

Deloitte.



It's What's Inside That Counts

Transforming Investigations to Detect and Prevent Insider Threat



**MAKING AN
IMPACT THAT
MATTERS**
since 1845

It's what's inside that counts: transforming investigations to detect and prevent insider threats

Intro

Speakers



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Agenda

- Challenges
- Overview of Nuix Adaptive Security
- Walkthrough of scenarios
- Summary and questions



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Challenges

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Challenges

Increase from 5.7% - 43.1% of UK workforce WFH in 2020

Zoom usage increased from 36k – 1.6million daily users

Sensitive data is increasing

Increase in people

Around-the-clock access

No physical or social office based controls



Lack of technical investigative ability

More difficult to capture data

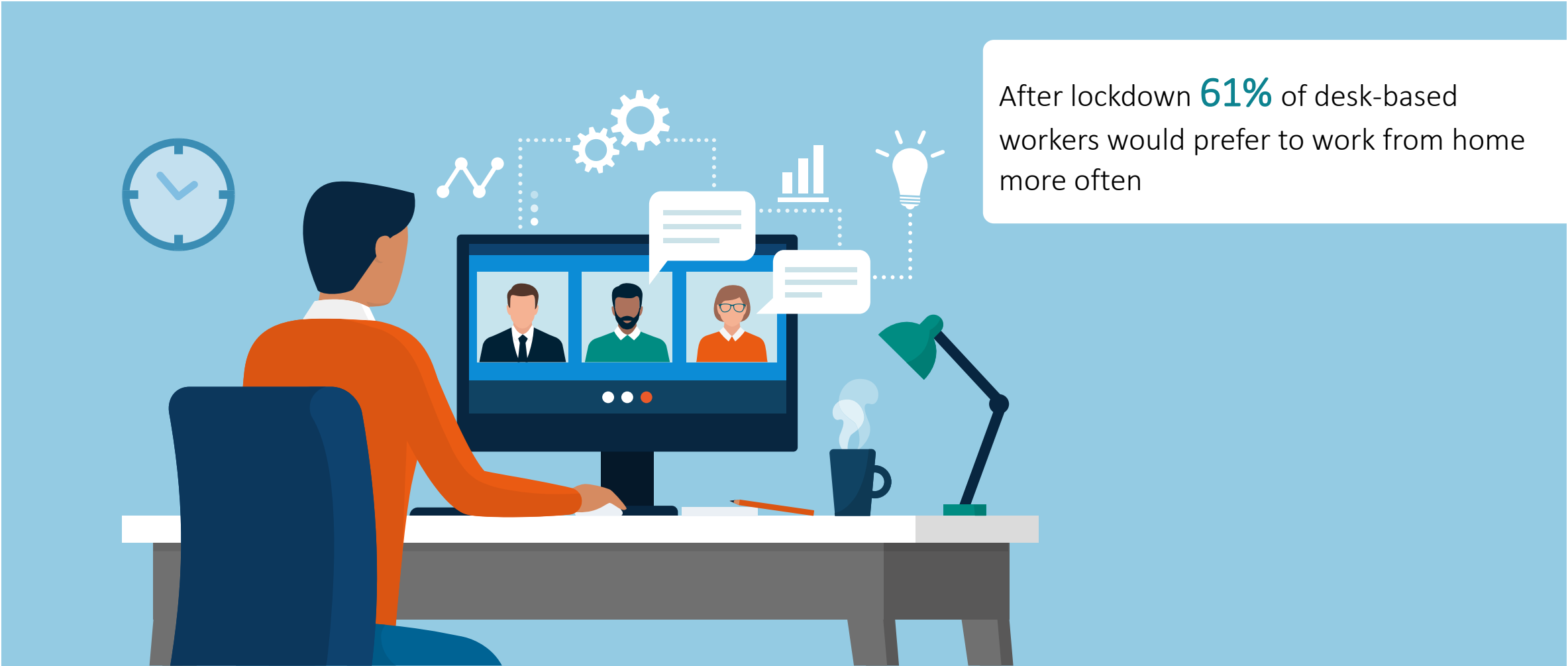
Disparate systems

Balancing privacy

https://wiserd.ac.uk/sites/default/files/documents/Homeworking%20in%20the%20UK_Report_Final_3.pdf
<https://www.statista.com/statistics/1118860/zoom-daily-active-users-uk>

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Is remote working here to stay?



After lockdown **61%** of desk-based workers would prefer to work from home more often

Research was carried out by Ipsos MORI on behalf of Deloitte LLP. It screened a nationally representative quota sample of 2,213 UK adults, filtered to a sample of 1,321 workers aged 16-75, using its Online Omnibus.
<https://www2.deloitte.com/uk/en/pages/consulting/articles/working-during-lockdown-impact-of-covid-19-on-productivity-and-wellbeing.html>

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Using technology to address some of our challenges



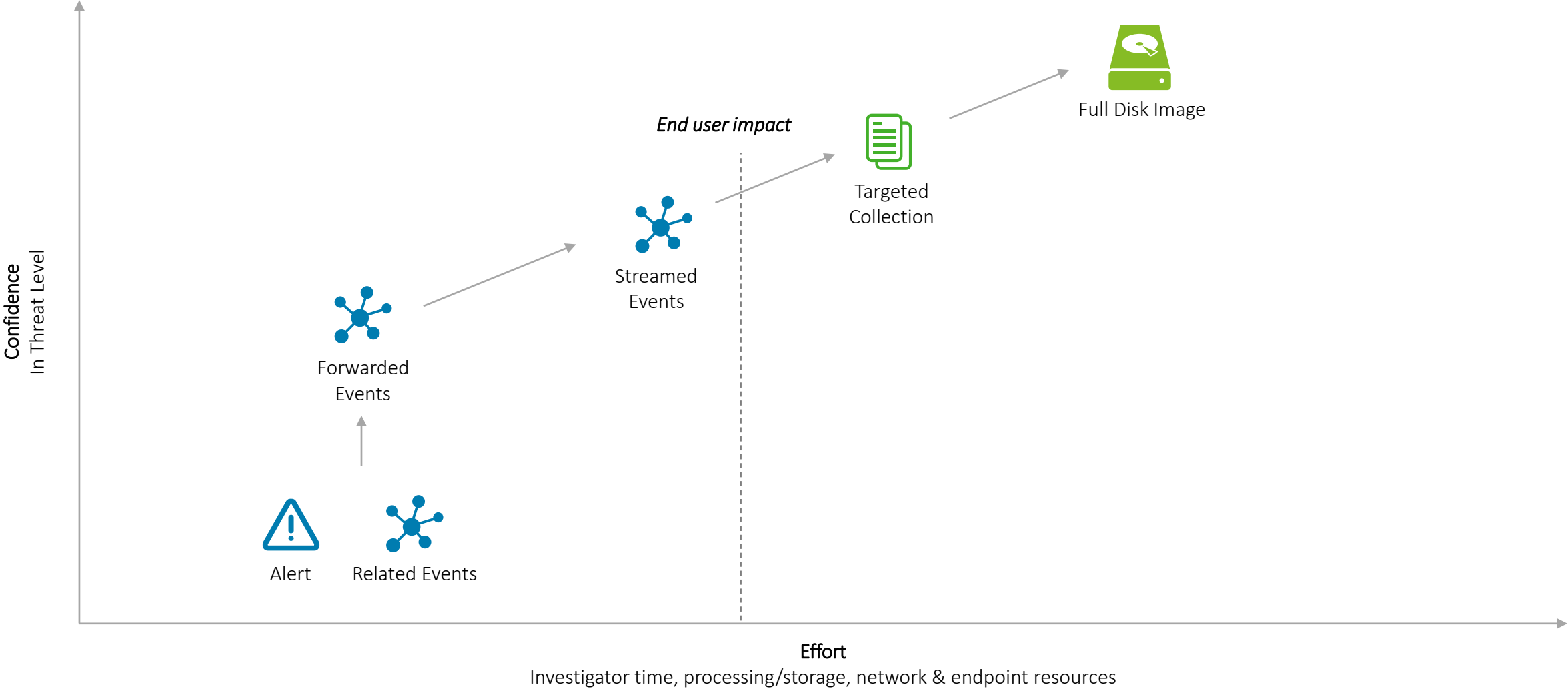
Enhance your **investigative agility** by combining monitoring with advanced triage in one unified platform. **Drive confidence and reduce effort.**

Use endpoint based technology that monitor both user and system behaviour, regardless of location, in real-time.

Being able to have a **targeted and bespoke approach** to specific issues, **reduce false-positives** and **over-collection of data** while speeding up detection.

