Recent Disable Acct + Acs Success
System Time Change
Time Sync Error
Default Account Access Failure Rule
Default Account Auth Failure Rule
Data Loss Prevention Rule



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