

CASE STUDY

Cybersecurity services company developed new SaaS platform 40% faster and at 30% less cost than budgeted



Client

Our client provides cybersecurity services (SaaS) to enterprises for strengthening their businesses from attack vectors.

Client Need

- The client needed a platform that could expedite the core platform feature development of their data-driven cybersecurity solution - Authentication and authorization, User management, Tenant management, and Policies and alerts
- One of the main objectives of this solution is to analyze complex cybersecurity threats with modern practices, provide complete operational visibility and data-driven strategies to trigger early alerts to the IT team

How we helped

Leveraging iSymphony™'s starter templates and accelerators across security, rules engine, notification etc, Innominds' developed the core platform modules at breakneck speed with reduced cost.

Since the solution is offered as a SaaS model supporting multi-tenancy providing separate resource tier for each tenant, we facilitated **Tenant Management** that includes

- ▶ Tenant onboarding/registration
- ▶ Automated tenant provisioning which includes database provisioning and schema population, tenant-specific logging
- ▶ Automated de-provisioning of resources when a tenant gets deleted
- ▶ Tenant dashboard


```
...mod = modifier_ob.modifiers.new("...")
...object to mirror...
...mod.mirror...
...use_z = False
...action = "MIRROR_Y";
...mod.use_x = False
...mod.use_y = True
...mod.use_z = False
...action = "MIRROR_Z";
...mod.use_x = False
...mod.use_y = False
...mod.use_z = True
```

Once a tenant has been provisioned, the next step is for the tenant administrator to onboard users and assign the respective roles. We implemented **User Management** enabling admin to

- ▶ Add privileges (CRUD operations/take actions on the alerts/download and configuration of artifacts etc.) as seed data in database directly
- ▶ List / Add / Edit / View roles (Admin, DevOps, Compliance) and mapping to privileges
- ▶ List / Add / Edit / View users and assigning roles to users

```
...scene.objects.active = modifier_ob.selected" + str(modifier_ob)
...ob.select = 0
...context.selected_objects[0]
...objects[one.name].select = 0
...please select exactly two objects.
```

Using our security accelerator, we rapidly implemented below **Authentication and Authorization** features

- ▶ Support for Role and Permission Based Access Control to resources
- ▶ Login authentication through database/LDAP/SSO
- ▶ Login with email/password and forgot password

```
...OPERATOR CLASSES
```

Alerts are raised whenever the AI/ML engine applies the alert policy rules on the incoming trace/log data and the conditions/triggers on the policy definition are met. With **Policy and Alerts** modules we provided the cybersecurity solution the ability to

- ▶ Send automated emails and push notifications based on the type of alert
- ▶ Create data flows and data flow groups based on heuristics
- ▶ Create alert policies which are the basis for alert generation based on heuristics such as triggers, monitors, resolution actions and data flow groups

Results



High quality code that can be extended, enhanced and customized as required



Multi-tenancy support, scalability, and cost-effective platform maintenance



40% faster feature development with 30% lower cost

About Innominds

Innominds is an AI-first, platform-led digital transformation and full cycle product engineering services company headquartered in San Jose, CA. Innominds powers the Digital Next initiatives of global enterprises, software product companies, OEMs and ODMs with integrated expertise in devices and embedded engineering, software apps and product engineering, analytics and data engineering, quality engineering, and cloud and devops, security. It works with ISVs to build next-generation products, SaaSify, transform total experience, and add cognitive analytics to applications.