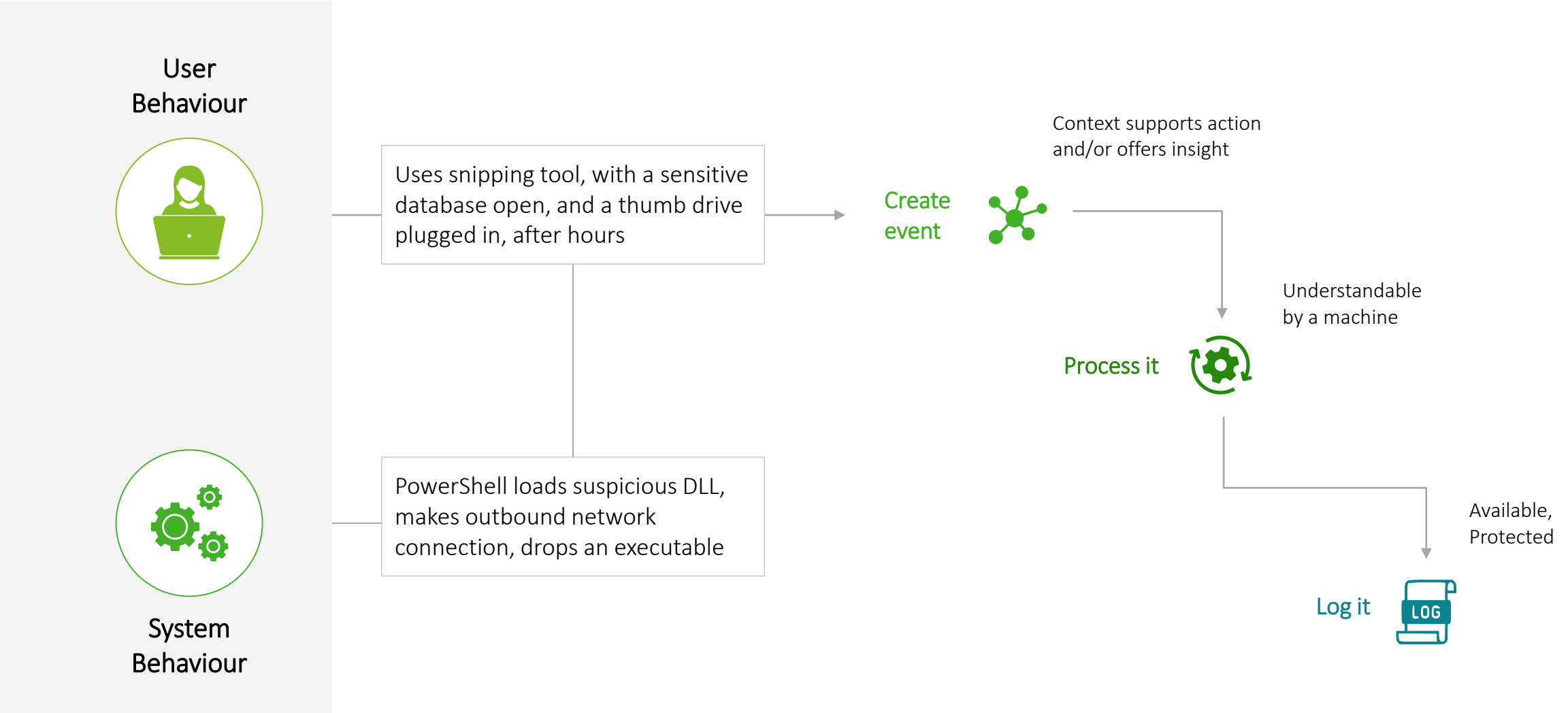
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Investigative agility



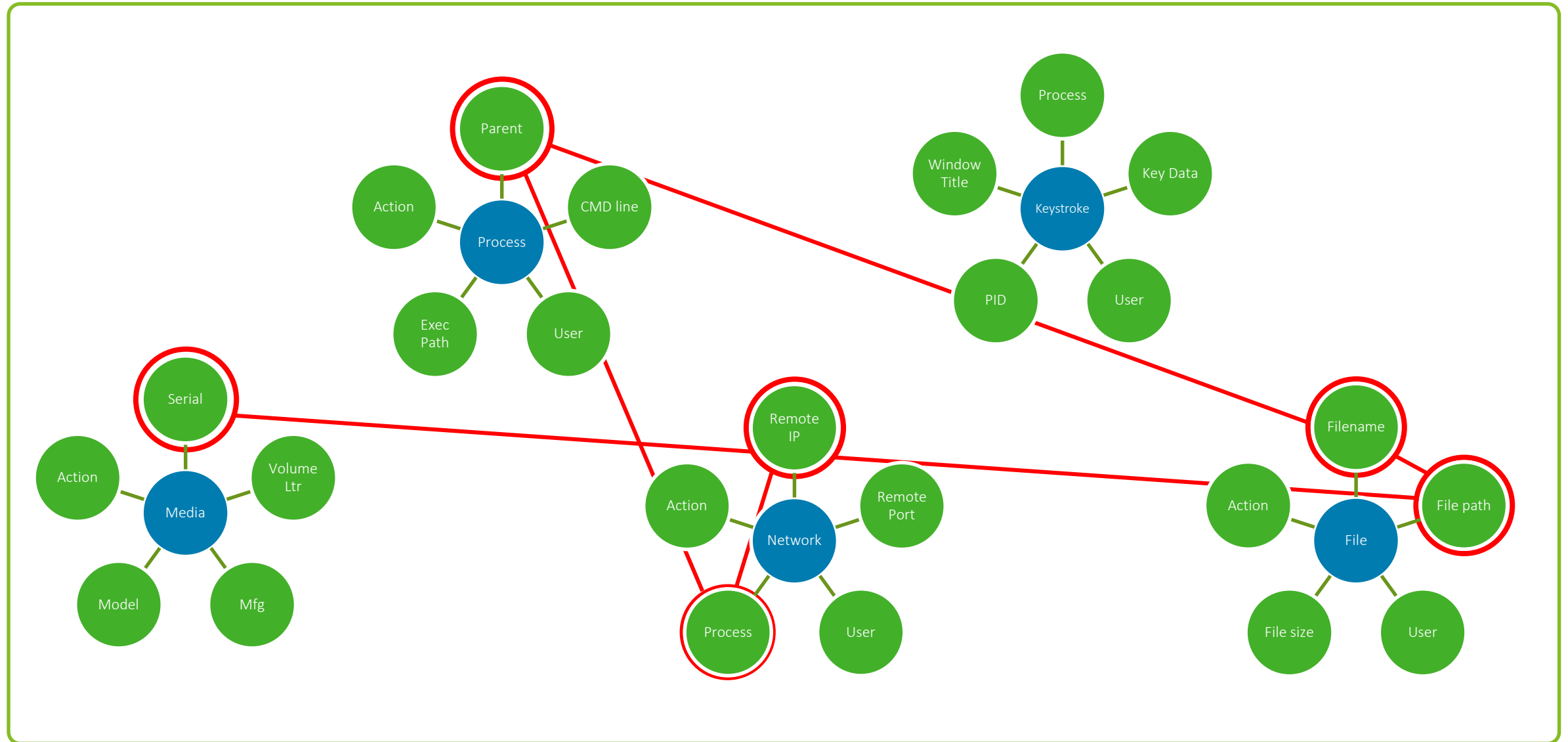
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Event-based detection and triage



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What is an event?





Product Overview

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Product Overview – Nuix Adaptive Security

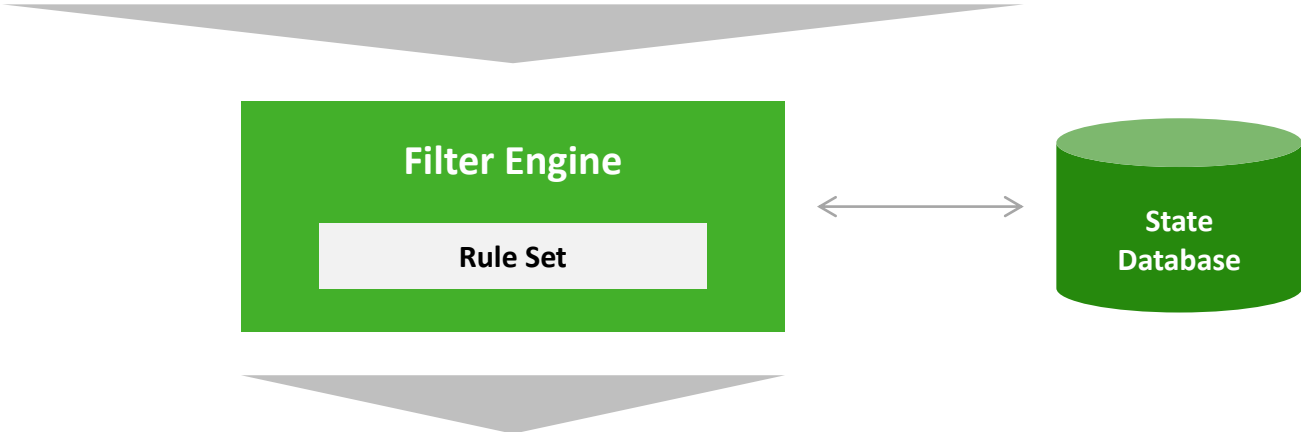
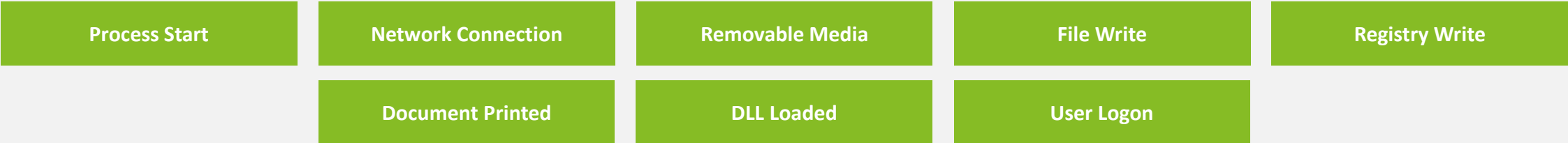
- Bespoke rule creating process to mould to your business needs and environments.
- Lightweight agent deployed on the network stores events and sends alerts back to server.
- Offline endpoints log events and alerts locally, reconnecting at next opportunity.
- Keyword searching of endpoints on the fly.
- Record screenshots, keylogs and clipboard information from endpoints and alert when certain conditions are met:
 - Keyword is met
 - Data copied onto a USB.
 - User logs in remotely, then attempts to upload data.
- Isolate endpoints that you believe to have been compromised (insider/external threats).



