AZURE CAPABILITIES SUMMARY

Overview

Applied Information Sciences (AIS) helps businesses optimize their IT operations and provide maximum business value through the re-evaluation, improvement, and automation of their business processes using cloud computing technologies. Our technical depth and years of proven enterprise systems development experience allow AIS to assist enterprises in planning, building, and managing their cloud-based initiatives. By focusing on the Microsoft Azure platform, AIS can provide our customers with the targeted, actionable experiences, and skills necessary for success. Whether your deployment has a few users or a few thousand users, AIS can help your business maximize its return on investment and minimize deployment costs.

OFFERINGS AND CAPABILITIES

AIS has a variety of offerings to help our clients use the public cloud.

Cloud Adoption Framework (CAF)

This is AIS' 7 step process to take an organization with little to no public cloud knowledge through the process of moving workloads to the cloud. This includes education, strategy, and efficient planning and execution. You can read more about the CAF here: *http://ais.live/Cloud_Adoption_Framework*

Azure API Management

With Azure API Management (APIM), AIS can help organizations publish APIs to unlock the potential of their data and services. APIs allow developers to create apps that serve the needs of specific user segments. With Azure APIM, we'll help your organization design, analyze, and manage APIs in a secure and scalable way.

Azure Readiness

AIS can ensure you are ready to make a move into Azure by assessing your current Cloud strategy, requirements, and designing a plan to extend your infrastructure into Azure and prepare it for workload migrations. Establishing proper connectivity, tagging, governance, authentication, and security is paramount to ensuring a successful Cloud strategy and implementation.

Governance and Architecture

Cloud governance is often an overlooked requirement for a successful cloud strategy. AIS can work with your organization to determine the best subscription design, naming and tagging standards, policies, and access controls to establish a successful governance strategy.

Networking and Security

Building or extending the Azure Data Center can be done with automation, scaling, operations, security, and governance. Our process will guide your organization through a series of questions resulting in a grid of specifications we'll use to build out the Public Cloud Subscription and Network Topology. AIS will offer a governing approach for segmentation of the IP space into security zones with security policies between zones.

Azure Infrastructure Implementation

Setting up a secure core infrastructure is a requirement of a successful Cloud strategy. AIS can help design and implement a core infrastructure using secure networking, governance, operations management, and authentication through Azure Active Directory and Multi-factor Authentication.

Data Intelligence Framework

AIS provides a "railway" to the cloud through a defined framework for data intelligence. Unlock secure, streamlined access to data analytics for key stakeholders from multiple data sources.

Proof-of-Concept

This service helps clients develop short-term proof-of-concepts to validate cloud platform concepts before embarking on a full-scale production environment effort.

App Modernization

From assessment and conception to design and implementation, AIS helps organizations modernize legacy apps by leveraging the 6 R's – rehost, refactor, replatform, retire, retain, and replace. We start with a comprehensive application migration assessment and deliver a roadmap for modernization. Solutions include lift and shift or rehosting of apps, replatforming to leverage infrastructure-as-a-service (IaaS), refactoring of complex apps to take advantage of platform-as-a-service (PaaS) capabilities, and multi-tenant software-as-a-service (SaaS) solutions. Our DevOps-oriented approach is used throughout the project lifecycle to streamline and expedite the "conception to production" process.

Azure Kubernetes Services (AKS)

Our AKS services allow your IT team to focus on what matters, rather than taking away time to manage and patch virtual machines (VMs). Scale your application infrastructure with ease and agility with the help of AKS intelligent services, all while saving on costs through the scalable pay-per-service structure.

Cloud Economic Assessment (CEA)

Understand cloud costs before migrating your first workload. With our CEA offering, you get a detailed analysis of the Total Cost of Ownership (TCO) and cost comparisons between on-prem servers and cloud-hosted workloads.

DevOps Services

AIS' DevOps services are designed to guide organizations to a model of continuous delivery. This approach allows our customers to get software into their users' hands more frequently and reliably by fully automating their applications' deployment pipelines. While continuous delivery is the organizing concept around our DevOps services, it is not an end state.

Managed Services

We take responsibility for all aspects of operating and maintaining your public cloud platform, including billing, monitoring, help desk support, backup, and disaster recovery solutions as well as solution maintenance.

Azure Lift and Shift

AIS provides migration services to take your existing infrastructure and applications and migrate those efficiently and securely into Azure public Cloud. AIS has a proven framework for assessing and migrating services into Infrastructure, Software, and PaaS capabilities.

Papers, Events, Training and Thought Leadership

- Our AIS team members have numerous courses published on Pluralsight.com, one of the leading technology training sites on the Internet.

- We have Microsoft Virtual Technology Specialists (VTS) as well as Azure MVP's on staff.

- We have a Microsoft Regional Director (RD) on staff.

- We have been asked to speak at numerous national events including VSLive!, Ignite, .NET Rocks! and numerous other local and regional events.

- Our blog is widely read and followed for its rich and in-depth public cloud coverage:

- We invest in developing early expertise in leading public cloud technologies. Examples can be seen here: *www.appliedis.com/ideas/innovations*

- AIS was among the initial partners invited to participate in the Azure Government Cloud (AGC) private preview in early 2014. We moved some development and test environments to AGC for the Department of Defense, FBI, and Texas agencies and have several demos running on AGC to demonstrate disaster recovery and geographic failover. AIS was among the premier partners invited to participate in the General Availability Announcement Event in December 2014.

Memberships, Partnerships and Awards

- Microsoft Azure FastTrack Partner

- Microsoft Azure Circle Partner

- Microsoft Cloud Essentials Partner

- Microsoft Cloud Accelerate Partner

- Microsoft Azure Insider Program

- Microsoft Windows Azure Advisors Program

- Microsoft Azure MVP Program

- Founding member of the Azure Partner Advisory Council

- AIS was Microsoft's first cloud partner for the commercial mid-Atlantic region

- AIS is one of the few private beta partners to work in the new Azure Government Cloud

- Microsoft NSP Partner of the Year for 2018 for Azure Performance

Microsoft Partner

Gold DevOps
Gold Cloud Platform
Gold Cloud Productivity
Gold Application Integration
Gold Application Development
Gold Collaboration and Content

Microsoft

Azure