SORINT.lab

CASE STUDY

DB OPERATIONS NOW ON AUTOPILOT!

A leading client operating within the banking and finance industry across Europe is look to develop Ansible playbooks that automate DBA operations, reducing manual efforts across MySQL, PostgreSQL, and Oracle SQL databases.
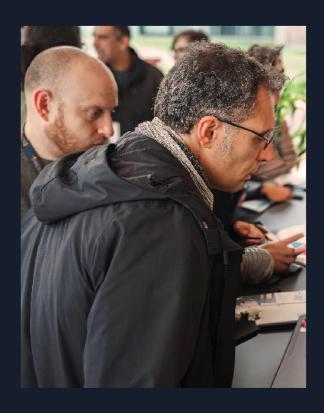SORINT.lab was approached by the client's offices in UK and France.

Ansible	Jira API	CMDB	Shell Scripting

CLIENT'S CHALLENGES

DBA team faces operational inefficiencies due to manual efforts required for:

- Daily monitoring of restore statuses

- Managing database administration tasks across multiple platforms (MySQL, PostgreSQL, Oracle SQL

- Handling frequent DBA queries and performing repetitive tasks manually
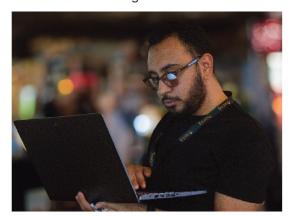
SCOPE OF WORK

Business Category
System Solution Database
Technology
Red Hat Ansible Automation Platform 2.4

- Automate daily restore status checks
- Retrieve and process DBA queries
- Schedule recurring tasks to streamline database management

TECHNICAL SOLUTION

Automated Playbooks and Roles
Developed Ansible playbooks and roles to eliminate manual intervention. Implemented a DBA engine check logic for proactive monitoring. Automated alert monitoring and integrated with Jira and CMDB via API for real-time updates. Scheduled daily restore status checks with automated email notifications. Integrated logic to fetch API-based monitoring alerts and included them in daily reports, allowing manual intervention when required.

BUSINESS OUTCOME

Increased Efficiency & Reduced Manual Effort
Automation significantly reduces repetitive tasks, enabling DBAs to focus on strategic initiatives.