

Cloud Computing Services

Clouds are much closer than they seem

Cloud Computing Consulting and Development

Cloud solutions have ceased to be perceived as simply new innovative technology, instead becoming an essential and universally recognized standard for secure data processing and storage. With a strong foothold in the cloud computing field right from beginning, NIX has been catering to the diverse needs of clients' needs by providing a comprehensive selection of cloud services. As partners of Amazon Web Services, Microsoft Azure, and Google Cloud Platform, we've forged strong alliances with leading cloud providers. Our expertise isn't limited to the big three—it also includes services of more specific platforms such as IBM Cloud, Heroku, and Salesforce Cloud.

By providing cloud computing services, we help you design scalable and cost-efficient cloud solutions, allowing you to easily adjust resources based on demand while eliminating the need for upfront hardware investments, resulting in increased flexibility and reduced costs.

Whether your company employs complex multi-cloud solutions that impact every facet of your business workflow or you're thinking about making the first step into the cloud, our team of certified experts will assist you in harnessing the full potential of cloud technology.

Our Services

Cloud Development

Our team provides world-class **cloud infrastructure development services**. Whether your product is at the beginning of its development journey or you already have some progress underway, we can help you create a ready-to-market solution and ensure continuous enhancements. We take care of the entire process, from planning and **cloud design** to development, integrating a solution with other cloud-based or on-premise components of your infrastructure.

Using our **cloud infrastructure development services**, you can build and run scalable applications in public, private, and hybrid cloud environments. Our engineers will embrace all cloud features such as containers, service meshes, serverless, immutable infrastructure, and declarative application programming interfaces to create a **cloud native application** with auto-healing capability, solid security, hassle-free configuration updates, horizontal scalability, and elasticity.

Our engineers can provide you with:

- Cloud infrastructure development
- **Cloud native application** (twelve-factor app) development
- SaaS and hybrid app development
- Cloud-native solutions that utilize artificial intelligence, data science, and IoT

Cloud Migration

Our cloud engineers help you perform any migration, whether it's migrating monolith-based software, data warehouse, or entire IT infrastructure. We cover all stages to make the process smooth and effortless for you. We start with a comprehensive audit of your system, preparing components and data for moving into the cloud. After the planning phase, we define the structure of the cloud environment and perform a migration.

You receive full assistance with any issue through this process, from choosing cloud platforms and creating **cloud architecture** to considering the most optimal migration strategy for your business. After the system is deployed into a new environment, we ensure that it follows the best practices & security concepts for monitoring, alerting, backups, and high availability. We also supply platform and infrastructure refactoring services if necessary.

Cloud migration services and solutions we deliver:

- **Cloud migration consulting**
- Application migration to the cloud
- Data warehouse migration
- All-around infrastructure migration
- Integration of cloud and on-premise environments into a hybrid infrastructure
- Migration from one cloud platform to another
- Data migration

Cloud Consulting

Whether you want to level up the cost efficiency of your cloud solution, improve its security and performance, or check your business idea's viability from a technical angle, our **cloud computing consulting** specialists are here to help. First, we examine your business processes and IT infrastructures for readiness to integrate with cloud components or migrate to a cloud environment. Second, we develop a suitable strategy for your particular case. Third is implementation with our experts. Cloud platforms provide hundreds of powerful tools and services to boost businesses in all domains. We aim to help you choose suitable cloud capabilities and merge them with your processes.

We can also help migrate your business into the cloud if you're hesitant about where to start. Our experts help you choose an optimal cloud computing platform for business processes and build a strategy for smooth transfer.

Our **cloud consulting services** include:

- Cloud discovery and optimization
- Cloud security consulting
- **Cloud migration consulting services**
- **Cloud data warehouse consulting services**
- Cloud strategy development
- Cloud readiness assessment

Capabilities

DevOps

Cut expenses, increase development team agility, and obtain better documentation and quality control by automating processes and streamlining workflows with DevOps. Our practices and services—like agility, automation, continuity, and governance—will improve any stage of your software life cycle. NIX offers a comprehensive range of services that encompass building of Infrastructure as Code (IaC) solutions, seamless cloud integration, continuous integration and continuous delivery (CI/CD), containerization, DevSecOps, and ML Ops. As a result, your development becomes more flexible, and your company can respond more quickly to customer needs and market changes.



Cloud App Containerization: Kubernetes Service

Improve performance, increase flexibility, reduce the risk of security breaches and data loss, and eliminate the need to purchase additional hardware or software with app containerization. Our engineers can empower your applications with advantages such as auto-healing capability, hassle-free configuration updates, horizontal scalability, and elasticity, using app containerization to deploy and run distributed applications. When your app is based on containerized architecture, you can deploy it into the cloud on bare metal servers and migrate quickly with minimal effort.