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Nuix Adaptive Security

Events





Scenario 1 - Data Theft and Disclosure

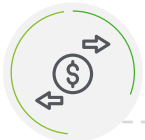
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Scenario 1 – Data Theft and Disclosure



Sell sensitive research to a competitor

- Acquires report
- Pastes some of the data into a chat window
- Copies to removable media
- Uploads to a file sharing service via browser
- Uploads to a file sharing service via local client
- Prints it



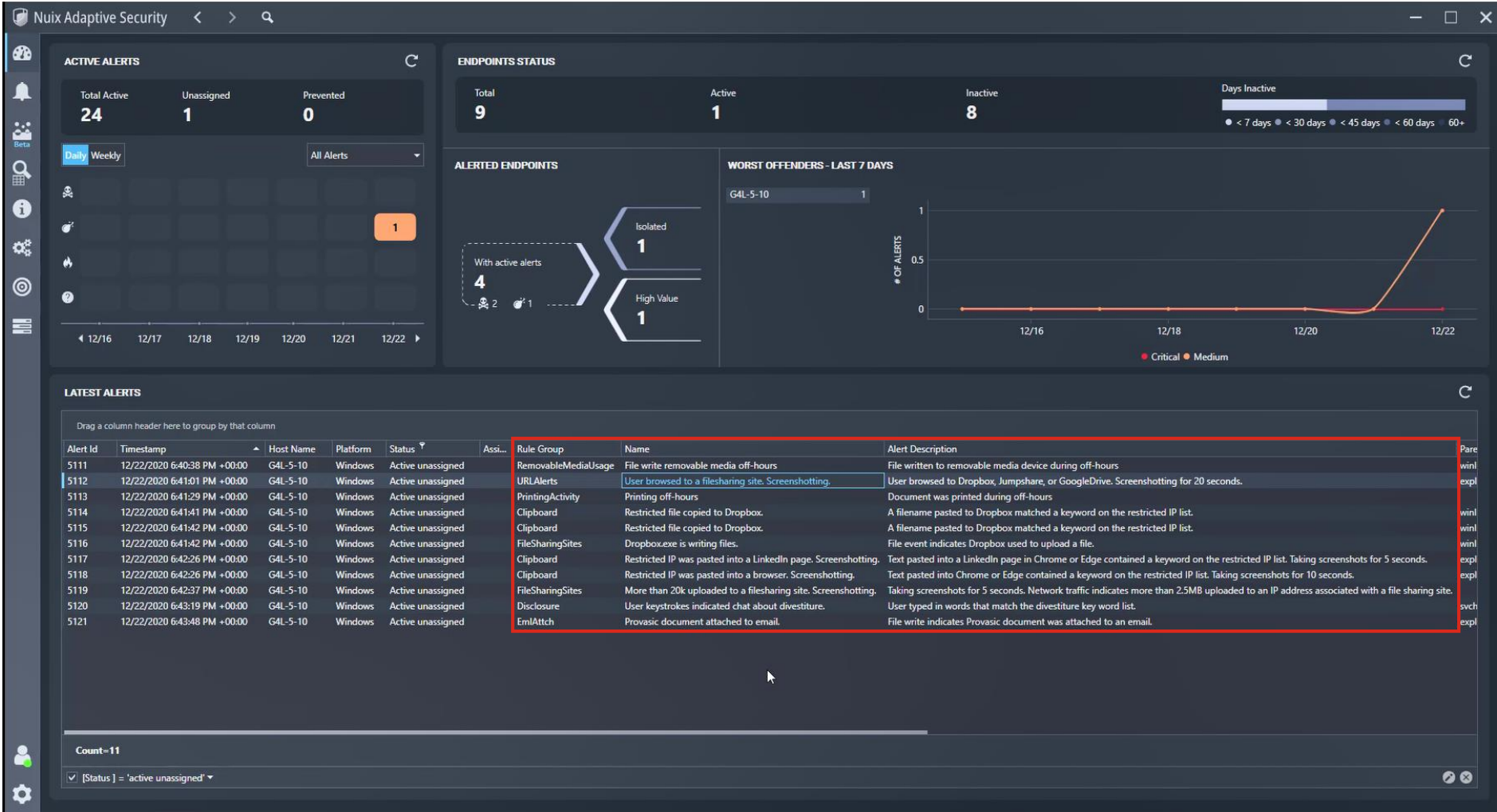
Discuss a sensitive transaction before it closes

- Mentions transaction in chat
- Attaches document to email



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Scenario 1 – Data Theft and Disclosure



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Scenario 1 – Data Theft and Disclosure

The screenshot displays the Nux Adaptive Security 'Files Insight' interface. The table below shows a list of file operations performed by explorer.exe on 12/22/2020. A red box highlights a specific row where a file named 'provasic.oxps.lnk' was written. A callout box points to the table with the text 'Detection of file writes/manipulations, renames and deletions'.

Timestamp	Host Name	Domain	Event Type	File Name	File Path	Process Name
12/22/2020 6:42:08...	G4L-5-10	WORKGROUP	Write	Research.lnk	\\Device\HarddiskV...	explorer.exe
12/22/2020 6:42:08...	G4L-5-10	WORKGROUP	Write	Provasic_PRR_Apr_2020.docx.lnk	\\Device\HarddiskV...	explorer.exe
12/22/2020 6:42:08...	G4L-5-10	WORKGROUP	Delete	Research.lnk	\\Device\HarddiskV...	explorer.exe
12/22/2020 6:42:08...	G4L-5-10	WORKGROUP	Delete	Provasic_PRR_Apr_2020.docx.lnk	\\Device\HarddiskV...	explorer.exe
12/22/2020 6:41:51...	G4L-5-10	WORKGROUP	Write	SILKITMO.docx	\\Device\HarddiskV...	explorer.exe
12/22/2020 6:41:51...	G4L-5-10	WORKGROUP	Rename	\$RLKITMO.docx	\\Device\HarddiskV...	explorer.exe
12/22/2020 6:41:51...	G4L-5-10	WORKGROUP	Delete	Provasic_PRR_Apr_2020.docx	\\Device\HarddiskV...	explorer.exe
12/22/2020 6:41:42...	G4L-5-10	WORKGROUP	Write	Provasic_PRR_Apr_2020.docx:Zone.Identifier	\\Device\HarddiskV...	explorer.exe
12/22/2020 6:41:42...	G4L-5-10	WORKGROUP	Write	Provasic_PRR_Apr_2020.docx	\\Device\HarddiskV...	explorer.exe
12/22/2020 6:41:42...	G4L-5-10	WORKGROUP	Write	Provasic_PRR_Apr_2020.docx	\\Device\HarddiskV...	explorer.exe
12/22/2020 6:41:31...	G4L-5-10	WORKGROUP	Write	Provasic_PRR_Apr_2020.docx.lnk	\\Device\HarddiskV...	explorer.exe
12/22/2020 6:41:31...	G4L-5-10	WORKGROUP	Delete	Provasic_PRR_Apr_2020.docx.lnk	\\Device\HarddiskV...	explorer.exe
12/22/2020 6:41:23...	G4L-5-10	WORKGROUP	Write	provasic.oxps.lnk	\\Device\HarddiskV...	explorer.exe
12/22/2020 6:41:23...	G4L-5-10	WORKGROUP	Delete	provasic.oxps.lnk	\\Device\HarddiskV...	explorer.exe
12/22/2020 6:41:02...	G4L-5-10	WORKGROUP	Write	Provasic_PRR_Apr_2020.docx.lnk	\\Device\HarddiskV...	explorer.exe
12/22/2020 6:41:02...	G4L-5-10	WORKGROUP	Delete	Provasic_PRR_Apr_2020.docx.lnk	\\Device\HarddiskV...	explorer.exe
12/22/2020 6:40:38...	G4L-5-10	WORKGROUP	Write	Provasic_PRR_Apr_2020.docx	\\Device\HarddiskV...	explorer.exe
12/22/2020 6:40:38...	G4L-5-10	WORKGROUP	Write	Provasic_PRR_Apr_2020.docx	\\Device\HarddiskV...	explorer.exe
12/22/2020 6:40:24...	G4L-5-10	WORKGROUP	Write	Provasic_PRR_Apr_2020.docx	\\Device\HarddiskV...	explorer.exe
12/22/2020 6:40:24...	G4L-5-10	WORKGROUP	Write	Provasic_PRR_Apr_2020.docx:Zone.Identifier	\\Device\HarddiskV...	explorer.exe
12/22/2020 6:40:12...	G4L-5-10	WORKGROUP	Write	srsvvc	\\Device\Mup\Nux...	explorer.exe
12/22/2020 6:40:12...	G4L-5-10	WORKGROUP	Write	srsvvc	\\Device\Mup\Nux...	explorer.exe
12/22/2020 6:36:25...	G4L-5-10	WORKGROUP	Delete	\$IV7R2IY.oxps	\\Device\HarddiskV...	explorer.exe
12/22/2020 6:36:25...	G4L-5-10	WORKGROUP	Delete	\$RV7R2IY.oxps	\\Device\HarddiskV...	explorer.exe
12/22/2020 6:36:18...	G4L-5-10	WORKGROUP	Write	\$IV7R2IY.oxps	\\Device\HarddiskV...	explorer.exe
12/22/2020 6:36:18...	G4L-5-10	WORKGROUP	Rename	\$RV7R2IY.oxps	\\Device\HarddiskV...	explorer.exe
12/22/2020 6:36:18...	G4L-5-10	WORKGROUP	Delete	provasic.oxps	\\Device\HarddiskV...	explorer.exe
12/22/2020 6:36:14...	G4L-5-10	WORKGROUP	Delete	\$IU8GYZS.docx	\\Device\HarddiskV...	explorer.exe
12/22/2020 6:36:14...	G4L-5-10	WORKGROUP	Delete	\$RU8GYZS.docx	\\Device\HarddiskV...	explorer.exe
12/22/2020 6:36:06...	G4L-5-10	WORKGROUP	Delete	Provasic_PRR_Apr_2020.docx	\\Device\HarddiskV...	explorer.exe

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Scenario 1 – Data Theft and Disclosure

The screenshot displays the NuiX Adaptive Security interface, specifically the 'Files Insight' section for 'explorer.exe'. The interface shows a list of file operations with columns for Timestamp, Host Name, Domain, Event Type, File Name, File Path, Process Name, PID, Process User, and File Size. A red box highlights a specific row where a file named 'Provasic_PRR_Apr_2020.docx' was written to the path '\Device\HarddiskVolume1\Users\Vito Intaglia\Dropbox'. A callout box with a red border points to this row, containing the text: 'Evidence of files being written to local DropBox folder'. The interface also shows a search filter at the bottom: '[PID] = '9164' And [Host.ID] = '3' And [File Name] = 'Provasic_PRR_Apr_2020.docx''.

