COGNIZANT CLOUD STEPS TRANSFORMATION FRAMEWORK

THE PATH TO GROWTH
A comprehensive, tool-based framework speeds up the time to value for your cloud-enabled business transformation projects.

It’s accepted: the cloud is a powerful enabler of business transformation and innovation. Indeed, the question for many enterprises is not whether to shift to the cloud to realize its many benefits, but how to make the transition. The cloud ecosystem is complex, and the adoption journey can be difficult to navigate. There is no single path to the cloud—no one-size-fits-all solution. Each path is context-driven, and choices abound for those looking to migrate.

First up is the choice of service model: Infrastructure as a Service (IaaS), Platform as a Service (PaaS), Software as a Service (SaaS) and/or Business Process as a Service (BPaaS). Then there are the deployment options: public, private or hybrid. There are additional considerations, including the need for data privacy and security for regulatory compliance. The type of workload (anything from ERP and CRM to social and mobile) being moved to the cloud is another important variable.
THE PATH TO GROWTH

COGNIZANT CLOUD STEPS
TRANSFORMATION FRAMEWORK

ASSESS AND PLAN
We define cloud strategies and create a cloud migration plan.

SET UP
We set up a secure cloud environment based on workload requirements.

MIGRATE
We transition workloads to the cloud environment.

MANAGE
We manage the cloud-based systems, including service delivery.

1. How does cloud apply to our organization and what specifically can we move there?
2. How can we ensure that the cloud setup is right for us?
3. How can we make sure we migrate to the cloud smoothly and quickly?
4. How do we run and operate our cloud-based ecosystem?
In addition to all these possibilities, IT leaders face questions ranging from “How can our business benefit from the cloud?” to “How long will it take me to see value from the transition?” At Cognizant, we help companies cut through confusion surrounding the cloud and find answers to the questions that are most pressing and relevant to their needs. We help clients take the right steps before their leap to cloud-enabled business transformation. Then, with Cognizant Cloud Steps Transformation Framework—a comprehensive, tool-based solution that features the flexibility to integrate a client’s existing processes and ensure seamless transformation of applications—we help businesses dramatically speed up their time to value from the cloud.

**Simplify the journey to cloud, increase agility and realize tangible business value—faster.**

Built on optimized methodologies that enable rapid adoption, proven tools that ensure secure, performing, compliant and transparent services, and prebuilt solutions that address workloads, Cognizant Cloud Steps Transformation Framework offers the flexibility to build on existing processes while supporting public, private or hybrid cloud environments.

**THE PATH TO GROWTH STARTS WITH PROCESS**

We apply a proven transformation process that employs the right checks and balances as enterprises journey to a future-state cloud model. The process has four broad steps—Assess and Plan, Set Up, Migrate and Manage—which can be preceded by an initial cloud vision clarification workshop.

**Assess and Plan**

Here, we define cloud governance strategies, establish a detailed inventory of IT components, conduct a cloud suitability assessment for the candidate workloads, assess the financial viability of the cloud migration and create a cloud migration plan, along with a future-state cloud reference architecture.

**Set Up**

We set up a secure and compliant cloud environment based on workload requirements including identity and access management, connectivity and virtual network, and provisioning of virtual machines and storage, as well as extending IT Service Management (ITSM) processes to the cloud.

**Migrate**

We transition workloads to the cloud environment based on the chosen migration strategy. Options include re-hosting the workload to the cloud, as is, re-engineering the application for cloud, replacing the existing application with a cloud-based SaaS solution or integrating the existing application with a cloud-based system via service wrappers. We also conduct comprehensive post-migration validation testing at this stage.
Manage
We manage the cloud-based systems, including service delivery (provisioning, self-service, service level management, regulatory compliance, availability, auto-scaling and high-availability considerations, plus bursting, backup, failover, disaster recovery and security) and service operations (monitoring, orchestration and automation, auditing, access management, incident management, metering/chargeback and cost optimization).

An international telecom equipment company needed to convert its technology-based product into an offering that followed an on-demand consumption model.
We SaaS-enabled the product to modernize it and give our client the ability to offer it to customers at a lower TCO, while expanding their reach and providing the ability to onboard new customers faster and more efficiently.

Our proven approach employs the right checks and balances as enterprises journey to a future-state cloud model.
SOLUTION BLUEPRINTS ACCELERATE ADOPTION

Cognizant Cloud Steps Transformation Framework includes prebuilt solution blueprints that are designed to accelerate the adoption of cloud for specific workloads.

Blueprints for application migration

Application Transformation Blueprint
This pre-tested combination of tools and solutions can be applied to the building of cloud-first applications, migrating applications to the cloud and SaaS-enabling applications to an on-demand, consumption-based model.

SAP Cloud Blueprint
This option allows businesses to deploy SAP solutions to the cloud in both production and non-production environments, with performance verified against the same standards that apply to traditional IT infrastructures.

