Cloud & Platform Services (CPS)

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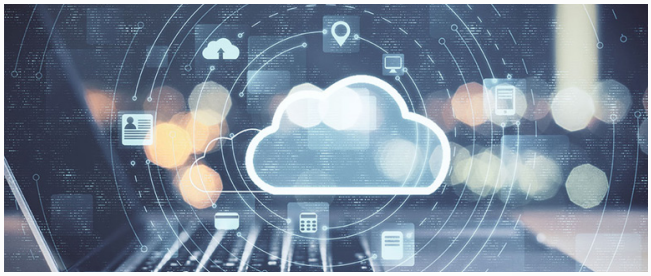
INCATech takes the guesswork out of complex cloud and infrastructure development endeavors. Irrespective of size, mission, and complexity INCATech will design economical, scalability, resilient, and economical solutions tailored to your requirements. Our expertise stretches across the core disciplines of cloud and platform computing to deploy cross-functional teams designing and delivering turnkey cloud solutions to support the operation, maintenance, migration, and modernization of existing systems. Our engineers pride themselves on their deep technical knowledge and their exact, hands-on, and certified skills.

Core Competencies

Because cloud computing is no longer new, several mature, core disciplines comprise most of the heavy lifting required to ensure project success. The same core competencies serve as necessary ingredients of success for virtually any greenfield project, cloud migration, and or IT modernization project.



Solution Architecture (SA)

A Solution Architect's unique contribution is to engage with the key stakeholders, properly frame the problem, consider all relevant enterprise architecture viewpoints, and design a right-sized optimal AWS or Azure solution. They will stay with the project from beginning to end and ensure its requirements and mission objectives are met.

DevOps

DevOps Engineering is a skillset essential to realizing the promise of cloud automation and delivering applications and services at high velocity. Our DevOps Engineers leverage rigorous source code control, and best cloud platform practices and tools to deploy Continuous Integration and Delivery (CI/CD) pipelines. As a GitLab Partner, INCATech offers the capability to kickstart a brand-new software development operation out-of-the-box.

SysOps Administration

Systems Operations and Maintenance is a crucially important activity once the system runs in Production. SysOps Administrator is an active role, responsible for monitoring system performance feedback, infrastructure integrity, and troubleshooting. Increasingly, SysOps is accountable for auditing & compliance. As the infrastructure-as-code trend accelerates, the SysOps role is also quickly evolving, requiring a deeper understanding of cloud platforms and hands-on coding.

Cybersecurity

Our CPS cybersecurity expertise includes Identity Access Management (IAM), secure VPNs, and secure application development. We offer a mature DevSecOps capability and knowledgeable staff to shepherd solutions through necessary accreditation processes required to mitigate risk and achieve Authority to Operate (ATO). Following our advice, we run our own corporate AWS footprint using best cloud practices.

Cloud-Native Software Engineering

Cloud-Native Software Engineering empowers organizations to build and run scalable applications in modern environments. Containers, service meshes, microservices, immutable infrastructure, infrastructure-as-code, and declarative APIs are examples of cloud-native technologies that enable resilient, manageable, and highly scalable systems. Whether implementing a next-generation search engine or a data platform, INCATech CPS offers a practical balance of Software Engineering and cloud-native implementation.

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QAS International ISO/IEC 27001:2022 REGISTERED COMPANY

ISO 9001:2015 SRI CERTIFIED

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11700 Plaza America Drive
Suite 320
Reston, Virginia 20190

Phone: (703) 391-1600
Solutions@INCATech-corp.com
INCATech-corp.com

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DevSecOps Implementation

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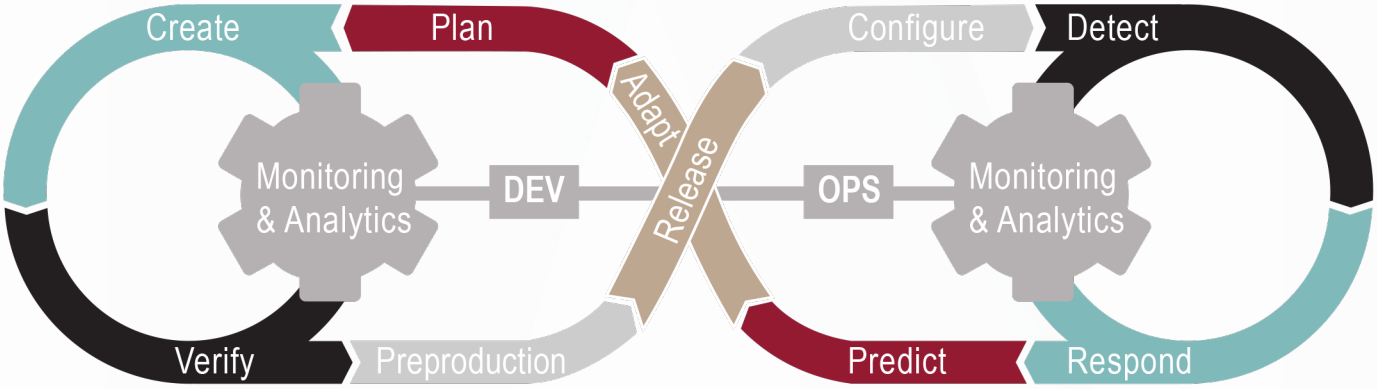
INCATech delivers security compliance and a strong security position by integrating security controls into the DevSecOps cycle in agile sprints throughout development. This approach includes dry run security testing, optionally continuous security control evaluation, and enables the team to quickly deliver security compliant software drops to operations.



Plan INCATech builds in security control requirements early in the DevSecOps lifecycle.

Create specific user stories in the agile process implementing security controls.

Verify INCATech uses dry run security testing before formal government security evaluation.

Preproduction integrated with identity management, enterprise auditing, and insider threat monitoring.

Release and execute frequent release drops delivering capability to operations iteratively.

Configure secure cloud services baseline with host and application containers already accredited. Start with a secure proven hardened cloud infrastructure early in the DevSecOps lifecycle.

Detect functional and security issues with automated monitoring infrastructure.

Respond with automated tools to respond to functional and security issues promptly.

Predict leverage analytics and trend analysis to improve performance over time automatically adding cloud service capacity to meet demand automatically.

Adapt cyber security controls and processes to changing threats and new Information Assurance Vulnerability Management (IAVM).

Monitoring & Analytics connect security control monitoring during development establishing evidence to support rapid Authority to Operate (ATO) decisions. Conduct functional and security monitoring with enterprise analytics to maintain high availability cloud services.

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