



Payatu Casestudy

ARenowned: Fintech Company Cets SOC Expertise Onboard



Project Overview

Fintech cyberattacks are not just an impact on money, but also a massive blow to the thin trust of customers and breach of compliance standards.

This well-recognized Australian fintech understood the criticality of being in the fintech arena and its responsibility toward its customers' data. The company came to Payatu with a clear mindset of monitoring, protecting, detecting, investigating, and responding to cyber threats, if any, around the clock.

Leveraging the expertise of its SOC professionals, Payatu armored up to monitor and protect the client's assets that consisted of personnel data, customer data, business systems, intellectual property, and brand integrity.

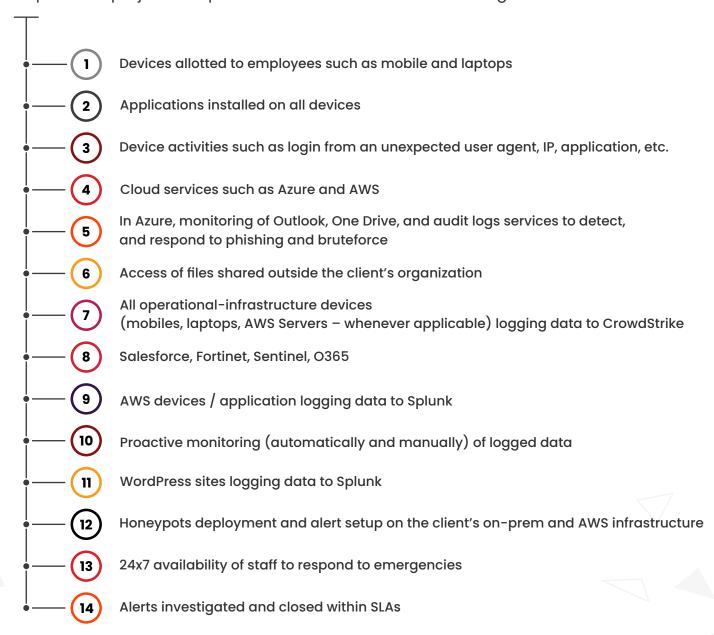
For the Payatu SOC team, it was important to get a complete overview of the client's threat landscape including various endpoints, software, and servers along with third-party services and traffic flowing between all the devices.

The team designed a detailed plan and carried it out meticulously.



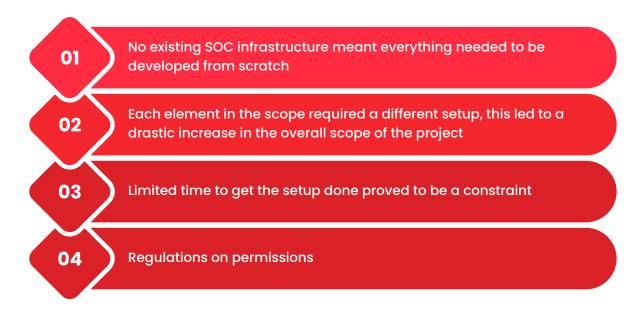
The Scope

The scope of the project comprised of round-the-clock monitoring of -





CHALLENGES





Actions Implemented

Services and Infrastructure Monitored

AZURE SENTINEL

Microsoft Sentinel delivers intelligent security analytics and threat intelligence across the enterprise, providing a single solution for attack detection, threat visibility, proactive hunting, and threat response.





AWS CLOUDTRAIL

AWS CloudTrail is an AWS service that helps you enable governance, compliance, and operational and risk auditing of your AWS account.

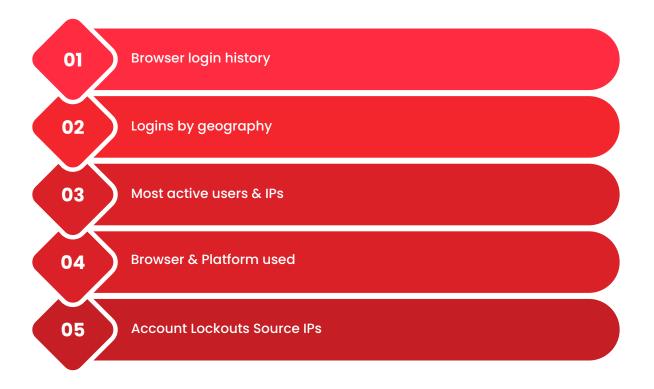
Actions taken by a user, role, or an AWS service are recorded as events in CloudTrail.