Timestamp	Host Name	Domain	Event Type	File Name	File Path	Process Name	PID	Process User	File Size
12/22/2020 6:26:03...	G4L-5-10	WORKGROUP	Write	Provasic_PRR_Apr_2020.docx	\Device\HarddiskVolume1\Users\Vito Intaglia\Desktop	explorer.exe	9164	Built-in administrat...	9125585
12/22/2020 6:26:23...	G4L-5-10	WORKGROUP	Write	Provasic_PRR_Apr_2020.docx	\Device\HarddiskVolume8	explorer.exe	9164	Built-in administrat...	9125585
12/22/2020 6:26:23...	G4L-5-10	WORKGROUP	Write	Provasic_PRR_Apr_2020.docx	\Device\HarddiskVolume8	explorer.exe	9164	Built-in administrat...	9125585
12/22/2020 6:26:53...	G4L-5-10	WORKGROUP	Rename	Provasic_PRR_Apr_2020.docx	\Device\HarddiskVolume1\Users\Vito Intaglia\Dropbox	explorer.exe	9164	Built-in administrat...	0
12/22/2020 6:26:53...	G4L-5-10	WORKGROUP	Rename	Provasic_PRR_Apr_2020.docx	\Device\HarddiskVolume1\Users\Vito Intaglia\Dropbox	explorer.exe	9164	Built-in administrat...	0
12/22/2020 6:27:23...	G4L-5-10	WORKGROUP	Write	Provasic_PRR_Apr_2020.docx	\Device\HarddiskVolume1\Users\Vito Intaglia\Desktop	explorer.exe	9164	Built-in administrat...	9125585
12/22/2020 6:28:55...	G4L-5-10	WORKGROUP	Delete	Provasic_PRR_Apr_2020.docx	\Device\HarddiskVolume1\Users\Vito Intaglia\Desktop	explorer.exe	9164	Built-in administrat...	9125585
12/22/2020 6:29:49...	G4L-5-10	WORKGROUP	Delete	Provasic_PRR_Apr_2020.docx	\Device\HarddiskVolume8	explorer.exe	9164	Built-in administrat...	9125585
12/22/2020 6:32:36...	G4L-5-10	WORKGROUP	Write	Provasic_PRR_Apr_2020.docx	\Device\HarddiskVolume1\Users\Vito Intaglia\Desktop	explorer.exe	9164	Built-in administrat...	9125585
12/22/2020 6:32:50...	G4L-5-10	WORKGROUP	Write	Provasic_PRR_Apr_2020.docx	\Device\HarddiskVolume8	explorer.exe	9164	Built-in administrat...	9125585
12/22/2020 6:32:50...	G4L-5-10	WORKGROUP	Write	Provasic_PRR_Apr_2020.docx	\Device\HarddiskVolume8	explorer.exe	9164	Built-in administrat...	9125585
12/22/2020 6:33:36...	G4L-5-10	WORKGROUP	Rename	Provasic_PRR_Apr_2020.docx	\Device\HarddiskVolume1\Users\Vito Intaglia\Dropbox	explorer.exe	9164	Built-in administrat...	0
12/22/2020 6:33:36...	G4L-5-10	WORKGROUP	Rename	Provasic_PRR_Apr_2020.docx	\Device\HarddiskVolume1\Users\Vito Intaglia\Dropbox	explorer.exe	9164	Built-in administrat...	0
12/22/2020 6:33:57...	G4L-5-10	WORKGROUP	Rename	Provasic_PRR_Apr_2020.docx	\Device\HarddiskVolume1\Users\Vito Intaglia\Desktop	explorer.exe	9164	Built-in administrat...	0
12/22/2020 6:34:34...	G4L-5-10	WORKGROUP	Delete	Provasic_PRR_Apr_2020.docx	\Device\HarddiskVolume1\Users\Vito Intaglia\Desktop	explorer.exe	9164	Built-in administrat...	9125585
12/22/2020 6:36:06...	G4L-5-10	WORKGROUP	Delete	Provasic_PRR_Apr_2020.docx	\Device\HarddiskVolume9	explorer.exe	9164	Built-in administrat...	9125585
12/22/2020 6:40:24...	G4L-5-10	WORKGROUP	Write	Provasic_PRR_Apr_2020.docx	\Device\HarddiskVolume1\Users\Vito Intaglia\Desktop	explorer.exe	9164	Built-in administrat...	9125585
12/22/2020 6:40:38...	G4L-5-10	WORKGROUP	Write	Provasic_PRR_Apr_2020.docx	\Device\HarddiskVolume9	explorer.exe	9164	Built-in administrat...	9125585
12/22/2020 6:40:38...	G4L-5-10	WORKGROUP	Write	Provasic_PRR_Apr_2020.docx	\Device\HarddiskVolume9	explorer.exe	9164	Built-in administrat...	9125585
12/22/2020 6:41:42...	G4L-5-10	WORKGROUP	Write	Provasic_PRR_Apr_2020.docx	\Device\HarddiskVolume1\Users\Vito Intaglia\Dropbox	explorer.exe	9164	Built-in administrat...	9125585
12/22/2020 6:41:42...	G4L-5-10	WORKGROUP	Write	Provasic_PRR_Apr_2020.docx	\Device\HarddiskVolume1\Users\Vito Intaglia\Dropbox	explorer.exe	9164	Built-in administrat...	9125585
12/22/2020 6:41:51...	G4L-5-10	WORKGROUP	Delete	Provasic_PRR_Apr_2020.docx	\Device\HarddiskVolume1\Users\Vito Intaglia\Desktop	explorer.exe	9164	Built-in administrat...	9125585

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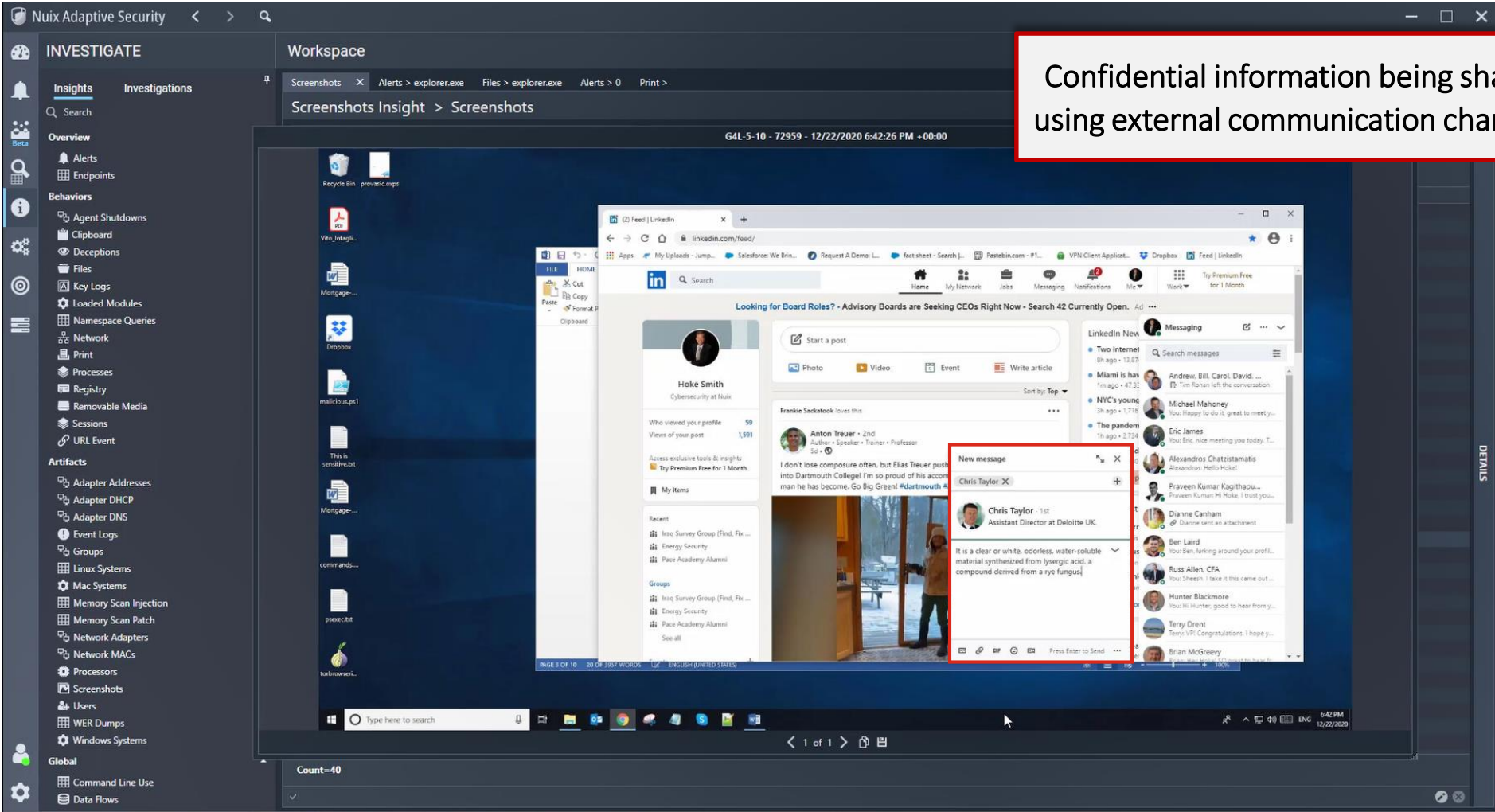
Scenario 1 – Data Theft and Disclosure

The screenshot displays the Nux Adaptive Security 'INVESTIGATE' workspace. The main view is a table of print jobs. A red box highlights a specific set of rows, and a callout box points to them with the text 'Detection of print jobs originating from endpoint'.

