

# Solve Cloud Forensics at Scale

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## Multi-cloud investigations are manual and slow, and data disappears fast

1/3rd

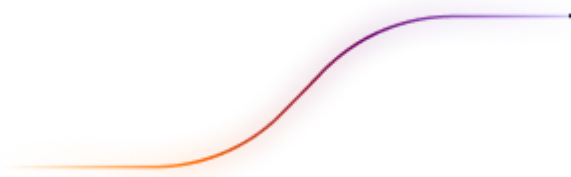
of alerts in cloud environments do not get investigated due to lack of information

89%

of organizations suffer damage before containing and investigating incidents

Darktrace's report: "Organizations require a new approach to handle investigations and response in the cloud"

## Introducing forensics at the speed of cloud



## Cloud-native forensics, designed for scale

Automated data capture across your business

Integrates with any alert source and deploys via API to enable fast, low-overhead response within existing workflows.

Support containers and ephemeral assets

Leverage automation to ensure incident data is captured and preserved before it disappears. Automatically collect key data sources and memory from individual processes for forensic analysis.

Parallel collection and processing

Capture more data in less time, resulting in deep forensic insight delivered in minutes, not days.

inv-0025 : Import Search

Overview Automated Investigation Insights Evidence Events Vulnerabilities

Import into inv-0025 from the Cloud  
Select one of the added Accounts to begin importing from a variety of cloud services.

Choose a Cloud Account  
Supported Cloud Providers

AWS GCP Azure All

Select an Access Method  
Account Security Token

Selected Account: No account selected

+ Account

Account Name	Cloud Provider	Credential Identifier	Last Used	Status
Default Acquisition	Amazon Web Services		10 days ago	Health <span style="color:red">■</span> <span style="color:green">■</span>
Azure - demo	Microsoft Azure		1 month ago	Health <span style="color:green">■</span>
Cado Project	Google Cloud Platform		3 months ago	Health <span style="color:red">■</span>
XDR Dev Account	Amazon Web Services		4 months ago	Health <span style="color:red">■</span> <span style="color:green">■</span>
	Amazon Web Services		-	Health <span style="color:red">■</span> <span style="color:green">■</span>

## Full attack timelines in minutes, not hours

Timelines enriched with context to shows exactly what happened, when, and how

Eliminate tedious manual work

Get root cause analysis for cloud security alerts without combing through logs or artifacts manually.

Accelerate investigations

A visual timeline links files, commands, and lateral movement.

Ensure response decisions are informed by a complete and accurate picture of the threat.

Timestamp	Details	User	Alarms
<b>2020-07-19</b> (11 items)			
20:46:30	Content Modification Time @/root/.bash_history A File Was Created	root	<ul style="list-style-type: none"> <li>WannaMine</li> <li>XMRig Installer</li> <li>Wget In Cron</li> <li>Reference To XMRig</li> <li>Reference To Known Monero Mining Pool</li> <li>Possible Cronjob Downloading From Pastebin</li> <li>Mining Pool Detected</li> </ul>
20:44:52	Action type: DNS_REQUEST Title: Bitcoin-related domain name queried by EC2 instance i-027fb097e7edaccad. Resource type: Instance Resource name/id: i-027fb097e7edaccad Local IP: xmr-asia1.nanopool.org	-	<ul style="list-style-type: none"> <li>Bitcoin-Related Domain Name Queried By EC2 Instance I-027fb097e7edaccad.</li> </ul>
20:44:46	Action type: NETWORK_CONNECTION Title: EC2 instance i-027fb097e7edaccad communicating with a known Bitcoin-related IP Address. Resource type: Instance Resource name/id: i-027fb097e7edaccad Local IP: 172.31.64.171 Remote IP: 139.99.101.198 Direction: OUTBOUND	-	<ul style="list-style-type: none"> <li>TOR IP ADDRESS</li> <li>EC2 Instance I-027fb097e7edaccad Communicating With A Known Bitcoin-Related IP</li> </ul>
20:44:28	@/var/www/html/wp-content/plugins/trace	-	<ul style="list-style-type: none"> <li>XMRig</li> </ul>
20:42:18	Content Modification Time @/var/www/html/wp-content/plugins/uploads/s.sh A File Was Created	-	<ul style="list-style-type: none"> <li>WannaMine</li> <li>Pastebin Download</li> <li>Pastebin B64</li> <li>Reference To XMRig</li> </ul>

## Empowers organizations to respond to threats faster

Better understand risk across complex environments, reduce MTTR, and rapidly deploy with this first-of-its-kind technology

Get immediate insights into malicious activity, saving analysts precious time during event triage. Perform automated triage of acquisitions of endpoint resources to gain deeper context in a shorter period of time.

### Cross-cloud investigations

Investigate incidents identified in any cloud environment in a single solution. Findings are unified in one timeline to allow seamless investigation and response.

### Container & K8 investigations

Perform investigation and response in ephemeral environments, leveraging automation to ensure incident data is captured and preserved before it disappears.

Investigate key SaaS logs, alongside other sources captured across on-premises and cloud assets to gain a better understanding of the scope and impact of malicious activity.

### Cloud detection & response

Marry threat detection with automated collection and investigation - with critical forensic-level context - to expedite response to cloud threats as soon as malicious activity is detected.

Automate the collection, processing, analysis, and preservation of evidence so it's accessible to all teams when needed, every time – before it disappears.



“We resolve hundreds of potential incidents in minutes. By assisting analyst investigations, we've been able to drastically increase efficiency by 250%.”

Global Gaming Company

Head of Security Operations

“We have a cloud team that takes countless manual steps to capture and process forensic data...I can't wait to tell them I can do this in just a few clicks!”

Fortune 500 US Company

DFIR Team Lead

“The fact that I no longer have to wait 24 hours to start a forensics investigation is game changing.”

Top Cybersecurity Consulting Firm

DFIR Manager

## **Read the solution brief**

250%

Discover how Darktrace / Forensic Acquisition & Investigation enables faster and deeper investigations in the cloud



Source: <https://www.cadosecurity.com/analysis-of-novel-khonsari-ransomware-deployed-by-the-log4shell-vulnerability/>