infopulse

Case for **a Leader in Smart Cards Production**

Custom Cloud/DevOps Solution Saved Client €80 Million on IT Infrastructure_

Introducing DevOps, Infopulse Automated Software Delivery in Containerized Workloads

Industry: Software & Hi-Tech   **Location:** France   **Employees:** 10 000+

Client Background

The client of Infopulse is one of the world's leading Secure Technology and Smart Card production enterprises. The company provides solutions to a vast portfolio of international clients, including banks and financial institutions, manufacturers, mobile operators, governmental organizations, and much more.

Business Challenge

Our client focuses mainly on technology solutions for financial and personalization services. Therefore, a secure cloud solution was a part of new business transformation strategy geared towards IT infrastructure scaling, flexibility and significant costs reduction on applications development, their support and maintenance. Only the fact that the customer had to spend **€100 million a year** for their legacy VMware infrastructure confirms the urgency of changes needed to modernize the whole IT ecosystem. Moreover, the customer wanted to improve IT systems stability and load balancing with a failover for their production services in different geo locations.

Solution

- To cut high costs, as well as reduce time to market of the customer's main services, Infopulse was addressed to build a custom cloud solution. Relying on **immense expertise in Kubernetes, Docker containers and DevOps practices**, our experts managed to develop a solution similar to Google Cloud.

- We set up **a Docker cluster based on 16 hardware nodes with auto backups, load balancing, and automatic failover** in two geo-distributed locations.

- To automate software delivery lifecycle in containerized workloads powered by Docker, we **introduced CI/CD practices** also utilizing TeamCity and Jenkins tool with auto-deploy mechanism.

- We have **built a development lifecycle using DevOps** to provide regular software delivery. Thus, utilizing Continuous Integration approach, developers were able to release a high-quality build version together with already conducted automated tests, then packed both of them into separate Docker containers and, directly moved to System Integration Testing (SIT) environment for testing the dependencies between modules. The same containers migrated to User Acceptance Testing (UAT) environment, where Continuous Delivery practices were used together with automated testing whereas manual testing took place in the production phase based on the Continuous Deployment approach.
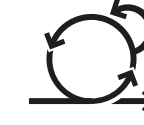
Technologies

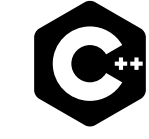|			
Kubernetes	Jenkins	Team City	Ubuntu
Docker	SoapUI and Java Auto testing	Scrum	RUP
Jboss	J2EE Oracle PL/SQL	Eclipse	Jira
SVN	Camel	Shared MariaDB	MySQL
Oracle DBs	C++		

Business Value

- Infopulse delivered **a custom-built cloud solution** automating software delivery and providing a range of opportunities for business scaling.

- Implementation of Kubernetes E2E platform with Dockers within CI/CD pipeline helped us enable **shared resources, load balancing, failover, auto backups, monitoring support, geo redundancy, and high availability.**

- The customer reduced development and support costs for their IT infrastructure **from €100 to €20 million per year.**

- Later, **over 20 largest** world banks, telecom companies and automotive manufacturers adopted the solution.

About Infopulse

Infopulse, part of the leading Nordic digital services company Tietoevry, is an international vendor of services in the areas of Software R&D, Application Management, Cloud & IT Operations, and Cybersecurity to SMEs and Fortune 100 companies across the globe. Founded in 1991, the company has a team of over 2,300 professionals and is represented in 7 countries across Europe and the Americas.

Infopulse is trusted by many established brands, such as BICS, Bosch, British American Tobacco, Credit Agricole, Delta Wilmar, ING Bank, Microsoft, Offshore Norge, OLX Group, OTP Bank, SAP, UkrSibbank BNP Paribas Group, Vodafone, Zeppelin Group, and others.

For more information, please visit **www.infopulse.com**

Contact us

PL   +48 (221) 032-442

DE   +49 (69) 505-060-4719

US   +1 (888) 339-75-56

UK   +44 (8455) 280-080

UA   +38 (044) 585-25-00

BG   +359 (876) 92-30-90

BR   +55 (21) 99298-3389

info@infopulse.com

infopulse