Timestamp	Host Name	Domain	Type	Document	User	Printer	Pages	Size
12/22/2020 6:41:29...	G4L-5-10	WORKGROUP	Job printed	Microsoft Word - Provasic_PRR_Apr_2020.docx	Vito Intaglia	Microsoft XPS Doc...	10	1988897
12/22/2020 6:41:29...	G4L-5-10	WORKGROUP	Job printed	Microsoft Word - Provasic_PRR_Apr_2020.docx	Vito Intaglia	Microsoft XPS Doc...	10	1988897
12/22/2020 6:34:26...	G4L-5-10	WORKGROUP	Job printed	Microsoft Word - Provasic_PRR_Apr_2020.docx	Vito Intaglia	Microsoft XPS Doc...	10	1988831
12/22/2020 6:34:26...	G4L-5-10	WORKGROUP	Job printed	Microsoft Word - Provasic_PRR_Apr_2020.docx	Vito Intaglia	Microsoft XPS Doc...	10	1988831
12/22/2020 6:27:58...	G4L-5-10	WORKGROUP	Job printed	Microsoft Word - Provasic_PRR_Apr_2020.docx	Vito Intaglia	Microsoft XPS Doc...	10	1988848
12/22/2020 6:27:58...	G4L-5-10	WORKGROUP	Job printed	Microsoft Word - Provasic_PRR_Apr_2020.docx	Vito Intaglia	Microsoft XPS Doc...	10	1988848
11/24/2020 7:21:09...	G4L-5-10	WORKGROUP	Job printed	Microsoft PowerPoint - fascinating_pix.pptx	Vito Intaglia	Microsoft XPS Doc...	12	2114533
11/24/2020 7:21:09...	G4L-5-10	WORKGROUP	Job printed	Microsoft PowerPoint - fascinating_pix.pptx	Vito Intaglia	Microsoft XPS Doc...	12	2114533
11/24/2020 7:21:09...	G4L-5-10	WORKGROUP	Job printed	Microsoft PowerPoint - fascinating_pix.pptx	Vito Intaglia	Microsoft XPS Doc...	12	2114533
11/18/2020 6:54:34...	G4L-5-10	WORKGROUP	Job printed	Microsoft PowerPoint - fascinating_pix.pptx	Vito Intaglia	Microsoft XPS Doc...	12	2114533
11/18/2020 6:54:34...	G4L-5-10	WORKGROUP	Job printed	Microsoft PowerPoint - fascinating_pix.pptx	Vito Intaglia	Microsoft XPS Doc...	12	2114533
11/18/2020 6:54:34...	G4L-5-10	WORKGROUP	Job printed	Microsoft PowerPoint - fascinating_pix.pptx	Vito Intaglia	Microsoft XPS Doc...	12	2114533
11/18/2020 5:15:02...	G4L-5-10	WORKGROUP	Job printed	Microsoft PowerPoint - fascinating_pix.pptx	Vito Intaglia	Microsoft XPS Doc...	12	2114533
11/18/2020 5:15:02...	G4L-5-10	WORKGROUP	Job printed	Microsoft PowerPoint - fascinating_pix.pptx	Vito Intaglia	Microsoft XPS Doc...	12	2114533
11/18/2020 5:15:02...	G4L-5-10	WORKGROUP	Job printed	Microsoft PowerPoint - fascinating_pix.pptx	Vito Intaglia	Microsoft XPS Doc...	12	2114533
10/22/2020 5:46:37...	G4L-5-10	WORKGROUP	Job printed	Job Description - Senior Manager, Strategic Sourcing (HAC...	Vito Intaglia	Microsoft XPS Doc...	2	1988932
10/22/2020 5:46:37...	G4L-5-10	WORKGROUP	Job printed	Job Description - Senior Manager, Strategic Sourcing (HAC...	Vito Intaglia	Microsoft XPS Doc...	2	1988932
9/29/2020 9:04:19...	G4L-5-10	WORKGROUP	Job printed	commands.txt - Notepad	Vito Intaglia	Microsoft Print to P...	1	51206
9/29/2020 9:04:19...	G4L-5-10	WORKGROUP	Job printed	commands.txt - Notepad	Vito Intaglia	Microsoft Print to P...	1	934118
9/29/2020 1:31:34...	G4L-5-10	WORKGROUP	Job printed	Vito_Intaglia_Promissory_Note.pdf	Vito Intaglia	Microsoft Print to P...	1	934118
9/29/2020 1:31:34...	G4L-5-10	WORKGROUP	Job printed	Vito_Intaglia_Promissory_Note.pdf	Vito Intaglia	Microsoft Print to P...	1	934118
9/29/2020 1:28:09...	G4L-5-10	WORKGROUP	Job printed	Microsoft Word - Provasic_PRR_Apr_2020.docx	Vito Intaglia	Microsoft XPS Doc...	10	1988932
9/29/2020 1:28:09...	G4L-5-10	WORKGROUP	Job printed	Microsoft Word - Provasic_PRR_Apr_2020.docx	Vito Intaglia	Microsoft XPS Doc...	10	1988932
9/11/2020 12:44:31...	G4L-5-10	WORKGROUP	Job printed	Microsoft PowerPoint - fascinating_pix.pptx	Vito Intaglia	Microsoft XPS Doc...	12	2114563
9/11/2020 12:44:31...	G4L-5-10	WORKGROUP	Job printed	Microsoft PowerPoint - fascinating_pix.pptx	Vito Intaglia	Microsoft XPS Doc...	12	2114563
9/11/2020 12:44:31...	G4L-5-10	WORKGROUP	Job printed	Microsoft PowerPoint - fascinating_pix.pptx	Vito Intaglia	Microsoft XPS Doc...	12	2114563
9/11/2020 11:42:43...	G4L-5-10	WORKGROUP	Job printed	Microsoft PowerPoint - fascinating_pix.pptx	Vito Intaglia	Microsoft XPS Doc...	12	2114525
9/11/2020 11:42:43...	G4L-5-10	WORKGROUP	Job printed	Microsoft PowerPoint - fascinating_pix.pptx	Vito Intaglia	Microsoft XPS Doc...	12	2114525
9/11/2020 11:42:43...	G4L-5-10	WORKGROUP	Job printed	Microsoft PowerPoint - fascinating_pix.pptx	Vito Intaglia	Microsoft XPS Doc...	12	2114525
9/11/2020 10:32:04...	G4L-5-10	WORKGROUP	Job printed	Microsoft PowerPoint - fascinating_pix.pptx	Vito Intaglia	Microsoft XPS Doc...	12	2114566
9/11/2020 10:32:04...	G4L-5-10	WORKGROUP	Job printed	Microsoft PowerPoint - fascinating_pix.pptx	Vito Intaglia	Microsoft XPS Doc...	12	2114566
9/11/2020 10:32:04...	G4L-5-10	WORKGROUP	Job printed	Microsoft PowerPoint - fascinating_pix.pptx	Vito Intaglia	Microsoft XPS Doc...	12	2114566
7/30/2020 4:42:53...	G4L-5-10	WORKGROUP	Job printed	Microsoft PowerPoint - fascinating_pix.pptx	Vito Intaglia	Microsoft XPS Doc...	12	2114555
7/30/2020 4:42:53...	G4L-5-10	WORKGROUP	Job printed	Microsoft PowerPoint - fascinating_pix.pptx	Vito Intaglia	Microsoft XPS Doc...	12	2114555
7/30/2020 4:42:53...	G4L-5-10	WORKGROUP	Job printed	Microsoft PowerPoint - fascinating_pix.pptx	Vito Intaglia	Microsoft XPS Doc...	12	2114555

It's what's inside that counts: transforming investigations to detect and prevent insider threats

Scenario 1 – Data Theft and Disclosure



It's what's inside that counts: transforming investigations to detect and prevent insider threats

Scenario 1 – Data Theft and Disclosure

The screenshot shows the Nux Adaptive Security interface. The main window displays 'Key Logs Insight > KeyLogs'. A table lists keylog events with columns for Timestamp, Host Name, Domain, Key, Active Window Title, Process Name, PID, and Process User. A red box highlights a specific row where the key is 'chris taylor' and the active window is 'New Tab - Google...'. Another red box highlights a row where the key is '[CTRL+C]' and the active window is 'Provasic_PRR_Apr...'. A third red box highlights a row where the key is '[CTRL+V]' and the active window is '(1) Feed | LinkedIn...'. A fourth red box highlights a row where the key is '[CTRL+P]' and the active window is 'Resume Reading'.

Timestamp	Host Name	Domain	Key	Active Window Title	Process Name	PID	Process User
12/22/2020 6:17:20...	G4L-5-10	WORKGROUP	www.lin	New Tab - Google...	chrome.exe	15384	Vito Intaglia
12/22/2020 6:20:16...	G4L-5-10	WORKGROUP	chris taylor	New Tab - Google...	chrome.exe	15384	Vito Intaglia
12/22/2020 6:20:16...	G4L-5-10	WORKGROUP	[CTRL+C]	Provasic_PRR_Apr...	WINWORD.EXE	6492	Vito Intaglia
12/22/2020 6:20:21...	G4L-5-10	WORKGROUP	[CTRL+V]	Feed LinkedIn - G...	chrome.exe	15384	Vito Intaglia
12/22/2020 6:21:54...	G4L-5-10	WORKGROUP	[DEL]mail[ESC]	Feed LinkedIn - G...	chrome.exe	15384	Vito Intaglia
12/22/2020 6:27:32...	G4L-5-10	WORKGROUP	[CTRL+P]	Resume Reading	WINWORD.EXE	16148	Vito Intaglia
12/22/2020 6:29:26...	G4L-5-10	WORKGROUP	provasic	Save Print Output As	WINWORD.EXE	16148	Vito Intaglia
12/22/2020 6:31:26...	G4L-5-10	WORKGROUP	chris taylor	(1) Feed LinkedIn...	chrome.exe	12448	Vito Intaglia
12/22/2020 6:35:13...	G4L-5-10	WORKGROUP	provasic	Save Print Output As	WINWORD.EXE	12052	Vito Intaglia
12/22/2020 6:37:13...	G4L-5-10	WORKGROUP	crh[BS][BS]hi[BS]ris...	(2) Feed LinkedIn...	chrome.exe	17164	Vito Intaglia
12/22/2020 6:42:22...	G4L-5-10	WORKGROUP	provasic	Save Print Output As	WINWORD.EXE	11924	Vito Intaglia
12/22/2020 6:42:23...	G4L-5-10	WORKGROUP	[CTRL+C]	Provasic_PRR_Apr...	WINWORD.EXE	6768	Vito Intaglia
12/22/2020 6:42:26...	G4L-5-10	WORKGROUP	[CTRL+V]	(2) Feed LinkedIn...	chrome.exe	17164	Vito Intaglia
12/22/2020 6:43:19...	G4L-5-10	WORKGROUP	richprovasic	Skype	ApplicationFrameH...	6524	Local system
12/22/2020 6:43:19...	G4L-5-10	WORKGROUP	richprovasic	Skype	ApplicationFrameH...	6524	Local system
12/22/2020 6:43:31...	G4L-5-10	WORKGROUP	provasic transactio...	Untitled - Message...	OUTLOOK.EXE	10396	Vito Intaglia
12/22/2020 6:44:02...	G4L-5-10	WORKGROUP	[F10]	Inbox - vito.intaglia...	OUTLOOK.EXE	10396	Vito Intaglia

