# AWS Consulting Services

Expert Deployment and Support of Amazon Web Services (AWS) Infrastructure for the Financial Services Sector

## AWS Cloud Computing Backed by Abacus' Expertise

AWS is an industry leader in cloud computing, providing robust and scalable infrastructure to meet the unique needs of alternative investment firms. Leverage cutting-edge technology, enhance security and achieve cost savings with an AWS architecture designed for your requirements. Our team of AWS experts will work with your firm to translate your business needs and challenges into secure, scalable and reliable AWS solutions.

## Services

### Requirements Evaluation

Abacus will evaluate your business objectives and select the appropriate architecture and applications based on your given requirements, then make recommendations for the implementation, deployment and provisioning of those applications on AWS.

### Cloud Migration

Abacus has the ability to seamlessly migrate and manage complex, multi-tier applications with minimized downtime and disruption to your operations.

### Security Guidance

Receive SME guidance for AWS' end-to-end security architecture, including networking, storage, databases, provisioning, IAM and management.

### Architecture Design and Deployment

Abacus will architect and deploy an enterprise-wide dynamically scalable, highly available, fault-tolerant and reliable infrastructure on AWS to support modern cloud-based applications across multiple projects.

### Managed AWS Environment

Once deployed, your AWS environment will be monitored and managed by Abacus. We will also advise on industry-forward best practices for upgrades as needed.

## Benefits

### Scalability

Easily scale your infrastructure based on your business needs.

### Reliability

High-availability and resiliency of your AWS environment ensures your applications and data remain safe and intact in the event of a failure.

### Security

Robust AWS security controls and measures protect your environment and data from ongoing threats.

### Cost-Control

Abacus is able to implement cost control strategies, ensuring you only pay for the resources you need and avoid unexpected cost overruns.

# AWS Well-Architected Framework

Abacus utilizes the AWS Well-Architected Framework of best practices and guidelines to design a secure, resilient and efficient architecture for your applications. This consistent and scalable approach to architecture design ensures your firm's AWS environment is built in accordance with industry standards.

## Security

- Automation of security best-practices
- Protection of your data in-transit and at rest
- Design methodology meant to protect your information and systems in accordance with industry standards, including:
  - AWS Foundational Security Best Practices (FSBP)
  - Center for Internet Security (CIS)
  - National Institute of Standards and Technology (NIST)
  - SOC 1, 2 and 3 Compliance (of most services)

## Performance Efficiency

- With a structured and streamlined allocation that computes utilization to reduce costs, infrastructure is scaled up and down when needed to handle peak workload
- Resources are measured against best practices to identify areas for improvement

## AWS Reference Architectures

- Pre-designed, best practice reference architectures serve as blueprints for Abacus to design and implement custom solutions for your business on the AWS platform

## Resiliency

- Visibility of your environment through monitoring with automated scalability and disaster recovery
- Utilization of Infrastructure-as-Code (IaC)
  - Quickly iterates with repeatable deployments
  - Built-in version control of resources
  - Reduction of configuration efforts
- Loosely-coupled resources increasing flexibility, scalability and extensibility
- Reduction of operational burden by using AWS-managed services when possible

## Platform Landing Zone Design Guidance

- SIEM-integrated security controls allow Abacus to receive and respond to alerts
- Support for multi-account AWS environments ensures:
  - Controls are in place to enforce security best practices on new and existing resources
  - Your tenancy is isolated, scalable and secure
  - Availability of secure audit trails of access and configuration changes for compliance
  - The ability to quickly deploy workloads
- Business process separation via billing partitioning

AWS Well-Architected Tool → Define workload → Conduct architectural review → Apply best practices