

Nexign Microservices Framework

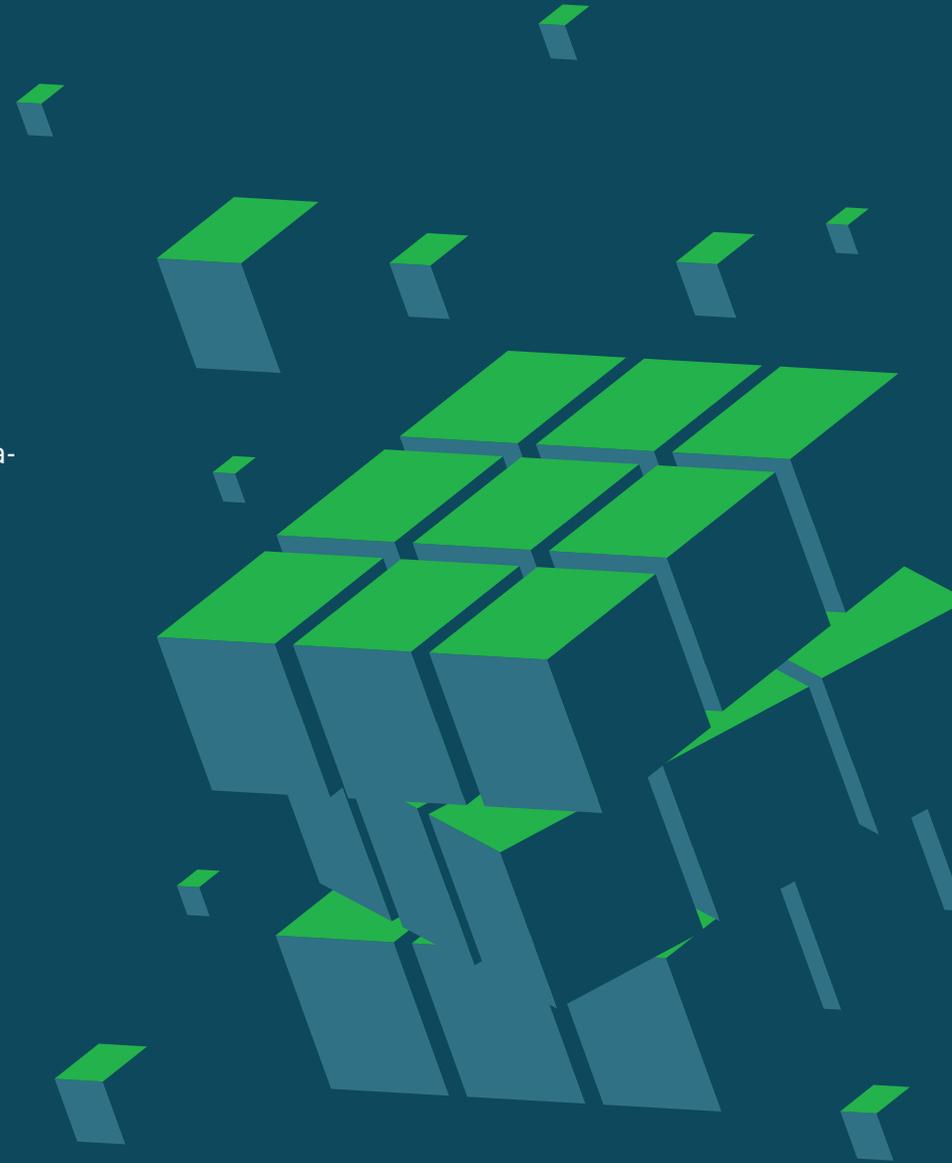
Empower rapid development of new digital services