Keylogs identifying keywords being typed and destination window

It's what's inside that counts: transforming investigations to detect and prevent insider threats

Scenario 1 – Data Theft and Disclosure

The screenshot displays the Nux Adaptive Security interface. The main window shows 'Files Insight > Files > OUTLOOK.EXE'. A table of file operations is visible, with a red box highlighting a specific row. A callout box with a red border points to this row, containing the text 'Evidence of a file being attached to an email'.

Timestamp	Host Name	Domain	Event Type	File Name	File Path	Process Name	PID	Process User	File Size	MD5
12/22/2020 6:43:08...	G4L-5-10	WORKGROUP	Rename	CVR1AE0.tmp.cvr	\Device\HarddiskV...	OUTLOOK.EXE	10396	Vito Intaglia	0	
12/22/2020 6:43:09...	G4L-5-10	WORKGROUP	Write	en-us-static-AF102819889.xml0	\Device\HarddiskV...	OUTLOOK.EXE	10396	Vito Intaglia	588	2ABD80042C6236E...
12/22/2020 6:43:32...	G4L-5-10	WORKGROUP	Write	tmp6FF6.tmp	\Device\HarddiskV...	OUTLOOK.EXE	10396	Vito Intaglia	16776984	
12/22/2020 6:43:32...	G4L-5-10	WORKGROUP	Delete	tmp6FF6.tmp	\Device\HarddiskV...	OUTLOOK.EXE	10396	Vito Intaglia	16776984	
12/22/2020 6:43:48...	G4L-5-10	WORKGROUP	Write	Provasic_PRR_Apr_2020.docx	\Device\HarddiskV...	OUTLOOK.EXE	10396	Vito Intaglia	9125585	
12/22/2020 6:43:48...	G4L-5-10	WORKGROUP	Write	Provasic_PRR_Apr_2020.docx	\Device\HarddiskV...	OUTLOOK.EXE	10396	Vito Intaglia	9125585	
12/22/2020 6:43:48...	G4L-5-10	WORKGROUP	Write	Provasic_PRR_Apr_2020.docx	\Device\HarddiskV...	OUTLOOK.EXE	10396	Vito Intaglia	9125585	
12/22/2020 6:43:48...	G4L-5-10	WORKGROUP	Delete	Provasic_PRR_Apr_2020.docx	\Device\HarddiskV...	OUTLOOK.EXE	10396	Vito Intaglia	9125585	
12/22/2020 6:43:58...	G4L-5-10	WORKGROUP	Delete	Provasic_PRR_Apr_2020.docx	\Device\HarddiskV...	OUTLOOK.EXE	10396	Vito Intaglia	9125585	

A hand is visible on the left side of the slide, pointing towards the center. The background is a dark blue digital theme with circuit-like patterns and several icons: a shield with a padlock, a shopping cart, a laptop with a magnifying glass over an envelope, and a database cylinder.

Scenario 2 - Fraudulent Transaction

It's what's inside that counts: transforming investigations to detect and prevent insider threats

Scenario 2 – Fraudulent Transaction

Falsify a purchase order



Prepare

- Research target company
- Set up secure communications
- Get tools to clean up evidence



Execute

- Copy template to local system
- Falsify signature
- Modify template
- Print document



Cleanup

- Delete files
- Run a deletion utility



Communicate

- Interact with other involved parties over chat, email, etc.



It's what's inside that counts: transforming investigations to detect and prevent insider threats

Scenario 2 – Fraudulent Transaction

The screenshot displays the NuiX Adaptive Security dashboard. The top left shows 'ACTIVE ALERTS' with 25 total, 2 unassigned, and 0 prevented. The top right shows 'ENDPOINTS STATUS' with 9 total, 1 active, and 8 inactive. A central section shows 'ALERTED ENDPOINTS' with 4 total, 1 isolated, and 1 high value. The bottom section is a table of 'LATEST ALERTS' with 9 entries. A red box highlights a specific alert in the table.

Timestamp	Host Name	Status	Severity	Rule Group	Name	Alert Description	Parent Process	Process
1/8/2021 5:19:23 PM +00:00	G4L-5-10	Active unassigned	Critical	HideCommunications	VPN client installer detected.	A VPN client installer file was written or renamed. User may be trying to conceal communications.	explorer.exe	chrome.
1/8/2021 5:19:33 PM +00:00	G4L-5-10	Active unassigned	Critical	DeletionTools	A wiper utility was detected.	A file associated with a wiper utility was detected.	userinit.exe	explorer
1/8/2021 5:20:54 PM +00:00	G4L-5-10	Active unassigned	Medium	POFraud	Image pasted into purchase order template after hours. Screenshotting.	An image was pasted into the PO template after hours. User could be falsifying signature. Screenshotting 5 seconds.	explorer.exe	WINWO
1/8/2021 5:21:43 PM +00:00	G4L-5-10	Active unassigned		PrintingActivity	Printing off-hours	Document was printed during off-hours		
1/8/2021 5:21:43 PM +00:00	G4L-5-10	Active unassigned		PrintingActivity	Printing watchlisted document	Document printed from application with window title in a watchlist		
1/8/2021 5:23:05 PM +00:00	G4L-5-10	Active unassigned	Low	MassDeletion	More than five files deleted.	Explorer.exe deleted more than five files.	userinit.exe	explorer
1/8/2021 5:23:15 PM +00:00	G4L-5-10	Active unassigned	Critical	RemovableMediaUsage	Execution removable media off-hours	File executed from removable media device during off-hours	explorer.exe	KillDisk
1/8/2021 5:23:15 PM +00:00	G4L-5-10	Active unassigned	Critical	DeletionTools	A wiper utility was detected. Screenshotting.	A process normally used to delete data started. Screenshotting for 5 seconds.	explorer.exe	KillDisk
1/8/2021 5:23:18 PM +00:00	G4L-5-10	Active unassigned	Critical	RemovableMediaUsage	File write removable media off-hours	File written to removable media device during off-hours	explorer.exe	KillDisk

It's what's inside that counts: transforming investigations to detect and prevent insider threats

Scenario 2 – Fraudulent Transaction

INVESTIGATE

Workspace

Screenshots Insight > Screenshots

G41-5-10 - 73181 1/8/2021 5:20:54 PM +00:00

Screenshot 1 showing a blank signature box

Count=30

It's what's inside that counts: transforming investigations to detect and prevent insider threats

Scenario 2 – Fraudulent Transaction

The screenshot displays the Nux Adaptive Security interface. On the left is a navigation pane with sections: INVESTIGATE, Overview, Behaviors, and Artifacts. The main workspace shows two Word documents titled 'Purchase-Order-Template.docx'. A red box highlights the timestamp '1/8/2021 5:20:58 PM +00:00' in the top right corner of the workspace. A callout box with a red border points to a signature in the 'Signature' field of the document. The document content includes a form with fields for 'To:', 'Ship To:', 'Company Name', 'Company Address', 'City, St, ZIP Code', 'SKU', 'Phone', 'Fax', and 'Email'. Below this is a table with columns 'Item No', 'Description', 'Qty', 'Unit Price', and 'Total'. The signature field contains a handwritten signature.

Screenshot 2 showing a filled in signature box

It's what's inside that counts: transforming investigations to detect and prevent insider threats

Scenario 2 – Fraudulent Transaction

The screenshot displays the Nux Adaptive Security interface, specifically the 'Files Insight' section for the process 'explorer.exe'. The interface shows a table of file operations with columns for Timestamp, Host Name, Domain, Event Type, File Name, File Path, Process Name, PID, Process User, File Size, and MD5. A red box highlights a series of 'Delete' events for files named 'Purchase-Order-Acme-5 Jan.docx' through 'Purchase-Order-Acme-20 Jan.docx'. A red callout box points to this area with the text 'Evidence of mass file deletion'.

