

Pioneering Cloud Native Development & Serverless Applications

XTIVIA is at the forefront of cloud-native development, offering a comprehensive suite of services designed to modernize and optimize your applications. Our expertise in microservices, containers, serverless computing, DevOps, continuous integration, and continuous delivery ensures that your business can leverage the full potential of the cloud. With a focus on scalability, resilience, and efficiency, XTIVIA delivers solutions that meet the evolving demands of today’s digital landscape.

Our Capabilities:

Microservices

- Scalable, resilient architectures using domain-driven design
- Inter-service communication (REST, gRPC)
- Kubernetes orchestration

Containers

- Application containerization with Docker
- Kubernetes management
- Secure image storage and lifecycle management

Serverless Computing

- AWS Lambda, Azure Functions, Google Cloud Functions
- Event-driven architecture and cost optimization
- Performance monitoring and logging

DevOps

- Streamlined development and operations with Terraform and Ansible
- Continuous monitoring and incident management
- Integrated DevSecOps for security

Continuous Integration (CI)

- CI pipelines with Jenkins, GitLab CI, Azure Pipelines
- Automated build, test, and code review
- Integration with Git

Continuous Delivery (CD)

- Automated deployment pipelines for all environments
- Blue-green deployments, canary releases
- Continuous testing, monitoring, and rollback mechanisms



Our Offerings:

General

- Consulting and Strategy
- Development and Implementation
- Continuous Integration/Continuous Delivery (CI/CD)
- Container Orchestration and Management
- Security and Compliance
- Support and Maintenance

Special

- Architecture and Design
- API Management and Integration
- Upgrades and Migrations
- Serverless Computing
- Cloud Automation
- QA/Testing

Industry-Specific Solutions

- Healthcare
- Finance
- Retail

Partnership Programs

Technology Partnerships
Co-Development Initiatives



1. Consulting and Strategy

- **Cloud Assessment and Strategy:** Evaluate current infrastructure and define a cloud adoption strategy tailored to business objectives.
- **Architecture Design:** Design robust cloud-native architectures to maximize scalability, resilience, and efficiency.
- **Migration Planning:** Develop a detailed migration plan to transition from legacy systems to cloud-native environments.

2. Development and Implementation

- **Microservices Development:** Break down monolithic applications into microservices for improved agility and scalability.
- **Containerization:** Package applications and dependencies into containers for consistent and portable deployment.
- **Serverless Computing:** Develop serverless applications to reduce overhead and focus on core business logic.

3. Continuous Integration/Continuous Delivery (CI/CD)

- **Pipeline Setup:** Implement automated CI/CD pipelines to streamline code integration, testing, and deployment.
- **DevOps Enablement:** Integrate development and operations teams to enhance collaboration and accelerate delivery.
- **Infrastructure as Code (IaC):** Manage and provision infrastructure through code for consistency and repeatability.

4. Container Orchestration and Management

- **Kubernetes Orchestration:** Deploy and manage containerized applications using Kubernetes.
- **Automated Scaling:** Implement auto-scaling mechanisms to handle varying workloads efficiently.
- **Monitoring and Logging:** Set up comprehensive monitoring and logging solutions for real-time insights and issue resolution.

5. Security and Compliance

- **Security Assessment:** Conduct thorough security assessments to identify vulnerabilities and ensure robust protection.
- **Compliance Management:** Ensure adherence to industry standards and regulations (e.g., GDPR, HIPAA) through compliant cloud-native solutions.
- **Identity and Access Management (IAM):** Implement IAM solutions to manage user access and permissions securely.

6. Support and Maintenance

- **24/7 Support:** Provide round-the-clock support to ensure seamless operation and quick resolution of issues.
- **Performance Optimization:** Continuously monitor and optimize application performance to meet business objectives.
- **Patch Management:** Regularly update and patch systems to protect against vulnerabilities and improve functionality.

Specialized Offerings

1. Architecture and Design

- **Cloud-Native Architecture:** Design scalable, resilient, and efficient cloud-native systems tailored to your business needs.
- **Blueprint Development:** Create detailed blueprints to guide the implementation and evolution of your cloud architecture.

2. API Management and Integration

- **API Design and Development:** Build robust APIs that enable seamless integration and communication between services.
- **API Gateway Implementation:** Deploy API gateways to manage and secure API traffic effectively.

3. Upgrades and Migrations

- **Legacy System Migration:** Transition from outdated systems to modern cloud-native environments with minimal disruption.
- **System Upgrades:** Implement upgrades to keep your cloud infrastructure up-to-date with the latest technologies and best practices.

4. Serverless Computing

- **Function Development:** Create and deploy serverless functions to streamline operations and reduce costs.
- **Event-Driven Architecture:** Design systems that automatically respond to events, improving efficiency and responsiveness.

5. Cloud Automation

- **Automated Provisioning:** Set up automated provisioning of resources to ensure consistency and reduce manual errors.
- **Infrastructure as Code (IaC):** Use IaC tools to automate the setup and management of cloud infrastructure.

6. QA/Testing

- **Automated Testing:** Implement automated testing frameworks to ensure code quality and reliability.
- **Continuous Testing:** Integrate continuous testing into your CI/CD pipeline to catch issues early and improve overall quality.

Industry-Specific Solutions

1. Healthcare

- **HIPAA-Compliant Solutions:** Develop secure, cloud-native applications to enhance patient care and operational efficiency.
- **Telehealth Integration:** Implement telehealth solutions to provide remote healthcare services.

2. Finance

- **Secure Financial Platforms:** Build scalable and secure cloud-native platforms for financial services.
- **Regulatory Compliance:** Ensure compliance with industry regulations such as GDPR, PCI-DSS, and others.