We have in-depth expertise in Docker-based container packaging and orchestration frameworks, including AWS EC2 Container Service (ECS), AWS Elastic Container Service for Kubernetes (EKS), RedHat OpenShift, and GCP Kubernetes Engine (GKE) and others.

Cloud System Administration

Provide your infrastructure with high availability with administration services that respond in the minimum possible time. Our services focus on providing performance and fault-tolerant cloud infrastructure work, minimizing downtime caused by troubleshooting and reducing cost for issue resolution. We provide in-depth Tier 2 technical support and expert Tier 3 product and service support. At NIX United, support includes 24x7x365 monitoring and troubleshooting, recurrent system checks and adjustments, high security maintenance, and backup management. In case of any troubles, our experts respond quickly and make every effort to solve problems as fast as possible.

- Automated scalability setup
- Continuous system monitoring and emergency response in case of failures
- Backup management
- Auditing of weak spots in systems

Cloud Infrastructure Security

Ensure your data and applications are secure and compliant, and protect your business from malicious attacks that can result in financial and reputational issues. Our experts help you understand current risks and what's required to achieve the desired level of security protection for cloud computing assets, which can help mitigate risk exposure, prevent incidents before they occur, and keep operations running smoothly.

- Security audit
- Risk and security compliance
- Embedded security culture across entire lifecycle
- Compliance with industry specific standards

Vertical Cloud

Streamline your operations by integrating purpose-built industry services and solutions provided by cloud providers. Understanding specialized tools, compliance configurations, and requirements of resiliency, security, and performance aligned with specific verticals allows us to build industry-specific solutions. Their main advantage is a technological level of efficiency that is difficult to achieve and maintain with a combination of on-premise, hybrid, and third-party solutions.

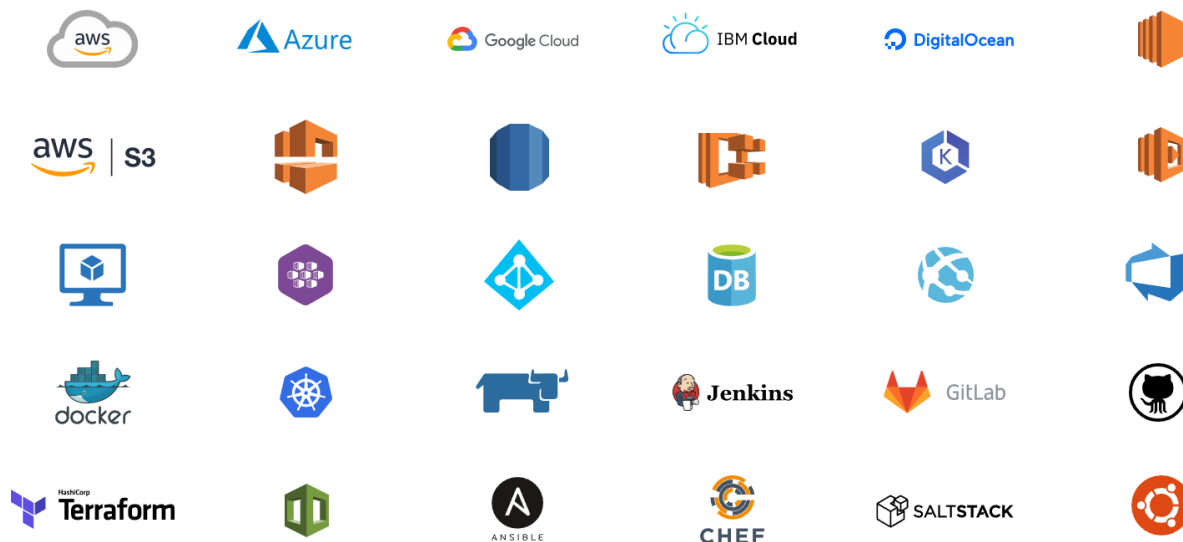
FinOps

Identify and eliminate unnecessary costs, identify cost-saving opportunities, and protect your financial assets from fraud and compliance issues by implementing the financial management of

cloud environments—or FinOps—in your company with NIX experts. We help businesses get maximum business value by assisting engineering, business, and other teams to adopt data-driven spending decisions.