Timestamp	Host Name	Domain	Event Type	File Name	File Path	Process Name	PID	Process User	File Size	MD5
1/8/2021 5:23:05 P...	G4L-5-10	WORKGROUP	Write	\$IGBTAPR.docx	\\Device\\HarddiskV...	explorer.exe	5308	Vito Intaglia	206	2025DE4E32528D4...
1/8/2021 5:23:05 P...	G4L-5-10	WORKGROUP	Rename	\$RGBTAPR.docx	\\Device\\HarddiskV...	explorer.exe	5308	Vito Intaglia	0	
1/8/2021 5:23:05 P...	G4L-5-10	WORKGROUP	Rename	\$R9LRTUB.docx	\\Device\\HarddiskV...	explorer.exe	5308	Vito Intaglia	0	
1/8/2021 5:23:05 P...	G4L-5-10	WORKGROUP	Write	\$I9LRTUB.docx	\\Device\\HarddiskV...	explorer.exe	5308	Vito Intaglia	206	6886ED855107E4A...
1/8/2021 5:23:05 P...	G4L-5-10	WORKGROUP	Write	\$IVQVXXK.docx	\\Device\\HarddiskV...	explorer.exe	5308	Vito Intaglia	206	D9FA39725FEF584...
1/8/2021 5:23:05 P...	G4L-5-10	WORKGROUP	Rename	\$RVQVXXK.docx	\\Device\\HarddiskV...	explorer.exe	5308	Vito Intaglia	0	
1/8/2021 5:23:05 P...	G4L-5-10	WORKGROUP	Rename	\$RX11SBA.docx	\\Device\\HarddiskV...	explorer.exe	5308	Vito Intaglia	0	
1/8/2021 5:23:05 P...	G4L-5-10	WORKGROUP	Write	\$IYOHYGN.docx	\\Device\\HarddiskV...	explorer.exe	5308	Vito Intaglia	206	9AD2418B07197E2...
1/8/2021 5:23:05 P...	G4L-5-10	WORKGROUP	Write	\$IX11SBA.docx	\\Device\\HarddiskV...	explorer.exe	5308	Vito Intaglia	206	2F6B034FF0F29F6A...
1/8/2021 5:23:05 P...	G4L-5-10	WORKGROUP	Rename	\$RYOHYGN.docx	\\Device\\HarddiskV...	explorer.exe	5308	Vito Intaglia	0	
1/8/2021 5:23:05 P...	G4L-5-10	WORKGROUP	Rename	\$RDOSONK.docx	\\Device\\HarddiskV...	explorer.exe	5308	Vito Intaglia	0	
1/8/2021 5:23:05 P...	G4L-5-10	WORKGROUP	Write	\$IDOSONK.docx	\\Device\\HarddiskV...	explorer.exe	5308	Vito Intaglia	208	C717C483AFA87CB...
1/8/2021 5:23:05 P...	G4L-5-10	WORKGROUP	Delete	Purchase-Order-Acme-5 Jan.docx	\\Device\\HarddiskV...	explorer.exe	5308	Vito Intaglia	181387	CD997E8CA7EE18D...
1/8/2021 5:23:05 P...	G4L-5-10	WORKGROUP	Delete	Purchase-Order-Acme-4 Jan.docx	\\Device\\HarddiskV...	explorer.exe	5308	Vito Intaglia	181387	CD997E8CA7EE18D...
1/8/2021 5:23:05 P...	G4L-5-10	WORKGROUP	Delete	Purchase-Order-Acme-4 Jan.docx	\\Device\\HarddiskV...	explorer.exe	5308	Vito Intaglia	181387	CD997E8CA7EE18D...
1/8/2021 5:23:05 P...	G4L-5-10	WORKGROUP	Delete	Purchase-Order-Acme-3 Jan.docx	\\Device\\HarddiskV...	explorer.exe	5308	Vito Intaglia	181387	CD997E8CA7EE18D...
1/8/2021 5:23:05 P...	G4L-5-10	WORKGROUP	Delete	Purchase-Order-Acme-2 Jan.docx	\\Device\\HarddiskV...	explorer.exe	5308	Vito Intaglia	181387	CD997E8CA7EE18D...
1/8/2021 5:23:05 P...	G4L-5-10	WORKGROUP	Delete	Purchase-Order-Acme-1 Jan.docx	\\Device\\HarddiskV...	explorer.exe	5308	Vito Intaglia	181387	CD997E8CA7EE18D...
1/8/2021 5:23:05 P...	G4L-5-10	WORKGROUP	Delete	Purchase-Order-Acme-20 Jan.docx	\\Device\\HarddiskV...	explorer.exe	5308	Vito Intaglia	181387	CD997E8CA7EE18D...
1/8/2021 5:22:51 P...	G4L-5-10	WORKGROUP	Write	snsvc	\\Device\\Mup\\Nuis...	explorer.exe	5308	Vito Intaglia	0	
1/8/2021 5:21:45 P...	G4L-5-10	WORKGROUP	Write	Purchase-Order-Template.docxlnk	\\Device\\HarddiskV...	explorer.exe	5308	Vito Intaglia	733	1004CEEA20C8A97...
1/8/2021 5:21:45 P...	G4L-5-10	WORKGROUP	Delete	Purchase-Order-Template.docxlnk	\\Device\\HarddiskV...	explorer.exe	5308	Vito Intaglia	655	782CB82C0F37A11...
1/8/2021 5:21:41 P...	G4L-5-10	WORKGROUP	Write	purchase-order-acme.oxps.lnk	\\Device\\HarddiskV...	explorer.exe	5308	Vito Intaglia	725	E51CE4928D8F5A...
1/8/2021 5:21:41 P...	G4L-5-10	WORKGROUP	Delete	Scanned from a Xerox Multifunction Printer.lnk	\\Device\\HarddiskV...	explorer.exe	5308	Vito Intaglia	440	2B94774F22D8FE4...
1/8/2021 5:21:22 P...	G4L-5-10	WORKGROUP	Write	Purchase-Order-Template.docxlnk	\\Device\\HarddiskV...	explorer.exe	5308	Vito Intaglia	655	782CB82C0F37A11...
1/8/2021 5:21:22 P...	G4L-5-10	WORKGROUP	Delete	Purchase-Order-Template.docxlnk	\\Device\\HarddiskV...	explorer.exe	5308	Vito Intaglia	655	A515A4E40E8E498...
1/8/2021 5:21:10 P...	G4L-5-10	WORKGROUP	Write	January.lnk	\\Device\\HarddiskV...	explorer.exe	5308	Vito Intaglia	718	CC382BDC842F3D...
1/8/2021 5:21:10 P...	G4L-5-10	WORKGROUP	Delete	January.lnk	\\Device\\HarddiskV...	explorer.exe	5308	Vito Intaglia	718	E33AF4F4D05957D...
1/8/2021 5:21:10 P...	G4L-5-10	WORKGROUP	Write	Purchase-Order-Acme-SIGNED.docxlnk	\\Device\\HarddiskV...	explorer.exe	5308	Vito Intaglia	1068	34AD8515DEF7A7EC...
1/8/2021 5:21:10 P...	G4L-5-10	WORKGROUP	Delete	Purchase-Order-Acme-SIGNED.docxlnk	\\Device\\HarddiskV...	explorer.exe	5308	Vito Intaglia	1068	C151FD584DE7B1E...
1/8/2021 5:20:11 P...	G4L-5-10	WORKGROUP	Write	Purchase-Order-Template.docxlnk	\\Device\\HarddiskV...	explorer.exe	5308	Vito Intaglia	655	A515A4E40E8E498...
1/8/2021 5:20:11 P...	G4L-5-10	WORKGROUP	Delete	Purchase-Order-Template.docxlnk	\\Device\\HarddiskV...	explorer.exe	5308	Vito Intaglia	733	0885F9F268A45CD...
1/8/2021 5:20:03 P...	G4L-5-10	WORKGROUP	Write	Purchase-Order-Acme-SIGNED.docxlnk	\\Device\\HarddiskV...	explorer.exe	5308	Vito Intaglia	1068	C151FD584DE7B1E...
1/8/2021 5:20:03 P...	G4L-5-10	WORKGROUP	Write	January.lnk	\\Device\\HarddiskV...	explorer.exe	5308	Vito Intaglia	718	E33AF4F4D05957D...
1/8/2021 5:20:03 P...	G4L-5-10	WORKGROUP	Delete	January.lnk	\\Device\\HarddiskV...	explorer.exe	5308	Vito Intaglia	1037	DOCTEE4DEF20693...

Count=40
✓ [PID] = '5308' And [Host ID] = '3'

Evidence of mass file deletion

It's what's inside that counts: transforming investigations to detect and prevent insider threats

Scenario 2 – Fraudulent Transaction

The screenshot displays the Nux Adaptive Security 'Workspace' interface, specifically the 'URL Event Insight' view. The interface includes a sidebar with navigation options like 'Insights', 'Investigations', 'Alerts', and 'Behaviors'. The main area shows a table of URL events with columns for Timestamp, Host Name, Domain, URL, Title, Description, Process Name, Process Id, User Name, and Last Visit Time. A red box highlights the URL, Title, and Description columns for several entries, including 'https://www.linkedin.com/feed/' and 'https://www.privateinternetaccess.com/pages/download'. A callout box with a red border contains the text 'URL events show web pages visited'.

Timestamp	Host Name	Domain	URL	Title	Description	Process Name	Process Id	User Name	Last Visit Time
1/8/2021 4:43:40 P...	G4L-5-10	WORKGROUP	https://www.linkedin.com/feed/	(2) Feed LinkedIn		chrome.exe	5916	Vito Intaglia	1/8/2021 4:43:26 F
1/8/2021 4:44:35 P...	G4L-5-10	WORKGROUP	https://www.google.com/search?q=acme+corporation&dq=acme+corporation&aq...	acme corporation -...		chrome.exe	5916	Vito Intaglia	1/8/2021 4:44:20 F
1/8/2021 4:44:35 P...	G4L-5-10	WORKGROUP	https://www.google.com/search?ei=51v4X9Ctk6D5wK27bDg8w&q=free+disk+wip...	free disk wiping uti...		chrome.exe	5916	Vito Intaglia	1/8/2021 4:44:30 F
1/8/2021 4:44:50 P...	G4L-5-10	WORKGROUP	https://www.privateinternetaccess.com/installer/x/download_installer_win/64	Download PIA for...		chrome.exe	5916	Vito Intaglia	1/8/2021 4:44:37 F
1/8/2021 4:44:50 P...	G4L-5-10	WORKGROUP	https://www.privateinternetaccess.com/pages/download	VPN Client Applica...		chrome.exe	5916	Vito Intaglia	1/8/2021 4:44:35 F
1/8/2021 4:44:50 P...	G4L-5-10	WORKGROUP	https://www.privateinternetaccess.com/screens/index	Download PIA for...		chrome.exe	5916	Vito Intaglia	1/8/2021 4:44:39 F
1/8/2021 5:19:14 P...	G4L-5-10	WORKGROUP	https://www.google.com/search?q=acme+corporation&dq=acme+corporation&aq...	acme corporation -...		chrome.exe	5916	Vito Intaglia	1/8/2021 5:19:02 F
1/8/2021 5:19:24 P...	G4L-5-10	WORKGROUP	https://www.google.com/search?ei=BZT4X8_B08Gz5gK087blBw&q=free+data+w...	free data wiping uti...		chrome.exe	5916	Vito Intaglia	1/8/2021 5:19:13 F
1/8/2021 5:19:24 P...	G4L-5-10	WORKGROUP	https://www.privateinternetaccess.com/installer/x/download_installer_win/64	Download PIA for...		chrome.exe	5916	Vito Intaglia	1/8/2021 5:19:21 F
1/8/2021 5:19:24 P...	G4L-5-10	WORKGROUP	https://www.privateinternetaccess.com/pages/download	VPN Client Applica...		chrome.exe	5916	Vito Intaglia	1/8/2021 5:19:19 F
1/8/2021 5:19:24 P...	G4L-5-10	WORKGROUP	https://www.privateinternetaccess.com/screens/index	Download PIA for...		chrome.exe	5916	Vito Intaglia	1/8/2021 5:19:22 F