3. Retail

- **E-Commerce Platforms:** Develop cloud-native e-commerce solutions to enhance customer experience and streamline operations.
- **Supply Chain Management:** Implement cloud-based supply chain solutions for better visibility and efficiency.

Partnership Programs

1. Technology Partnerships

- **Cloud Providers:** Partner with leading cloud providers (e.g., AWS, Azure, Google Cloud) to deliver comprehensive solutions.
- **DevOps Tools:** Collaborate with top DevOps tool providers to enhance CI/CD and automation capabilities.

2. Co-Development Initiatives

- **Joint Ventures:** Engage in co-development projects to innovate and bring new cloud-native solutions to market.
- **Research and Development:** Collaborate on R&D initiatives to stay at the forefront of cloud-native technologies and practices.

Tools We Use

1. Cloud Platforms

- **AWS:** Comprehensive cloud services platform offering computing power, storage, and other functionalities.
- **Microsoft Azure:** Cloud platform providing a wide range of services including analytics, computing, database, and networking.
- **Google Cloud Platform (GCP):** Suite of cloud computing services including data storage, machine learning, and big data.

2. Containerization and Orchestration

- **Docker:** Platform for developing, shipping, and running applications in containers.
- **Kubernetes:** Open-source system for automating the deployment, scaling, and management of containerized applications.

3. CI/CD and DevOps

- **Jenkins:** Open-source automation server for building, deploying, and automating any project.
- **GitLab CI:** Continuous integration and delivery platform to build, test, and deploy code.
- **Terraform:** Infrastructure as Code (IaC) tool for building, changing, and versioning infrastructure safely and efficiently.

4. Monitoring and Logging

- **Prometheus:** Open-source monitoring system with a dimensional data model and flexible query language.
- **ELK Stack (Elasticsearch, Logstash, Kibana):** Set of tools for searching, analyzing, and visualizing log data in real-time.
- **Grafana:** Open-source platform for monitoring and observability.

5. Security

- **HashiCorp Vault:** Tool for securely accessing secrets such as API keys, passwords, and certificates.
- **AWS IAM:** Service for managing access to AWS services and resources securely.
- **Azure Active Directory:** Cloud-based identity and access management service.

Why XTIVIA?

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| Managed Services Cloud Configuration Public / Hybrid Cloud Backup & Storage Monitoring Change Management Cost Management Capacity Management Application Management Infrastructure Management - Terraform | Implementation Application Architecture & Implementation Application / Data Integration Cloud Infra Architecture & Implementation iPaaS FaaS API Management PaaS IaaS | Big Data & Analytics Big Data in Cloud Smart & Real-Time Visualization Stream Analytics Architecture & Implementation Data Lakes Architecture Data Science Pipeline Development Apache Beam |
| Consulting Assessment Roadmap TCO / ROI Analysis Security | Migration Proof-of-Concept (POC) Cross Cloud Migration Physical to Virtual Migration Application Migration Data Migration Infra Migration | DevOps & Cloud Native CI/CD of Cloud Native Apps Serverless Computing Container based Applications Cloud Automation |



Expertise and Experience

- Proven Success:** Our organization has a history of successful cloud-native deployments across various industries. We have helped numerous clients transition to cloud-native architectures, enhancing their scalability, agility, and cost-efficiency.
- Top Talent:** Our team consists of certified cloud architects, experienced developers, and DevOps engineers who are experts in the latest cloud technologies and practices.

Comprehensive Services

- All-In-One Solutions:** We offer a complete suite of services from initial consulting and strategy development to implementation, support, and maintenance. This ensures a seamless experience and consistent quality throughout your cloud-native journey.
- Tailored to You:** We understand that every business is unique. Our solutions are tailored to meet your specific requirements, ensuring you get the maximum benefit from your cloud investment.

Innovation and Cutting-Edge Technology

- Stay Ahead:** We stay at the forefront of technology trends, incorporating the latest advancements in cloud-native development, such as microservices, serverless computing, and AI/ML integration.
- Continuous Improvement:** We continuously refine our methodologies and processes to deliver innovative solutions that provide a competitive edge.

Focus on Security and Compliance

- Secure by Design:** Security is a top priority for us. We implement comprehensive security protocols to protect your data and applications from threats.
- Regulation Ready:** Our solutions comply with industry regulations like GDPR and HIPAA, ensuring you stay compliant.

Customer-Centric Approach

1. **Dedicated Support:** Our 24/7 support ensures that any issues are resolved promptly, minimizing downtime and ensuring smooth operations.
2. **Collaborative Process:** We work closely with our clients throughout the project, maintaining transparent communication and incorporating feedback to ensure that the final solution meets your expectations.

Cost Efficiency

1. **Optimized Solutions:** We design cost-effective cloud solutions that optimize resource usage and lower operational costs.
2. **Scalable Solutions:** We build scalable architectures that grow with your business, avoiding the need for costly overhauls as your needs evolve.

Training and Enablement

1. **Comprehensive Training Programs:** We provide comprehensive training so your team can effectively manage the new cloud systems.
2. **Knowledge Transfer:** We empower your in-house team with the skills to maintain and improve cloud solutions.

Strategic Partnerships

1. **Strong Alliances:** Our partnerships with leading cloud providers ensure we deliver top-notch solutions.
2. **Innovative Collaboration:** We co-develop with partners to bring cutting-edge cloud solutions tailored to your needs.

XTIVIA Overview

XTIVIA is a proven technology integration and innovation company known for delivering leading-edge technology solutions to our client's specific requirements, regardless of project complexity. Since 1992, our success stems from a demonstrated ability to deliver deep expertise via professional services, empowering clients to successfully, competitively, and profitably leverage their chosen technology. XTIVIA has offices in Colorado, New York, New Jersey, Texas, Virginia, and India. www.xtivia.com