dNation HYBRID CLOUD

Company Overview

cloud@dNation.cloud | www.dNation.cloud

dNation MAKING CLOUD EASY

About dNation

d = Development | DevOps

We are software developers and DevOps/Cloud engineers at the same time.

Back to the roots!

2003	**100+**
Established	Projects successfully completed

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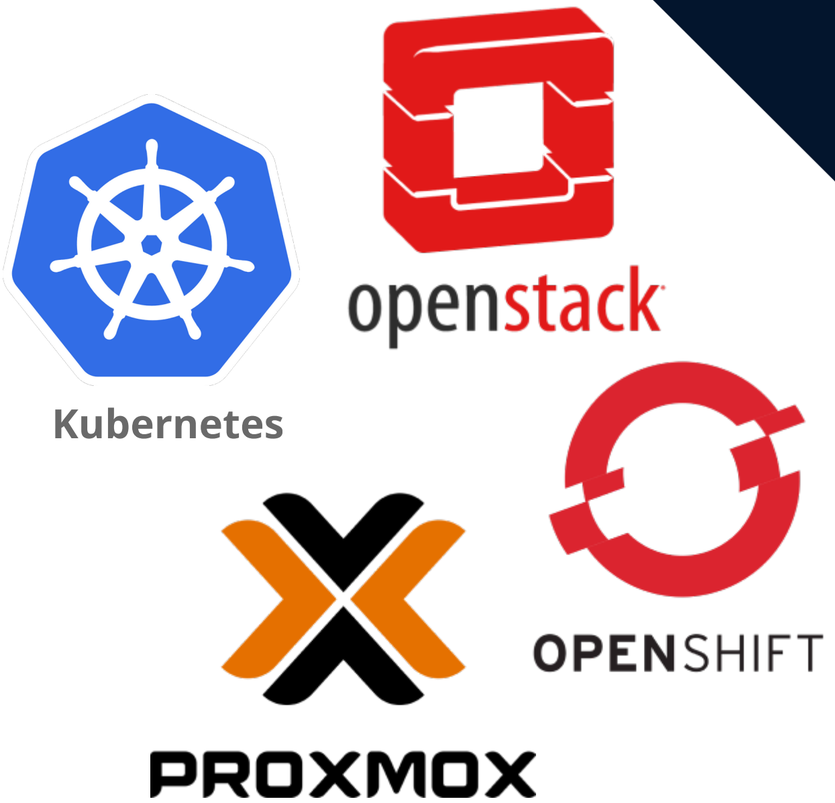
WE CAN HELP YOU WITH ANY CLOUD RELATED PROJECT



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dNation Hybrid Cloud

Use public and private cloud at the same time, taking best from both worlds

✅ Sovereign: Open source, no vendor lock-in, no dependency on Hyper-scalers

✅ Secure: Your data is yours, you decide where it is stored, who has access and how is it used

✅ Cost-effective: Use multiple clouds at the same time and save up to 30% on your cloud bill