SALESFORCE

Salesforce is a popular CRM tool for support, sales, and marketing teams worldwide. Salesforce services allow businesses to use cloud technology to better connect with partners, customers, and potential customers.

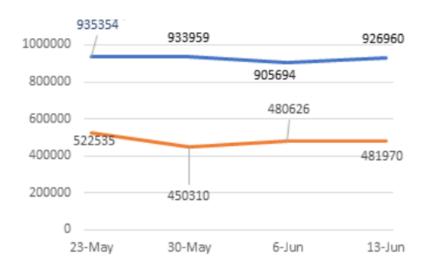




AVERAGE WEEKLY SALESFORCE MONITORING STATISTICS

- Salesforce Prod logs entries monitored 926,960
- Salesforce Sandbox logs entries monitored 481,970

SF Log Ingestion Trend



#Logs ingested - Prod #Logs ingested - Sandbox



MICROSOFT OFFICE 365

Microsoft Office 365 is a modern collaboration platform that provides a full-featured email system with web access, integrated calendaring, a campus contacts directory, support for mobile device access, email storage, and document storage.



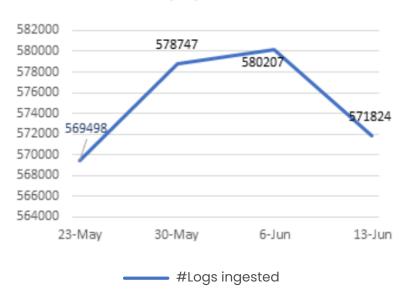


AVERAGE WEEKLY 0365 MONITORING STATISTICS

O365 logs monitored - **571,824**

- Logins from AUS 23,069
- Logins outside AUS 3,766

0365 Log Ingestion Trend



ALERT DETAILS

- Alerts triggered 19
- Alerts investigated -19

0365 Sentinel Alerts Trend



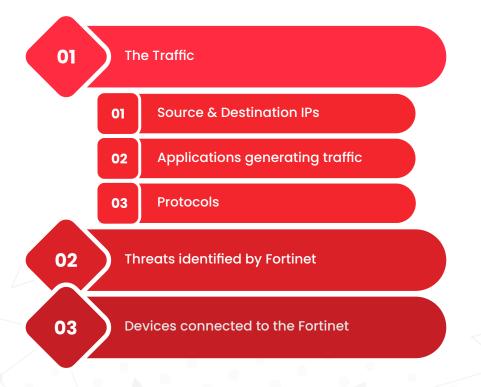
#Alerts #Incidents



FORTINET

FortiGate NGFWs deliver industry-leading enterprise security for any edge at any scale with full visibility and threat protection. Organizations can weave security deep into the hybrid IT architecture and build security-driven networks to achieve:



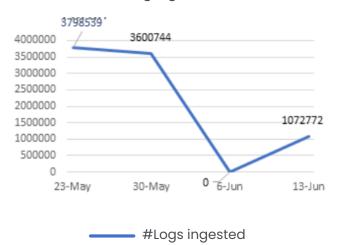




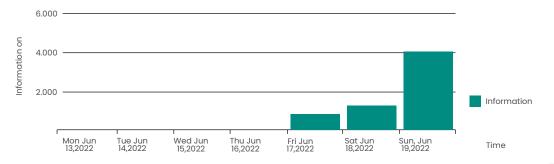
AVERAGE WEEKLY FORTINET MONITORING STATISTICS

1,072,772 Fortinet - logs monitored

Fortinet Log Ingestion Trend



Fortinet Threat By Severity



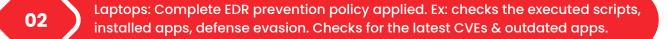


CROWDSTRIKE

CrowdStrike is a global cybersecurity leader with an advanced cloud-native platform for protecting endpoints, cloud workloads, identities, and data.

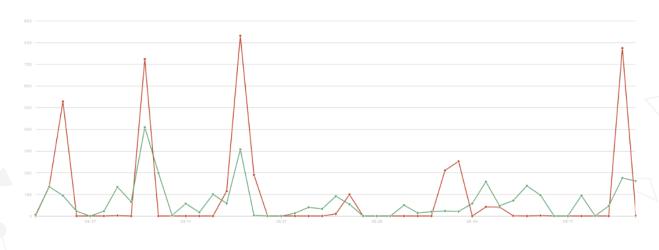
WHAT IS MONITORED?







