

# Applied Information Sciences

## Azure Capabilities Summary



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## 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 allows AIS to assist enterprises in planning, building and managing their cloud-based initiatives. By focusing on the Microsoft Azure platform, AIS is able to 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 utilize the public cloud.

- **Strategy** - “Move, Enhance and Transform” – This service helps clients understand which applications are a good fit for the cloud, and it recommends proof-of-concepts and roadmap based on cost-benefit analysis and how the platform is likely to evolve in the future.
- **Proof-Of-Concept** – This service helps clients to develop short-term proof-of-concepts to validate cloud platform concepts before embarking on a full-scale production development effort.
- **Project Support** – This service offers a full range of project development services from conception to design and implementation leveraging appropriate infrastructure-as-a-service (IaaS) and platform-as-a-service (PaaS) cloud platform capabilities. Our DevOps-oriented approach will be used throughout the project life-cycle to streamline and expedite the process of going from conception to production.
- **SaaS Architecture and Implementation** – The strategies for developing multi-tenant software-as-a-service (SaaS) solutions can differ dramatically from building traditional single use line-of-business applications. We have developed our own SaaS solutions and worked with a variety of ISVs to help them design, implement and deploy their SaaS offerings.
- **Managed Services** – We take responsibility for all aspects of operating and maintain your public cloud platform, including billing, monitoring, helpdesk support, backup and disaster/recovery solutions as well as solution maintenance.

## Notable Projects

At AIS, we believe the best way to judge us is based on what we have already done, not on what we say we can do. We have implemented a broad range of project types on Azure and have numerous examples of solutions currently in production. The following list highlights a few of them.

**Pandora Jewelry** - We developed a B2B commerce system that supports dealer purchases by most of Pandora Jewelry’s world-wide customer base. Azure PaaS capabilities were leveraged to create the solution that has been in production since 2012 and has processed billions of dollars in transactions. The hybrid solution integrates with Pandora’s on-premises ERP system for final order fulfillment.

**Insurance Company** – AIS designed and deployed a large scale development and test environment that consists of 100's of machines that are used by the development staff for all phases of their ALM processes. A large focus was place on automated provisioning to maximize the power of Azure's infinite scalability while at the same time controlling costs.

**NFL Players Association (NFLPA)** – We are currently in the process of redeveloping the NFL Players Association site, NFLPlayers.com, on Azure. This site will be live in the fall of 2014 and will leverage a variety of Azure IaaS and PaaS capabilities.

**Red Gate Software** – AIS is Red Gate Software's strategic development partner for the Cerebrata line of Azure management tools.

**Artist Archive** – We designed, developed and manage the SaaS-based high-fidelity digital archive solution that is used to manage the digital assets for individual artists and record labels. The solution utilizes a variety of Azure PaaS capabilities.

**Bondi Digital Publishing** – We utilized Azure to develop a SaaS solution for online periodical distribution to traditional computing devices as well as tablet and mobile devices leveraging HTML5 touch-based technologies. This system is used by magazines such as Rolling Stone, Vogue and Playboy.

**Blackboard** – We assisted Blackboard in the initial port of their Transact system to Azure. The ported system leverages core Azure services such as SQL Azure while maintaining PCI-compliant information in their current on-premises systems.

**Population Services International (PSI)** – We developed a solution to collect and consolidate financial information from a workforce that is distributed across the globe. Azure Storage and Azure Service Bus capabilities were used to simplify the geo-distributed requirements of the solution.

**MetaStorm** – We assisted Metastorm in developing an Azure-based modeling tool. They migrated their on-premises modeling tool to Azure.

**U.S. Department of Treasury** – We implemented a solution based on Azure AppFabric Service Bus that connects their public facing site with on-premises SharePoint infrastructure.

**.i2i Systems** – We developed a healthcare reporting system based on an implementation of Map Reduce algorithm on the Windows Azure Platform, leveraging Azure's ability to scale up/down as needed.

**Towers Watson** – We are currently developing a High Performance Computing (HPC) solution that utilizes Azure for the compute node infrastructure. This solution is utilizing the HPC/Azure infrastructure to schedule large numbers of Excel compute jobs.