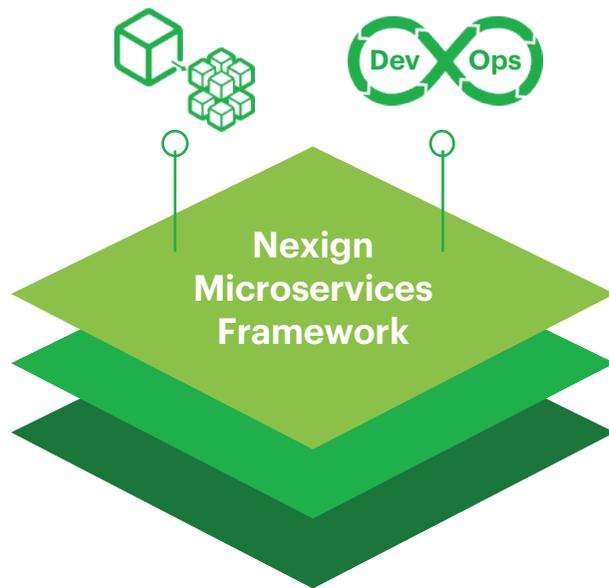
Agility and velocity are key to success in the digital world. Aiming to meet evolving customer expectations and keep up with rapidly changing market, communications service providers (CSPs) need to move fast and constantly innovate.

However, operators are struggling to achieve the required agility due to existing monolithic systems and outdated development approaches with long release cycles. Legacy solutions and intricate processes are not able to underpin new business initiatives and provide short time-to-market (TTM) for new services. Limited by the vendor's lock-in, operators risk to lose time and fall behind digital natives.

Nexign helps operators adopt a whole new approach to digital product innovation.

- Start building digital services on top of existing core systems
- Adopt cloud-native microservices architecture
- Set up in-house development based on industry best practices
- Avoid pitfalls in microservices architecture by harnessing Nexign's experience





- **Processes and methodology**
- **Rules and conventions**
- **Infrastructure and tools**

Nexign Microservices Framework is a ready-to-go platform, which enables agile in-house development of digital services, leveraging **cloud-native microservices architecture and DevOps practices**.

It empowers CSPs to take control over their digital evolution and move at scale and at speed without vendor lock-in.

Adopting microservices approach for digital product development ensures greater agility and scalability, allowing to build products from independent modules. Unified APIs help to achieve interoperability with vendor and partner systems, and therefore facilitate partner ecosystem growth. Continuous integration and deployment (CI/CD) process enhances automation, improves quality and reliability of services.

Designed as cloud-native, applications can be deployed either on-premises or to the cloud.

Industry-leading tools, best practices, and streamlined processes on a single platform.

Nexign equips an operator with all the tools, methodology and expertise needed to support the full lifecycle of continuous development, integration and deployment of microservices.

An operator doesn't have to build DevOps teams, processes, and infrastructure from scratch, learning from its own mistakes. Nexign brings all the puzzle pieces together, allowing CSP's IT team to focus on business value instead of dealing with the underlying processes.



Implement an automated unified CI/CD pipeline



Employ cutting-edge open-source software stack reinforced with Nexign's applications