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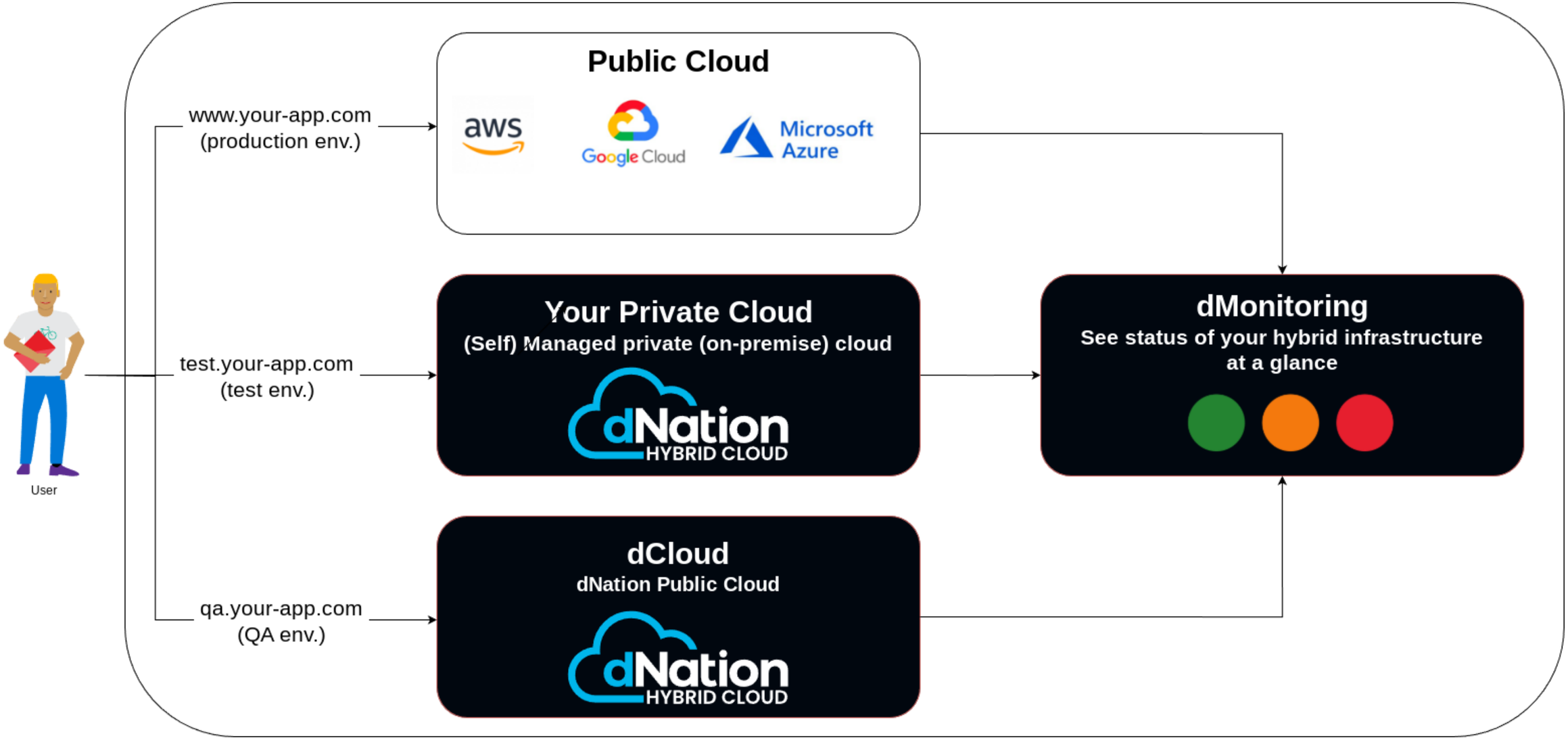
dNation Hybrid Cloud Architecture



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True Sovereignty

✅ No secret sauce: Everything is open source, including used GitOps scripts

✅ No lock-in: We will train 3 of your employees, so you can take over operations if you decide to do so

✅ True Scalability: OpenStack achieved significant scale, with over 25,000,000 cores running in production

✅ Vibrant Open Source community: 105,000 members in 187 countries from over 700 organizations, backed by over 100 member companies

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Our Clients

Our customers span across 3 continents and 10 countries

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Banking Industry

Cognizant Nordea Standard Chartered RPC SAP

Telco Sector

T-Mobile AT&T Yorizon

Software Producers

aimit

Ticket Sale

AMADEUS Maxi Ticket

Health Sector

Boehringer Ingelheim ThermoFisher SCIENTIFIC

Our Projects

T-Mobile

Problem: T-Mobile acquired tele.ring and later two other mobile operators, facing the challenge of smoothly transitioning tele.ring customers while ensuring they could continue using familiar features.

Solution: To achieve this, we integrated key tele.ring functionalities into T-Mobile's systems, allowing customers to retain their user experience. We also migrated tele.ring customers to T-Mobile's software systems, ensuring a seamless transfer without service disruptions. As part of a long-term strategy, we continued improving and supporting the migration of additional acquired operators while maintaining and developing the software for long-term efficiency. This transition brought significant benefits—tele.ring customers gained access to a wider range of phone plans and improved network coverage, all while experiencing a smooth migration process. Additionally, we provided continuous support over the next 15 years, ensuring long-term stability and system enhancements.