Blueprints for optimization of engineering processes

Engineering Cloud Blueprint
We apply continuous-delivery techniques in cloud-based development efforts to drive lean, agile and innovative software/application release cycles. This covers on-demand provisioning of test and development environments, code generation, application lifecycle management (ALM) and continuous integration and deployment, for example.

Operations Cloud Blueprint
This dynamic operations management framework improves service level agreement (SLA) performance in highly distributed IT landscapes. The areas addressed include incident management and issue resolution, service availability management, service performance management, patch management, and security and threat management.

Blueprints for driving business innovation

Mobility Cloud Blueprint
This blueprint expedites the transition to cloud-based mobile enterprise applications. The areas covered are mobile back-end services, integration services, application virtualization services, enterprise app stores and mobile device management (essential for bring-your-own-device strategies).

Collaboration Cloud Blueprint
We leverage the cloud to deliver modern collaboration solutions targeted at the modern-day millennial workforce. The areas covered are content management, social interactions and solutions for unified communications, project management and enterprise search.

Analytics Cloud Blueprint
This blueprint drives insights from data derived from disparate sources, delivered through cloud-based solutions. Diverse analytics paradigms, such as descriptive analytics, predictive analytics, prescriptive analytics, real-time analytics and sentiment analytics, are delivered via cloud, addressing core cloud services including authentication, security, syncing, data enrichment and transformation, integration, storage and notifications.

An engineering design company wanted to develop a Building Information Modeling platform to give building and facility owners greater insights into real-time building performance. Cognizant delivered a cloud-based big data analytics solution that resulted in financial savings of 10 percent.
MADE-FOR-THE-CLOUD TOOLS IMPROVE EFFICIENCY

We leverage best-in-class, in-house developed and third-party tools as applied in each cloud technology domain, covering cloud assessment, governance, migration and management of cloud-based systems.

Cloud Assessment Engine
This tool-assisted transformation analytics engine drives identification of optimal cloud strategies through automated discovery of workloads and their attributes, assessments to rate workloads for feasibility, economics and ease of deployment, intelligent capacity estimation for the targeted environment, and a phased cloud migration plan that governs the migration path.

Hybrid Cloud Governance Solution
This enterprise-ready solution addresses security and compliance, performance and availability, cloud automation, and process and policy guidance for the delivery of transparent services across on-premise and cloud-based environments.

Cloud Application Migration Foundry
This structured and repeatable “factory-based” approach to cloud migration adopts best-in-class engineering, operations and migration tools that increase the efficiency and productivity of the migration effort by up to 30 percent.

Hybrid Cloud Management
Powered by Cognizant Cloud360™, a single management layer enables one-click provisioning and automated metrics-driven policies, while offering 360-degree machine analytics.

OPTIONS FOR MULTIPLE CLOUD LANDING ZONES INCREASE FLEXIBILITY

One size does not fit all. We appreciate that industries, clients and business models differ, and so do their requirements. Accordingly, Cognizant Cloud Steps Transformation Framework fits whatever deployment model is best suited for your needs.

Cloud@Customer
This private cloud option entails building clouds within a customer-provided infrastructure, which may involve cloud technology offered by VMware, Citrix, Openstack, Microsoft or IBM, for example.

Cloud@Partner
Here, the infrastructure is provided by a third party that may rely on public or private cloud technology offered by Amazon Web Services, Windows Azure, Salesforce.com, Workday, Rackspace or IBM Smart Cloud.

Cloud@Cognizant
This involves Cognizant-hosted and managed best-in-class data centers that offer dedicated private cloud infrastructure and multi-tenant cloud infrastructure.

TAKING THE FIRST STEPS WITH COGNIZANT

As you look to the cloud for growth or business transformation, Cognizant can be your trusted partner. And with Cognizant Cloud Steps Transformation Framework, we can help simplify the transition to cloud-based infrastructures, platforms, applications and business processes.

Built on optimized methodologies, proven tools and prebuilt solutions that address a range of workloads and other requirements, our framework offers the flexibility to build on existing processes while supporting public, private or hybrid cloud environments.
LET'S TALK
Are you ready to leverage cloud for your business?
To learn more about Cognizant Cloud Steps Transformation Framework, contact us today at cloud@cognizant.com.

ABOUT COGNIZANT
Cognizant (NASDAQ: CTSH) is a leading provider of information technology, consulting, and business process outsourcing services, dedicated to helping the world’s leading companies build stronger businesses. Headquartered in Teaneck, New Jersey (U.S.), Cognizant combines a passion for client satisfaction, technology innovation, deep industry and business process expertise, and a global, collaborative workforce that embodies the future of work. With over 75 development and delivery centers worldwide and approximately 187,400 employees as of June 30, 2014, Cognizant is a member of the NASDAQ-100, the S&P 500, the Forbes Global 2000, and the Fortune 500 and is ranked among the top performing and fastest growing companies in the world. Visit us online at www.cognizant.com or follow us on Twitter: @Cognizant.