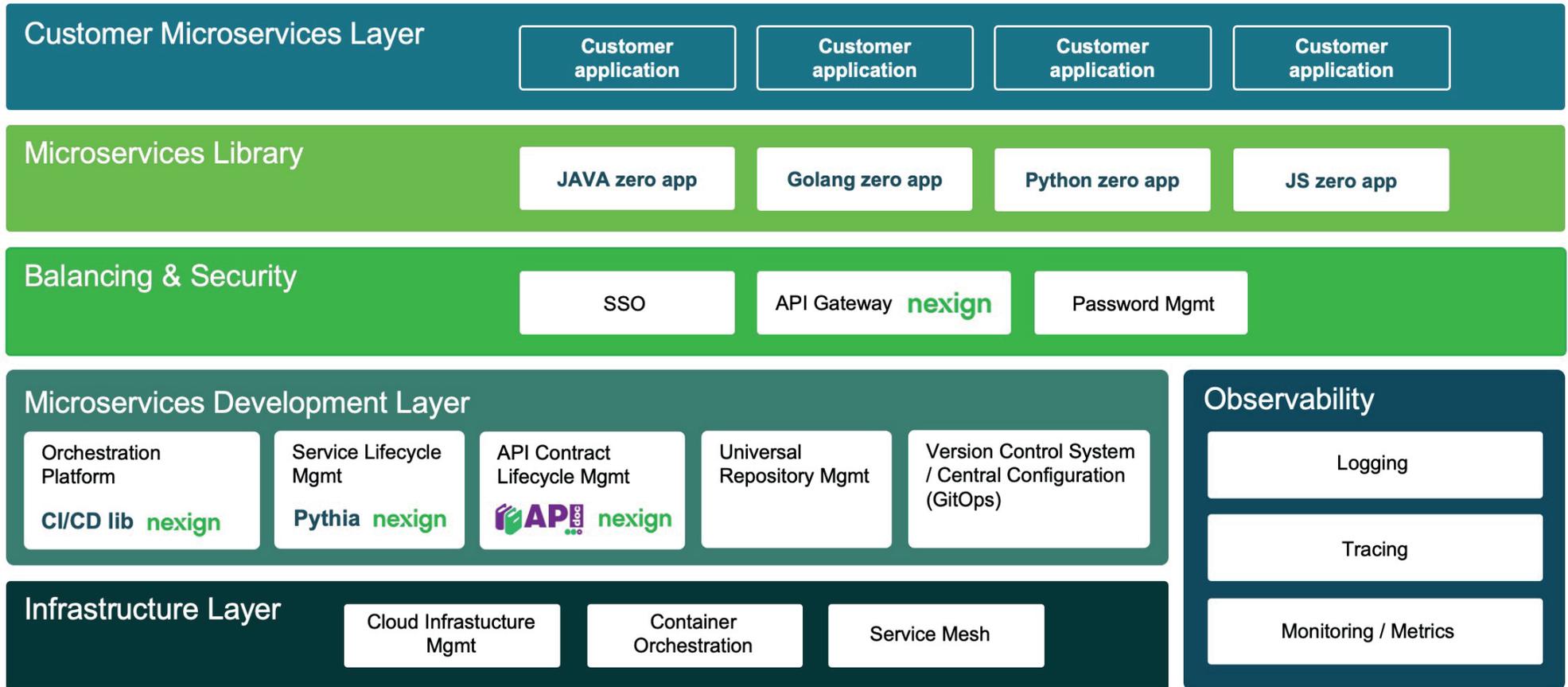


Adopt best practices and world standards for microservices development



Streamline the end-to-end development process and avoid "microservices chaos"

Nexign Microservices Framework Architecture



Programming languages support:
Java, Python, JS, PHP, Golang, Lua, C++, C#



Out-of-the-box security, monitoring and logging



On-premises or cloud deployment



Contract-first API support

Case study: MegaFon's Microservices Factory

Nexign Microservices Framework enabled the launch of MegaFon's Microservices Factory, that put the development of new services on a conveyor belt. The solutions created on the Factory are implemented in the middle layer between front-end solutions and a billing system.

The project brought about Open Ecosystem, an infrastructure for continuous involvement of new partners who enrich MegaFon's portfolio with new product offerings.

Business outcomes

- 170+ new services rolled out
- TTM reduced from 3-4 months up to 2 weeks
- a multi-subscription service MegaFon Plus was launched
- 25 external teams leverage Open Ecosystem capabilities

Why Nexign Microservices Platform?

We know how to do it right

As an IT-product vendor with 29 years of experience, Nexign has solid internal IT-expertise and employs industry-leading tools, methodology and processes in its own development process. We share tried-and-tested set of components leveraging world best practices.

Comprehensive approach

Digital transformation requires not only modernization of IT systems, but also a shift in the paradigm of doing business, including processes, internal culture, and employee skillset. That's why Nexign's multi-layered framework provides all the elements of a new development model to ensure that end-to-end process works efficiently.