Our Projects

Problem: SAP's Liquidity Management System (LMS) is designed to provide banks with real-time or near-real-time visibility into their liquid cash—a crucial requirement, especially after the 2008 financial crisis. New regulations mandated that banks must always know their asset levels to assess financial stability accurately.

Solution: Leveraging our expertise, including a developer with direct experience in liquidity management systems, we were well-positioned to support SAP in implementing and configuring LMS. We successfully delivered installation and configuration services for SAP, working alongside Standard Chartered Bank to ensure compliance, accuracy, and reliability in liquidity management.

Our Projects

ThermoFisher SCIENTIFIC

Problem: Thermo Fisher Scientific faced the challenge of deploying software in a hybrid cloud environment. While they developed solutions on hyperscalers, their production environment had to run on air-gapped, on-premises computers with no internet connection. This created a critical issue: how to safely and efficiently update both the software and the underlying system.

Solution: Together, we designed a secure solution to deliver updates, including new software versions, Kubernetes upgrades, and operating system patches. The result was a reliable method for safely distributing updates via USB sticks, ensuring seamless and secure deployment in air-gapped environments.

Our Projects

CGI

Problem: CGI's customer operates in real-time electricity trading, where speed is critical. Currently working with a 15-minute time frame, they are transitioning to price updates within seconds, requiring a highly responsive and efficient system.

Solution: The goal is simple: buy electricity when prices are favorable and sell when they are not. We partnered with CGI to enhance their backend infrastructure, leveraging our expertise in building large-scale systems. With deep knowledge of Linux, C++, Java, Python, and Golang—key technologies driving modern cloud solutions—we contributed to optimizing their trading platform, ensuring fast and reliable performance in this high-stakes environment.

Our Projects

OSB Open Source Business ALLIANCE
Bundesverband für digitale Souveränität e.V.

Problem: The OSBA (Open Source Business Alliance) and their customer, BMWK (Bundesministerium für Wirtschaft und Klimaschutz), needed a secure alternative to hyper-scaler cloud providers due to the sensitive nature of their government-related data. dNation won several tenders where together with our partners we implemented solution.

Solution: We developed a tailored solution that met their needs while maintaining full data control. Result of our work has been used in production by government and universities of Saxony, university of Munich and Schwarz Group (Kaufland, Lidl). As an open-source solution, it remains accessible for other organizations, including commercial entities, to adopt and benefit from.

Our Projects

Raiffeisen Processing Centre

Problem: RPC faced significant challenges due to a mix of legacy applications inherited from multiple acquired operators. Many of these systems were over 20 years old, leading to issues with scalability and reliability. Replacing them entirely was not an option, as POS terminals across multiple countries needed to remain compatible.

Solution: We designed a new generation of these systems that preserved their original behavior while introducing modern functionality. We ensured seamless operation without a single point of failure, enabling the system to scale efficiently during high-demand periods, such as Christmas. To achieve this, we leveraged technologies that allowed the old code to run in a containerized environment, ensuring scalability, reliability, and failover protection. The implementation of a Hot Standby solution provided continuous backup and system resilience, keeping operations running smoothly to this day.

Our Projects

AT&T

BROADCOM®

Problem: Telecom operators face challenges in managing vast network infrastructures, including complex device provisioning, scalability issues, and reliability concerns. New DSL or optical modems must be configured seamlessly. Networks contain hundreds of thousands of devices, and system failures can disrupt internet connections.

Solution: To address these challenges, we developed an SDN solution using Open Daylight (ODL) that automates device management for instant detection and provisioning, enables real-time monitoring for continuous tracking, and ensures scalability and reliability to handle large networks with minimal downtime. This results in faster installations, improved oversight with real-time network visibility, and higher customer satisfaction by reducing disruptions and enhancing service quality. Our automation-driven approach optimizes telecom networks for seamless connectivity.

THANK YOU FOR YOUR TIME

Any questions?

Reach out! We will make your cloud easy!

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