

# Cloud Migration for Security, Scalability, and Efficiency

Organizations require a holistic cloud strategy to promote innovation, manage security risks, and focus their business on what customers and their end-users value most. Therefore, their strategic partner must have a mature cloud framework predicated on experience, a foundation of real-world cloud solution delivery at scale, and a deep understanding of commercial and government cloud technology providers' strengths, weaknesses, roadmaps, security compliance, and innovations.

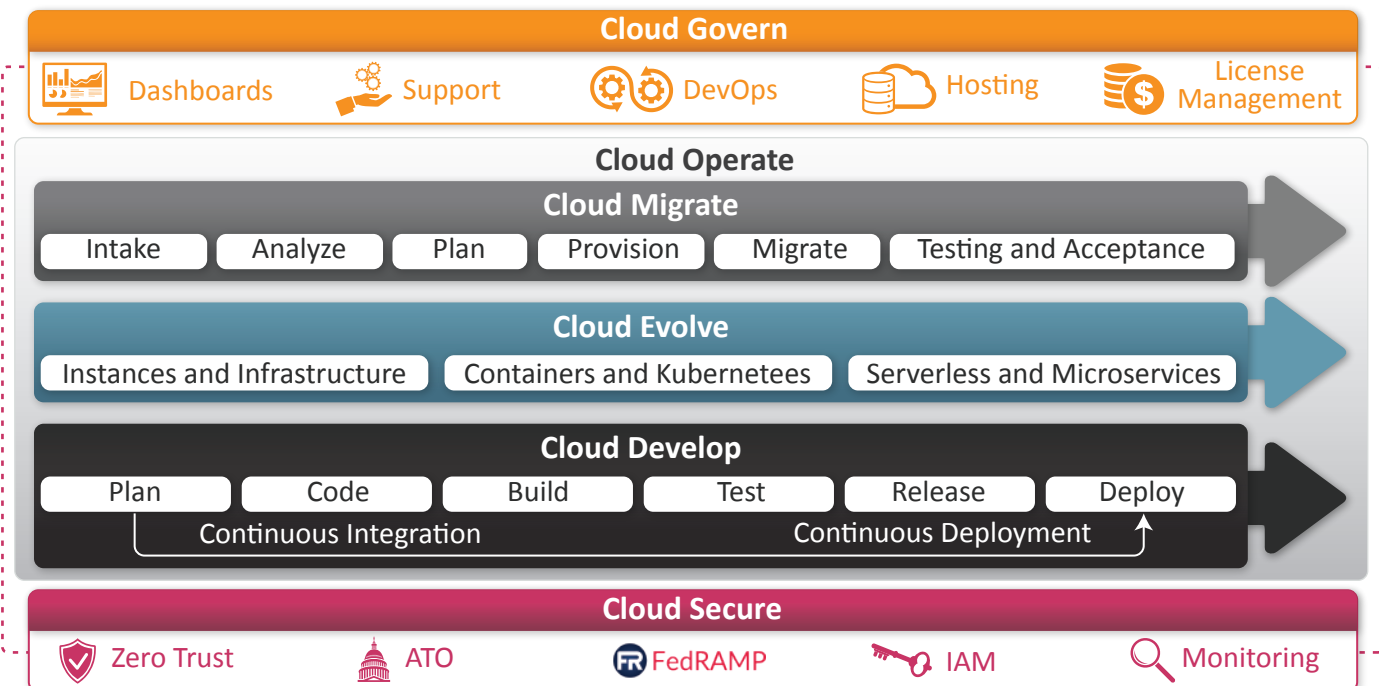
Cognosante's cloud offering provides a low-risk, strategic, technically advanced foundation to maximize our customers' cloud investments and strategic goals, affording them maximum partnership value from cloud. With our solution, government agencies can focus their efforts, resources, expertise, and dollars on value added capabilities and offerings built on a secure cloud foundation than can evolve as operations require.

## Cognosante Cloud Foundations

Cognosante Cloud Foundations (CCF) delivers across six core, proven strategic cloud tenets: Cloud Govern, Cloud Operate, Cloud Evolve, Cloud Develop, and Cloud Secure. Our CCF methodology is the result of our experience migrating existing solutions, developing new capabilities, evolving cloud hosted solutions, governing cloud strategy, and operating a complex set of cloud workloads. Using this approach, we've migrated legacy applications and developed/deployed new solutions to cloud environments for multiple federal and state agencies.

This approach empowers our customers to:

- Deliver business solutions faster and more efficiently without sacrificing compliance
- Reduce IT expenditures, benefitting from the scale of Cloud Solution Providers (CSP)
- Increase resiliency, agility, and elasticity for operational workloads supporting varying user populations
- Empower innovation by leveraging emerging cloud capabilities, and better deliver on their missions



## The Six Core Tenets of Cognosante Cloud Foundations

The CCF core tenets work together seamlessly and were developed from our delivery of large federal agency cloud strategies, tailored cloud innovations, key Cloud Service Provider (CSP) partnerships with Amazon, Microsoft, and Google; hybrid cloud/on-premise approaches, and deep cloud security institutionalization in CCF.

**Cloud Govern** – Delivers governance and strategy, predicated on large-scale cloud governance experience, and maximizing the inherited benefits from CSPs, FedRAMP, NIST, and other critical purveyors of critical cloud controls.

**Cloud Operate** – Plays a critical role in planning for, delivering, measuring, and continually improving on operational excellence in and across clouds. We deliver cloud operations leveraging our CMMI, ISO, HISTRUST, and FedRAMP expertise.

**Cloud Migrate** – Focuses on “forklifting” workloads, tailored solution refactoring, and ensuring operational security, regulatory compliance, and efficiency.

**Cloud Evolve** – Serves as a roadmap for adopting emerging cloud capabilities, such as natural language comprehension, artificial intelligence, machine learning, serverless architecture, and cloud elasticity, to continuously make the best of virtual infrastructure and extend the ongoing benefits to end users, stakeholders, and IT customers.

**Cloud Develop** – By marrying Agile/Scaled Agile methodology with DevSecOps, Cloud Develop focuses on building new cloud-optimized capabilities either from the ground up or as a decision to majorly refactor a legacy workload for full cloud adoption. Our expertise enables us to design, develop, deploy, and operate cloud solutions that leverage technologies such as serverless architecture, microservices, artificial intelligence/machine learning, and natural language processing.

**Cloud Secure** – Leverages broad NIST, FedRAMP, security architecture, and the ISO 20000 certified approach to information and cyber security.

## The Cognosante Difference

- Capable of cloud work at scale for large-scale organizations, using a proven model of success that’s repeatable and scalable; with experience across all cloud domains
- Partnerships with Amazon Web Services, Microsoft Azure, Google Cloud, and IBM for access to innovative enhancements, and to apply our expertise across commercial and government clouds
- Experts at maximizing our customers’ cloud investment
- Agile process approach that’s adaptive, responsive, and customer experience focused
- Setting the standard for government hybrid cloud migrations

## Contact Us to Learn More About How We...

- Successfully migrated a legacy medical record application for the federal government
- Are supporting the governance and strategic planning for hundreds of workloads for a large Federal healthcare agency
- Enabled a 50% cost reduction and halved network latency on several key Veteran-focused apps that were migrated to cloud infrastructure
- Offered a rapid migration of IaaS solutions while increasing reliability and resiliency by utilizing multi region and availability zone methodologies
- Implemented a 100% serverless cloud-based workload for eHealthExchange that has reduced spending by 80-90% versus IaaS cloud implementations
- Offer a fully automated Continuous Integration/Continuous Deployment pipeline for a nationwide, scalable health information exchange