

CyCognito + JupiterOne

Identify & Secure Cloud Assets

CyCognito and JupiterOne help Security and IT Operations teams identify, protect, and manage their cyber asset attack surface.

The Challenge

The cyber attack surface has grown at an unprecedented rate in the last several years due to the explosion of cloud usage, remote access, and unmanaged devices accessing corporate and corporate-adjacent networks. It is crucial for Security and Operations teams to keep pace and fully understand the depth and breadth of their entire attack surface, including the number and type of connected assets, business owners, and vulnerabilities that may impact those assets. Business continuity is always top of mind. Today, siloed technologies that only provide a perspective of limited aspects of the attack surface don't meet corporate requirements for risk and vulnerability management.

The Solution

The [JupiterOne Cyber Asset Attack Surface Management \(CAASM\) platform](#) allows organizations to gain a comprehensive asset inventory including all cloud assets in multi-cloud environments. The CyCognito pre-built integration within the JupiterOne platform enables IT, Operations, and Security teams to gain comprehensive visibility of the external and internal attack surface (including unintended asset exposure), establish a chain of evidence (to assist with triage and post-incident audit), and remediate vulnerabilities across any asset.

How It Works

- **Connect the CyCognito Adapter** – Once the CyCognito credentials are supplied, the JupiterOne integration fetches asset and vulnerability data from CyCognito and populates JupiterOne.
- **Identify Security Control Gaps** – The JupiterOne Rules and Alerting engine will surface new assets, vulnerable software, open ports, missing patches, and more.
- **Automated Alerting** – JupiterOne enables automated alerts that work with your existing workflows (Jira, ServiceNow, Slack, email) and empowers teams to take action and resolve security issues.

Key Benefits

- **Continuous & Complete Discovery** – CyCognito continuously discovers your entire external attack surface. Together, we provide continuous, comprehensive cyber asset discovery.
- **Prioritized Vulnerability Guidance for Internal and External Assets** – Prioritize remediation guidance for internal assets based on criticality, business impact, and vulnerability severity is available via JupiterOne Rules and Alerting engine, while CyCognito’s discovery and active security testing empower organizations to prioritize vulnerability remediation for external-facing assets.
- **Remediate Risks More Quickly** – Operationalize remediation tasks across your entire enterprise using the combined holistic view of security to close the window of vulnerability more rapidly and reduce the risk of a breach.
- **Eliminate Manual Processes** – Automate asset discovery, remediation prioritization, and security policy enforcement.

The image displays four screenshots from the JupiterOne interface, illustrating various security and asset management capabilities:

- Top-Left Screenshot:** Shows a search for "cycognito" in the JupiterOne console. The search results table lists several assets:

Asset Type	Asset ID	Value
IpAddress	cycognito_asset_ip	103.1.150.172
IpAddress	cycognito_asset_ip	142.0.173.162
Certificate	cycognito_asset_certificate	cert/825782d38204196d39f3a5e4f324b5fc9bb212039f10864fb675b097f5c...
Domain	cycognito_asset_domain	cchs.acme.in
IpAddress	cycognito_asset_ip	199.82.6.100
- Top-Right Screenshot:** Shows a detailed view of the domain "cchs.acme.in". The properties section includes:

Property	Value
displayName	cchs.acme.in
domainName	cchs.acme.in
firstSeen	143987421550
- Bottom-Left Screenshot:** Shows a search for "cycognito-account" with a graph view. The graph displays relationships between a "CyCognito Account" and several assets:
 - cycognito_asset_certificate X 14
 - cycognito_issue X 7
 - cycognito_asset_ip X 207
 - cycognito_asset_web_app X 22
- Bottom-Right Screenshot:** Shows a detailed view of a certificate. The properties section includes:

Property	Value
displayName	cert/6d3e95cd71ebee77b55493b8e2926f16b27cae22d3fe3804211853cce3328fe8
domainNames	cchs.acme.in
firstSeen	1648699437616
hostingType	owned
id	cert/6d3e95cd71ebee77b55493b8e2926f16b27cae22d3fe3804211853cce3328fe8
investigationStatus	uninvestigated
issuer.commonName	

About CyCognito

CyCognito is solving one of the most fundamental business problems in cybersecurity: the need to understand how attackers view your organization, where they are most likely to break in, and how you can eliminate that risk. It does this with a category-defining, transformative platform that automates offensive cybersecurity operations to provide reconnaissance capabilities superior to those of attackers.

About JupiterOne

JupiterOne is a [cyber asset attack surface management platform](#) that helps enterprises easily identify, map, analyze, and secure your cyber assets and attack surface with JupiterOne. Gain full visibility into your complex cloud environments to uncover threats, close compliance gaps, and prioritize risk. Build the foundation for your entire security program with JupiterOne.

To learn how the CyCognito platform uniquely helps you identify and prioritize the paths of least resistance into your IT ecosystem, so that you can eliminate them, visit cycognito.com.

