ICS
Cloud Services

ICS provides the full spectrum of Cloud Application Services, from Build, Design and Provision, to include Migration Services, and Application Management in multiple Cloud platforms to include Amazon Web Services, Microsoft Azure, IBM SmartCloud, and the Department of Defense milCloud environments.

MIGRATION SERVICES

Our migration services include the fundamental steps of Application Migration Assessment and Profiling, Migration and Transition, Optimize and Deployment, followed by Operations and Sustainment.
These steps are detailed in our ICS Whitepaper ICS Considerations for Cloud Project Planning.

ICS brings strong experience in Cloud Engineering, Systems Deployment and Life-Cycle Engineering on multiple contracts, most notably performance on the Forge.mil Omnibus Support Contract where our team of technical experts migrated relevant portions of the ecosystem to commercial and milCloud through application of our Agile processes and engineering disciplines to cloud computing. At contract start, the Forge.mil ecosystem consisted of production virtual machines in DISA capacity services and a similar environment in DISA RACE (Rapid Access Computing Environment). Our ICS software engineering team designed, architected, engineered, and built a Forge development and test environment cloud solution both in Amazon Web Services US-East and AWS GovCloud.

milCloud 2.0

ICS has been heavily involved in Forge's migration to new Department of Defense milCloud 2.0. According to milCloud 2.0 program officials, Forge.mil was the first program to achieve CPTC (Cloud Permission to Connect) for milCloud 2.0. Forge garnered high praise from the milCloud 2.0 team for being ahead of schedule. Due to ICS's skill, the Forge.mil program was the first application at DISA to have traffic routed through the milCloud 2 VDSS appliance. Forge's pioneering endeavors will enable DISA programs to migrate to milCloud 2 faster, thus helping them align with agency priorities.

The Amazon Web Services (AWS) environment has enabled the Forge.mil Integration team to execute 108 bi-weekly iterations, amounting to 9 quarterly releases and integrate 677 user stories since August 2014. We have decreased deployment time of features to production from quarterly to bi-weekly (an increase in velocity of 500%). Additionally, ICS software developers created a Puppet-based automated deployment process to construct Forge.mil environments. Utilizing this process, we reduced deployment times of a Forge.mil environment from approximately one week to under 30 minutes (a 99.7% decrease). Additionally, the process conducts security compliance actions of the machines to ensure proper security posture in the deployed cloud.

ICS engineered the security framework using industry-accepted Security Groups and ACLs, and by doing so, successfully obtained Interim Authority to Test (IATT) certifications under DIACAP and are successfully transitioning to an RMF Authority to Operate (ATO). ICS successfully migrated the Jenkins and Selenium test framework (over 5000 automated tests) into AWS with no loss of testing functionality. ICS also instantiated a code scanning framework (SonarQube) to scan Forge's >180,000-line code-base. ICS realized the following gains for the Government: decreased feature delivery times from 3 months to 2 weeks (an increase in velocity of 500%); and optimized cost savings from $35,000/month to $3,500/month (90%) while instantiating three environments in AWS instead of the one in RACE. ICS, Inc. conducted a risk assessment of the cloud solution and obtained a DIACAP Interim Authority to Test (IATT) and are pursuing an RMF Authority to Operate (ATO) via NIST Special Publication 800-53.

ICS can bring our expertise to support a wide variety of applications and cloud platforms. Integrated Computer Solutions, Inc. (ICS) is a full-service information technology and security consulting firm incorporated in the State of Alabama, with headquarters in Montgomery, Alabama. ICS is ISO 9001:2015 Registered and CMMI DEV/L3; VA Certified Veteran-Owned (VOSB) with a history of supporting Federal, State & Local, higher education and Fortune 2000 clients since 1997. ICS maintains a DCAA-approved cost accounting system. ICS has an approved TS Facility Clearance. Contact us at our website - https://www.icsinc.com/contact/.

Contact Us

877.ICS.INC9
334.270.2892

info@ICSInc.com
www.ICSInc.com

60 Commerce Street, Ste. 1100
Montgomery, AL 36104