**DD172 Records** – We developed a digital media site to market and commoditize DD172's catalog of video, audio and other multimedia content. The solution is being built on top of Azure and the Umbraco CMS.

**Cyber IQ Services** – We helped CIQ design and deploy a SharePoint 2013 application using .NET/ASP.NET w/MVC and JavaScript. CIQ is creating SaaS product for the Federal government to collaborate with the private sector on cyber threats.

## Papers, Events, Training and Thought Leadership

- Our AIS team members, Vishwas Lele and Steve Michelotti, 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 were selected by the Microsoft Azure team to develop their current 'Modern App' solution that is deployed across all Microsoft Training Centers (MTC) in the U.S.
- We have been asked to speak a numerous national events including VSLive! New York, Redmond and Orlando, .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: <http://blog.appliedis.com/category/cloud-computing-2/>
- We invest heavily in developing early expertise in leading public cloud technologies. Examples can be seen here: <http://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. AIS moved a number of development and test environments to AGC for the Department of Defense, FBI and Texas agencies. AIS has several demos running on AGC demonstrating disaster recovery and geographic failover. AIS was among the premier partners invited to participate in the General Availability Announcement Event in December 2014.

## Azure Client List

- |                                          |                                                   |
|------------------------------------------|---------------------------------------------------|
| • Active Data                            | • Liberty Tax                                     |
| • American Gas Association (AGA)         | • Lionbridge                                      |
| • Arnold & Porter                        | • Longleaf Solutions                              |
| • Artist Archive                         | • Merkle                                          |
| • Blackboard                             | • Metastorm                                       |
| • Bondi Digital Publishing               | • Micros Systems                                  |
| • Booz Allen Hamilton                    | • NFL Players Association                         |
| • Broadcasting Board of Governors        | • NGP VAN                                         |
| • Ciena                                  | • North American Electric Reliability Corp (NERC) |
| • CyberIQ Services                       | • Pandora Jewelry                                 |
| • DD172 Records                          | • Population Services International (PSI)         |
| • Discovery                              | • Red Gate Software                               |
| • e-Notary                               | • RR Donnelley                                    |
| • Eastman Outdoor                        | • Select Medical                                  |
| • Ethiopian Maritime Technical Institute | • SPAWAR                                          |
| • FantasyDraft                           | • Texas DADS                                      |
| • GEICO                                  | • Towers Watson                                   |
| • i2i Systems                            | • U.S. Department of Treasury                     |
| • JASON Project                          | • Velaro                                          |
| • KCI Technologies                       | • Veroha                                          |
|                                          | • WilmerHale                                      |

## Memberships, Partnerships and Awards

- 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
- 2012 East Region Azure Circle Partner of the Year
- 2014 Cloud Practice Partner of the Year
- Azure Managed Service Provider
- Azure Cloud Service Provider

## Microsoft Partner

Gold Application Integration  
Gold Application Lifecycle Management  
Gold Application Development  
Gold Collaboration and Content  
Gold Cloud Platform  
Gold Cloud Productivity



## WHO WE ARE

AIS (Applied Information Sciences) provides software and systems engineering services to government agencies and businesses across the United States. We specialize in cloud services, DevOps, custom application development and IT services. Our areas of expertise include: Microsoft Azure, Amazon Web Services (AWS), Office 365, SharePoint, Dynamics CRM, Software Development, Enterprise Mobility, User Experience (UX), Business Intelligence / Advanced Analytics & IoT, Operations & Support, and Help Desk Services. Our customers include a broad range of organizations from startups to Fortune 100 companies, state and local governments, as well as defense and national security agencies. Our analysis-driven approach to solving business problems – combined with our commitment to deadlines and budgets – results in successful projects and long-term relationships with our clients. We're a top-tier cloud partner for Microsoft, Amazon and Equinix with proven capabilities and a track record of success. Founded in 1982, AIS is a growing and privately-held company headquartered in Reston, Virginia, with offices in Maryland, North Carolina, Ohio, Texas and India. Please visit us at [www.aisteam.com](http://www.aisteam.com) to learn more about our full range of consulting services, ideas, solutions, and contract vehicles.

## CONTACT US

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