Open and closed vulnerabilities by day (last 45 days)



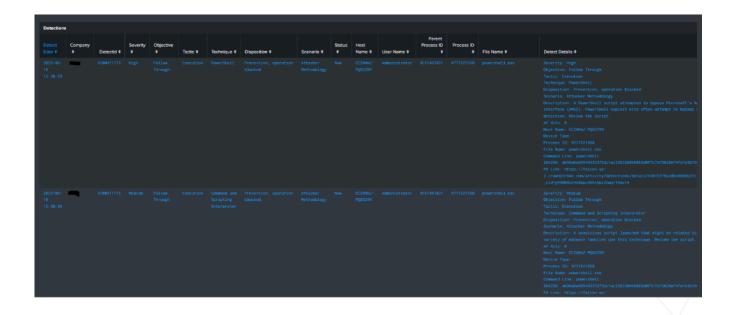
Close

Open



Most prevalent vulnerabilities

Severity	CVE ID	Vulnerabilities	First seen on your hosts
• High	CVE-2013-3900	32	234 days ago
• High	CVE-2022-37962	22	2 days ago
• High	CVE-2022-37963	22	2 days ago
• High	CVE-2022-38010	22	2 days ago
• High	CVE-2022-30170	11	2 days ago



Prevention Policies							
WINDOWS POLICIES	MAC POLICIES	LINUX POLICIES					
4 policies						+ Create new policy	Edit precedence
PRECEDENCE FROM YOUR MSSP	POLICY STATUS Enabled	POLICY NAME Detect Only	CREATED Sep. 24, 2021	Sep. 24, 2021	APPLIED 32	PENDING 0	E
PRECEDENCE FROM YOUR MSSP 2	POLICY STATUS Enabled	POLICY NAME Lab	GREATED Jun. 7, 2022	Jun. 8, 2022	APPLIED O	PENDING O	E
DEFAULT POLICY FROM YOUR MSSP	POLICY STATUS Enabled	POLICY NAME Default (Windows)	CREATED Sep. 24, 2021	LAST MODIFIED Sep. 24, 2021	APPLIED O	PENDING O	Ē.
DEFAULT POLICY	POLICY STATUS Enabled	POLICY NAME Default (Windows)	CREATED Sep. 13, 2021	Sep. 13, 2021	APPLIED O	PENDING O	E

Mobil	e poli	icies ((1)
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Precedence	Status	Name	Created	Last modified	Applied	Pending
1	Enabled	Base Policy	Sep. 17, 2021 16:19:36	Sep. 29, 2021 10:23:59	0	0



TICKETING SYSTEM

Jira is a Project Management Software for Bug Tracking and Agile Project Management. Since it supports languages like English, French, German, Japanese, and Spanish, Jira is a multilingual tool.

