SALT

Jemena

CASE STUDY

Jemena is a prominent energy infrastructure company in Australia, specializing in electricity distribution in Melbourne and gas distribution throughout New South Wales. With billions of dollars' worth of gas pipeline assets, Jemena operates in a rapidly evolving industry that demands robust security measures. As part of the company's efforts to continue its leadership role in the broader energy market, Jemena aims to augment its operations with a focus on net-zero initiatives by 2050.

With application innovation playing an increasing role in transforming the utility and delighting its customers, Jemena recognized the growing importance of APIs and with that, the need to protect these vital resources. According to Daniel Gordon, cyber security architecture lead at Jemena, "Not only our teams but our partners and our regulators as well, we're all evolving our systems this way. Moving to the cloud, developing cloud-native applications – it's all driving significant API adoption, and we realize the threats are evolving too, and current protections like WAFs can't protect against these attacks."

Along with threat protection, Gordon wanted the ability to proactively discover shadow APIs, tie into the company's API management platform from Kong, and send security incidents to its Splunk environment.

CrowdStrike, which has invested in and partnered with Salt and is a trusted partner to Jemena, recommended Gordon take a look at Salt. Gordon appreciated that Salt took a similar approach to CrowdStrike, deeply understanding behavior over time to increase security effectiveness. The Salt platform's adaptive intelligence provided the robust API discovery and attack prevention that Gordon was looking for in a dedicated API security solution and easy integration with its other platforms in the API ecosystem. The availability of Salt on the AWS Marketplace simplified the procurement process, offering a single SKU that met all of the Jemena requirements.

Jemena's initial focus with Salt centered around discovery, understanding the APIs in use and gaining insights into the data being transmitted. Salt provided Jemena with in-depth insights into API payloads, enabling

Jemena
bringing energy to life

Jemena is a leading energy infrastructure company in Australia that operates, manages, and maintains a diverse range of assets across the energy supply chain. The company owns and operates electricity and gas assets across eastern and northern Australia, worth in excess of $12.4 billion.

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Founded 2008

Infrastructure AWS

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them to identify unexpected data patterns and potential vulnerabilities. Gordon's team really values that Salt is able to generate comprehensive API specifications based on monitoring the APIs in runtime, letting them focus on building functionality while still ensuring APIs comply with security requirements. "That was an unexpected win for us," he noted. "Using Salt in this way means we can let developers do their thing – focus on building functionality – and we can then hand them the spec of what they built. It's really efficient."

Gordon and his team have a well-defined API strategy, expecting a nearly 400% increase in API traffic over the next year. Salt will be on that journey the whole way, says Gordon. "It's a really good product. We can see a direct impact – any application area where we bring in Salt, risk goes down."

Top use cases for Jemena:

- **API discovery:** Salt provides Jemena with complete visibility into the company's API landscape, allowing the team to discover APIs, endpoints, and associated risks throughout the application environments.
- **threat detection:** The Salt advanced machine learning algorithms and behavioral analysis techniques help Jemena identify and mitigate potential threats in real time. The solution automatically detects anomalies, suspicious activities, and malicious behavior within API traffic.
- **vulnerability management:** The Salt platform helps 'Jemena identify and prioritize API vulnerabilities, providing actionable insights and recommendations to remediate vulnerabilities and harden APIs.

> The industry is moving to APIs, and Salt Security is totally focused on API security. Salt ties into systems we already use, so we don't have to change our processes. And it's so easy – when we did our proof of concept, it just started working. Salt is a really good product."
>
> – Daniel Gordon, cyber security architecture lead

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