- Setting up those accountable with proper cost allocation for cloud service consumption, building real-time reporting mechanisms
- Establishing anomaly management processes that allow you to detect, identify, and respond quickly to the unexpected or unpredicted
- Developing cloud-based spending forecasting models

Tech Stack



FAQ Section

- **How does NIX perform cloud optimization?**

We start by conducting a thorough assessment of your business processes and IT infrastructure to design a step-by-step strategy for infrastructure and **cost optimization**. NIX is a software

engineering company headquartered **in the USA** that provides **cloud optimization services** involving the utilization of diverse expertise to enhance performance and efficiency. We employ strategies such as rightsizing resources to align with workload demands, implementing auto-scaling capabilities, optimizing storage and network configurations, and leveraging cost-effective pricing models. Through our expertise, we offer valuable guidance on best practices for workload placement, resource allocation, and monitoring, ensuring continuous optimization. By implementing these measures, we help maximize the benefits of your **cloud infrastructure** and ensure it operates at its full potential.

We also provide **cloud data warehouse consulting services** to assist you in implementing a cost-effective DWH solution or migrating your legacy DWH solution to the cloud to achieve dynamic scaling and DWH **performance optimization**.

- **How much does it cost to build a cloud-based app?**

The cost of building a cloud-based app depends on various factors such as the complexity of the application, desired scalability and availability, chosen cloud provider, and expected user base. Our **cloud consulting services** help businesses estimate the costs more accurately by conducting a thorough assessment of the app's requirements, analyzing the necessary cloud resources, and considering any additional services or licenses.

NIX is a software development company headquartered **in the USA** that provides **cloud migration consulting** to help you migrate your applications or systems to the cloud smoothly and efficiently.

NIX cloud experts provide insights into the cost structure of cloud services, including compute instances, storage, data transfer, and other ancillary services. We suggest **cost optimization** strategies and **cloud design patterns** like leveraging reserved instances, using serverless architecture, and optimizing resource utilization to help minimize costs without compromising performance.

- **How can we avoid cloud vendor lock-in?**

To avoid cloud vendor lock-in, it's crucial to adopt a multi-cloud or hybrid cloud strategy. **Cloud consulting services** can help in evaluating and selecting the right combination of cloud providers based on specific requirements and workload characteristics. By designing and implementing a **cloud architecture** that is vendor-agnostic, businesses can avoid reliance on a single cloud provider. This allows for easier migration of applications and data between different cloud environments, reducing the risk of lock-in. Additionally, utilizing open standards, containers, and orchestration tools like Kubernetes can enhance portability and flexibility, enabling seamless migration and management across multiple cloud platforms.

- **How can I avoid paying more for a cloud solution compared to local hosting?**

To avoid paying more for a cloud solution compared to local hosting, careful planning and monitoring are essential. NIX provides **cloud consulting and cloud computing consulting services** to assist you in assessing the current hosting costs and comparing them with the

projected costs in the cloud. We consider factors such as infrastructure expenses, maintenance costs, and licensing fees to provide a comprehensive cost analysis. By optimizing resource utilization, leveraging cost-effective cloud services, and implementing effective governance and monitoring mechanisms, we help you avoid unnecessary expenses and achieve **performance optimization**. It's also essential to regularly review and optimize the cloud environment to ensure cost efficiency and align with changing business needs.

- **What's the difference between cloud-based apps and traditional apps?**

The main difference between **cloud-native applications** and traditional ones lies in their deployment and infrastructure. Traditional apps are typically hosted on physical servers within an organization's premises, while cloud-based apps are deployed on virtualized infrastructure provided by cloud service providers.

Traditional apps often require substantial upfront investments in hardware and infrastructure, while cloud apps follow a pay-as-you-go model, in which businesses only pay for the resources they consume. Additionally, **cloud-native applications** can leverage various cloud-native services and technologies, enabling faster development, deployment, and innovation.

NIX is a software engineering company headquartered **in the USA** that provides **cloud native application development services** to assist you in creating apps that offer greater scalability, flexibility, and cost-effectiveness, as resources can be easily provisioned or de-provisioned based on demand. They also benefit from the robustness of **cloud infrastructure**, security measures, and managed services.

- **How long does it take to make a cloud-based app?**

The time required to develop a cloud-based app depends on factors such as the complexity of the application, the development team's size and expertise, the availability of required resources, and the chosen development approach. Our **cloud computing consulting services** help you estimate the development timeline by conducting a thorough analysis of the app requirements and breaking them down into development tasks. We consider factors like application architecture, integration needs, testing requirements, and deployment strategies.

NIX also incorporates agile methodologies and cloud-native development practices to accelerate the development process by leveraging pre-built components, DevOps practices, and **cloud infrastructure** services. However, it's important to note that the development timeline can vary significantly depending on the specific project and its unique characteristics.

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