CASE STUDY API governance | AZURE API MANAGEMENT | DEVELOPER PORTAL

Azure API Management for 100+ APIs with 40% faster partner onboarding.

A large utility provider ran customer and internal systems on hundreds of APIs, built separately by different teams. We brought **more than 100 APIs** under one governed platform with a **self-service portal**.

CLIENT: A UTILITY PROVIDER DELIVERING POWER AND ENERGY SERVICES ACROSS MULTIPLE REGIONS

APIS
100+
APIs under central control, with clear ownership

ONBOARDING
40%
Less onboarding time for partners and developers

PORTAL
1
Single self-service developer portal for partners and teams

CLIENT BACKGROUND

The client is a **utility provider delivering power and energy services** across multiple regions.

Customer portals, internal applications and partner systems exchange data through hundreds of APIs. These systems support daily service delivery, billing, monitoring and customer interactions. As digital services grew, managing security and access became difficult.

BEFORE
Separately published APIs
Mixed authentication and no central view

→

AFTER
One governed API platform
Azure API Management with a developer portal

THE CHALLENGE

Uncontrolled API expansion
Teams published APIs on their own, with no shared standards or monitoring.

Security and compliance gaps
Mixed authentication, weak access controls and undocumented endpoints raised audit risk.

Limited visibility and governance
No single view of API usage, performance, versions or ownership.

Slow partner and developer onboarding
No central portal or clear documentation, so integrations took longer.

WHAT WE DELIVERED

01 — Azure API Management implementation — API MANAGEMENT
We centralized all API endpoints under Azure API Management, with standard access, tracking and throttling rules.

02 — Security and policy enforcement — OAUTH2
OAuth2 authentication, IP whitelisting and logging policies now apply the same way in every environment.

03 — Developer portal launch — DEVELOPER PORTAL
A branded portal gives developers self-service documentation, test consoles and onboarding workflows.

04 — Monitoring and analytics — AZURE MONITOR
Azure Monitor gives teams a live view of API usage and performance.

05 — Automated delivery — AZURE DEVOPS
Azure DevOps pipelines automate API updates and configuration changes.

RESULTS

100+ — Stronger API control
Central control over more than 100 APIs, with clear ownership.

40% — Faster onboarding
Partner and developer onboarding time cut by 40% through one portal.

Security and audit readiness
Consistent security policies and access controls make APIs easier to audit.

Quicker integration delivery
Teams launch new integrations faster without breaking existing systems.

Built to scale. The client can grow its digital services with confidence and long-term operational efficiency.

TECHNOLOGIES USED

Azure API Management · Developer Portal · OAuth2 · Azure Monitor · Azure DevOps

FINAL PERSPECTIVE

Krish Services Group implemented **Azure API Management** to centralize APIs, strengthen security and simplify integrations. The client can now scale its digital services confidently, with long-term operational efficiency.

Too many APIs and no single view?

Talk to a Krish Azure engineer.

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Read this case study online: krishservicesgroup.com/case-study/improving-api-governance-and-developer-experience-using-azure-platform/