EXECUTION OF ALL SLAS

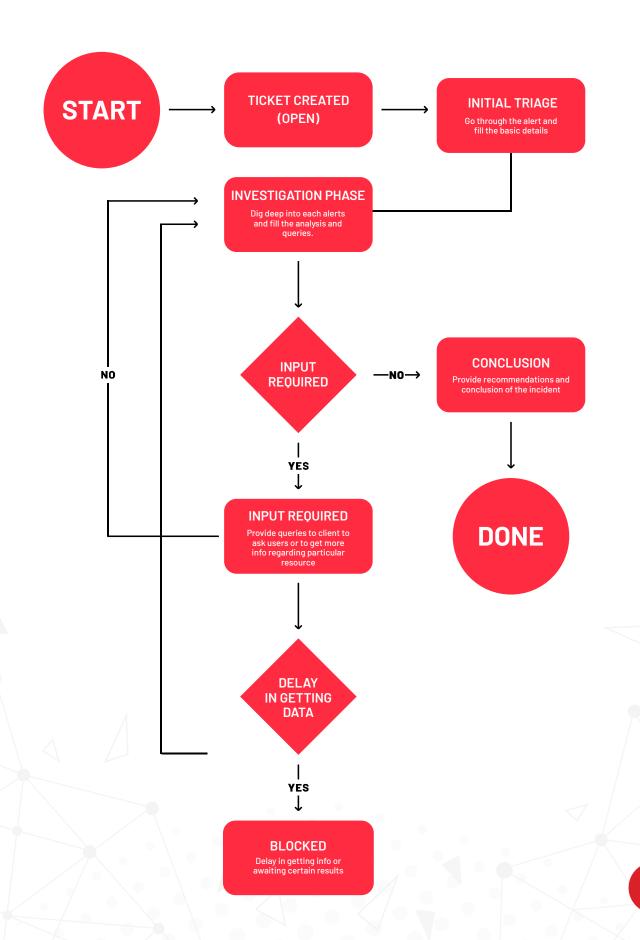
SOC SLA's

Severity	Triggering Frequency
Highest	Every day (Log ingestion stoppage alerts only)
High	Every hour
Medium	Every 3 hours
Low	Every 24 hours
Lowest	Every 24 hours

Severity	Initial Triage	Investigation (After initial triage)
Highest	3 hours	3 hours
High	6 hours	6 hours
Medium	12 hours	24 hours
Low	48 hours	48 hours
Lowest	72 Hours	48 hours



WORKFLOW EXECUTION AS PER AGREEMENT





The SOC Team Goes an Extra Mile

The Bandits in the SOC team provide regular recommendations based on the threat's trends -

- They shared a detailed report about the latest CVE exploiting in the wild and how to secure from it and a result of analysis in client environment. [E.g., sharing of the Follina report by the Payatu team]
- They shared the defense techniques so that client will be safe from threat actors. [E.g., how to keep users safe from malware delivered by ISO, known USB devices block, blocking the Powershell scripts/ restricting access to cmd & Powershell, etc.]



About Payatu

Payatu is a Research-powered cybersecurity services and training company specialized in IoT, Embedded Web, Mobile, Cloud, & Infrastructure security assessments with a proven track record of securing software, hardware and infrastructure for customers across 20+ countries.

Internet attackers are everywhere. Sometimes they are evident. Many times, they are undetectable. Their motive is to attack web applications every day, stealing personal information and user data. With Payatu, you can spot complex vulnerabilities that are easy to miss and guard your website and user's data against cyberattacks.

Product Security &

Save time while still delivering a secure end-product with Payatu. Make sure that each component maintains a uniform level of security so that all the components "fit" together in your mega-product.



Mobile Security Testing &

Detect complex vulnerabilities & security loopholes. Guard your mobile application and user's data against cyberattacks, by having Payatu test the security of your mobile application.



Cloud Security Assessment &

As long as cloud servers live on, the need to protect them will not diminish. Both cloud providers and users have a shared responsibility to secure the information stored in their cloud. Payatu's expertise in cloud protection helps you with the same. Its layered security review enables you to mitigate this by building scalable and secure applications & identifying potential vulnerabilities in your cloud environment.





Code Review &

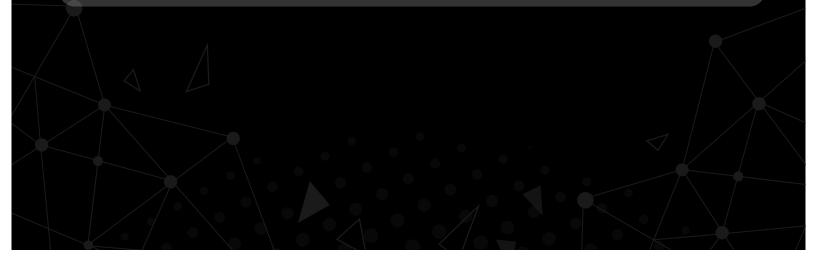
Payatu's Secure Code Review includes inspecting, scanning and evaluating source code for defects and weaknesses. It includes the best secure coding practices that apply security consideration and defend the software from attacks.

Red Team Assessment &

Red Team Assessment is a goal-directed, multidimensional & malicious threat emulation. Payatu uses offensive tactics, techniques, and procedures to access an organization's crown jewels and test its readiness to detect and withstand a targeted attack.

More Services Offered by Payatu

- IoT Security Testing ₽
- AI/ML Security Audit ℯ
- DevSecOps Consulting ℯ
- Critical Infrastructure ₽
- Trainings ₽





Payatu Security Consulting Pvt. Ltd.

<u>www.payatu.com</u>

info@payatu.com

+91 20 41207726