It's what's inside that counts: transforming investigations to detect and prevent insider threats

Scenario 2 – Fraudulent Transaction

The screenshot shows the Nux Adaptive Security interface, specifically the 'Key Logs Insight' view. The interface includes a sidebar with navigation options like 'Insights', 'Investigations', 'Overview', 'Alerts', 'Endpoints', 'Behaviors', and 'Artifacts'. The main area displays a table of key logs with columns for Timestamp, Host Name, Domain, Key, Active Window Title, Process Name, PID, and Process User. A red box highlights a specific row where the 'Key' column contains 'hey Alex, the po is ready. just printed in[BS]t...' and the 'Active Window Title' is '(3) Feed | LinkedIn - Google Chrome'. A callout box points to this row with the text: 'Keylogs identifying keywords being typed and destination window'.

Timestamp	Host Name	Domain	Key	Active Window Title	Process Name	PID	Process User
1/8/2021 5:25:00 P...	G4L-5-10	WORKGROUP		February	explorer.exe	5308	Vito Intaglia
1/8/2021 5:22:37 P...	G4L-5-10	WORKGROUP		that po we discussed - Message (HTML)	OUTLOOK.EXE	208	Vito Intaglia
1/8/2021 5:22:36 P...	G4L-5-10	WORKGROUP	I printed it out. Will meet you at the same plac...	that po we discussed - Message (HTML)	OUTLOOK.EXE	208	Vito Intaglia
1/8/2021 5:22:21 P...	G4L-5-10	WORKGROUP	hey Alex, the po is ready. just printed in[BS]t...	(3) Feed LinkedIn - Google Chrome	chrome.exe	5916	Vito Intaglia
1/8/2021 5:22:09 P...	G4L-5-10	WORKGROUP	alexthat po we discussed	Untitled - Message (HTML)	OUTLOOK.EXE	208	Vito Intaglia
1/8/2021 5:21:57 P...	G4L-5-10	WORKGROUP	purchase-order-acme	Save Print Output As	WINWORD.EXE	6168	Vito Intaglia
1/8/2021 5:20:57 P...	G4L-5-10	WORKGROUP	[CTRL+V]	Purchase-Order-Template.docx - Word	WINWORD.EXE	12472	Vito Intaglia
1/8/2021 5:20:54 P...	G4L-5-10	WORKGROUP	[CTRL+V]	Purchase-Order-Template.docx - Word	WINWORD.EXE	12472	Vito Intaglia
1/8/2021 5:20:52 P...	G4L-5-10	WORKGROUP	[CTRL+C]	Purchase-Order-Acme-SIGNED.docx - Word	WINWORD.EXE	12472	Vito Intaglia
1/8/2021 5:20:51 P...	G4L-5-10	WORKGROUP	Acme Corporation	Purchase-Order-Template.docx - Word	WINWORD.EXE	12472	Vito Intaglia
1/8/2021 5:19:13 P...	G4L-5-10	WORKGROUP	free data wiping utiliti[BS]es	New Tab - Google Chrome	chrome.exe	5916	Vito Intaglia
1/8/2021 5:19:02 P...	G4L-5-10	WORKGROUP	acme corporation	New Tab - Google Chrome	chrome.exe	5916	Vito Intaglia
1/8/2021 5:18:36 P...	G4L-5-10	WORKGROUP	[CTRL+ALT+DEL]	Windows Default Lock Screen	LockApp.exe	13164	Local system
1/8/2021 5:18:32 P...	G4L-5-10	WORKGROUP	[CTRL+ALT+DEL]	Program Manager	explorer.exe	5308	Vito Intaglia
1/8/2021 5:18:32 P...	G4L-5-10	WORKGROUP	[BS]	(3) Feed LinkedIn - Google Chrome	chrome.exe	5916	Vito Intaglia
1/8/2021 5:06:35 P...	G4L-5-10	WORKGROUP	[CTRL+ALT+DEL]	Program Manager	explorer.exe	5308	Vito Intaglia
1/8/2021 5:06:06 P...	G4L-5-10	WORKGROUP		March	explorer.exe	5308	Vito Intaglia
1/8/2021 5:03:54 P...	G4L-5-10	WORKGROUP	[CTRL+ALT+DEL]	Windows Default Lock Screen	LockApp.exe	13164	Local system
1/8/2021 5:03:48 P...	G4L-5-10	WORKGROUP	[CTRL+ALT+DEL]	Program Manager	explorer.exe	5308	Vito Intaglia
1/8/2021 5:03:48 P...	G4L-5-10	WORKGROUP		Recycle Bin	explorer.exe	5308	Vito Intaglia
1/8/2021 5:02:46 P...	G4L-5-10	WORKGROUP	[CTRL+V]	Recycle Bin	explorer.exe	5308	Vito Intaglia
1/8/2021 5:02:41 P...	G4L-5-10	WORKGROUP	[CTRL+V]	Recycle Bin	explorer.exe	5308	Vito Intaglia
1/8/2021 5:02:37 P...	G4L-5-10	WORKGROUP	[CTRL+C]	Recycle Bin	explorer.exe	5308	Vito Intaglia
1/8/2021 4:54:22 P...	G4L-5-10	WORKGROUP		Recycle Bin	explorer.exe	5308	Vito Intaglia
1/8/2021 4:50:17 P...	G4L-5-10	WORKGROUP	[DEL]	January	explorer.exe	5308	Vito Intaglia
1/8/2021 4:48:03 P...	G4L-5-10	WORKGROUP		PO is ready - Message (HTML)	OUTLOOK.EXE	12444	Vito Intaglia
1/8/2021 4:48:03 P...	G4L-5-10	WORKGROUP	See you Tuesday at 3. Same bar as last time.	PO is ready - Message (HTML)	OUTLOOK.EXE	12444	Vito Intaglia
1/8/2021 4:47:53 P...	G4L-5-10	WORKGROUP	hey that PO is all set to go.	(2) Feed LinkedIn - Google Chrome	chrome.exe	5916	Vito Intaglia
1/8/2021 4:47:37 P...	G4L-5-10	WORKGROUP		Untitled - Message (HTML)	OUTLOOK.EXE	12444	Vito Intaglia
1/8/2021 4:47:36 P...	G4L-5-10	WORKGROUP	alexPO is ready I printed it and will hand it to...	Untitled - Message (HTML)	OUTLOOK.EXE	12444	Vito Intaglia
1/8/2021 4:47:23 P...	G4L-5-10	WORKGROUP	purchase order acmet[BS]-signed	Save Print Output As	WINWORD.EXE	10444	Vito Intaglia
1/8/2021 4:46:05 P...	G4L-5-10	WORKGROUP	[CTRL+V]	Purchase-Order-Template.docx - Word	WINWORD.EXE	10444	Vito Intaglia
1/8/2021 4:46:02 P...	G4L-5-10	WORKGROUP	[CTRL+C]	Purchase-Order-Acme-SIGNED.docx - Word	WINWORD.EXE	10444	Vito Intaglia
1/8/2021 4:44:29 P...	G4L-5-10	WORKGROUP	free diskw[BS] wiping utilities	New Tab - Google Chrome	chrome.exe	5916	Vito Intaglia
1/8/2021 4:44:21 P...	G4L-5-10	WORKGROUP	acme corporation	New Tab - Google Chrome	chrome.exe	5916	Vito Intaglia



Summary and questions

It's what's inside that counts: transforming investigations to detect and prevent insider threats

Summary and questions



See what the user sees

Capture screenshots of key activities



Live preview a computer remotely

Collect targeted data in moments without disrupting the end-user



Capture document activity

File writes, document manipulations and deletions, plus printed activity.



Capture advanced data loss indicators

Identify transmittal of confidential materials into unmonitored channels



Adapt on the fly

Craft bespoke rules for new and unfolding situations to gain investigative insights



Capture what the user is typing

Targeted captures of text for alerting or lookback purposes

It's what's inside that counts: transforming investigations to detect and prevent insider threats

Summary and questions

With this approach and solution, you benefit from:

- **Quickly identify anomalous behaviour** through evidence such as keypresses, files printed and screenshots, that cover user behaviours.
- **Mitigate financial loss, reputational damage and regulatory scrutiny** by being proactively alerted to issues and events as they happen rather than retrospectively.
- **Adapt the solution as your risk profile changes** by tailor alerts for different jurisdictions, business units and functions.
- **Enable digital forensic collections** of key evidence remotely, covertly and before it is inadvertently lost.
- **Reduce time and costs** by having both monitoring and investigation capabilities in one solution – avoiding current potentially cumbersome processes.
- **Corroborate other fraud monitoring controls** through evidence-based actions of the user.



It's what's inside that counts: transforming investigations to detect and prevent insider threats

Questions?

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