

Zivaro provides industry-leading consulting and technology services that help clients realize real business value from their technology investments. With deep foundations in Cloud, Hybrid IT, Security, Collaboration and Analytics, we support clients across a broad spectrum of industries with IT strategy, planning, implementation and IT operations.

INTELLIGENT ARCHITECTURE

- Infrastructure as Code – Automation & Orchestration
- Hybrid Cloud - Design, Architecture, Management
- Distributed Data Stores
- Auto-Scaling and Self-Healing
- High Availability
- Cloud Readiness Plans & Migration

CLOUD CONSUMPTION

- Billing Audit and Optimization
- Visibility into Cloud Costs Across Multiple Accounts
- Usage Tiering, Tracking and Mapping
- Right Sizing
- Simplified and Consolidated Billing
- Elasticity & Autoscaling

GIS APPLICATIONS

We specialize in building, monitoring, maintaining, scaling & securing geospatial applications

SECURITY

We excel at managing highly controlled environments (FedRAMP High)

AWS LANDING ZONE DESIGN

Start or continue your cloud journey assured that you are following AWS security and architecture best practices

OPERATIONS

- Infrastructure Automation
- Continuous Monitoring and Measurement
- Optimization Intelligence
- IT Service Intelligence (ITSI)
- Managed Operations & Security Services
- Continuous Remediation of Vulnerabilities Based on Policy

DEVOPS PROFICIENCY

- Strategy and Process Consulting
- Tools Rationalization
- Containers and Microservices
- Configuration Management
- CI/CD Automation and Orchestration

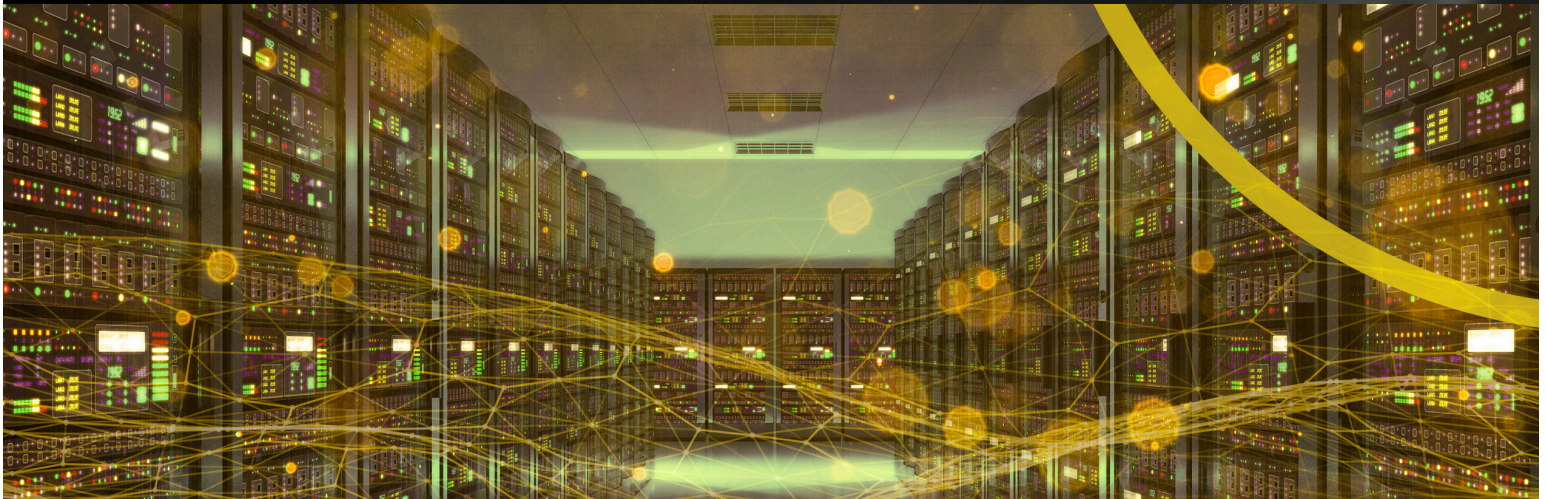
STRATEGIC PARTNERSHIPS

Zivaro, partners with AWS, Docker and Splunk, among others

INDUSTRIES

Government | Water and Wastewater Management | Telecommunication | Engineering & Business Services | Aerospace & Defense | Oil & Gas Refineries | Oil & Gas Exploration | Transportation & Logistics | Healthcare |



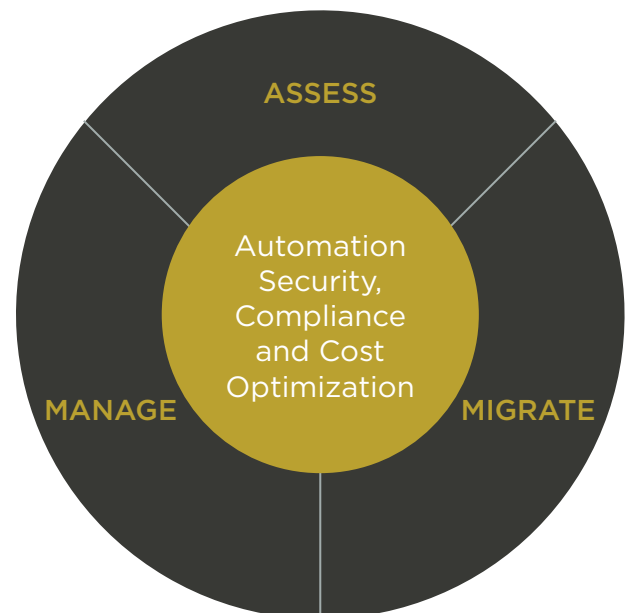


About the National Levee Database (NLD):

The NLD is a congressionally-authorized database that documents levees in the United States. NLD information includes the location, general condition, and risks associated with the levees. Zivaro is contracted to plan, build and manage this AWS based cloud solution.

Key Solution components:

- AWS account creation and management for the US Army Corps of Engineers (USACE).
- AWS architectural best practices for creating an AWS account and securing the environment
- Secure AWS Enclave
- Usage of CloudFormation Templates and Ansible playbooks for account construction
- App environment completely automated using Infrastructure as Code
- Automations configure the virtual networking, the access controls, the secure enclaves for the applications, the server instances, configure the operating systems, and deploy the applications.
- Usage of Security Technical Implementation Guides (STIGs) to secure the instance operating systems to Defense Information Systems Agency (DISA) standard.
- We secure the AWS accounts, the users, the web interfaces and the interaction between systems



The Result:

The database includes attributes of levees and floodwalls relevant to flood fighting, design, construction, operation, maintenance, repair and inspection. Because the location and characteristics of levee systems can be viewed on a map with real-time data from other sources, such as stream gauges and weather radar, it is a useful tool for a variety of public agencies and individuals including flood plain managers, emergency management agencies, levee system sponsors and citizens who live or work behind a levee.

The recent refresh made more tools available to data managers to keep information updated and provides an improved dashboard that makes finding and understanding levee information easier than ever.