





Modern by design. Optimal by cloud.

Technology trends in government

	Increase in public demand	Increase in public demand requires many public services to be quickly modernized
	Combining technologies	Combining cloud, cognitive technology, and digital reality to improve user experience
	Shifting to no-ops	Abstracting IT environments from the underlying system, for task automation
	Developing cost-neutral approaches	Shift to techniques like low-code/no-code, intelligent business rule discovery, and core mapping

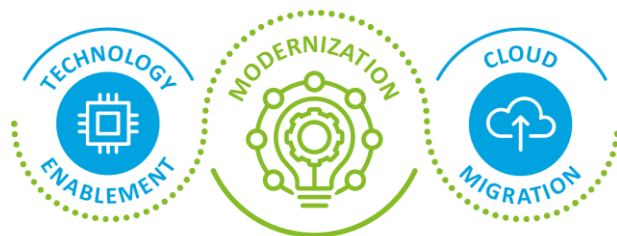
Deloitte understands government

Deloitte's 15,000+ government and public services professionals **understand the unique challenges public sector clients face**. We have the insights and resources to understand recent trends and opportunities within public sector.

Choose your own path. Deloitte can help guide.

There is no one size fits all approach to modernizing your enterprise assets. **We provide two overarching approaches** that can be **tailored to fit your needs** in any combination: **one-time Lift and Shift**, and **Incremental Modernization**.

Each of our approaches involve technology enablement for cloud readiness, and cloud migration.



Our **Life-Cycle Cloud Strategy** is the process Deloitte professionals use to focus on enabling and supporting you through planning, execution, and migration to cloud. Instead of fitting your needs to our approaches, we structure our approaches around your starting point. Through this strategy, we focus on how cloud infrastructure and services can be utilized to **support your mission need**, increase technological agility, and reduce your long-term cost of ownership. Our team uses application server modernization and database modernization accelerators to help minimize operational and cost overhead.

Key objectives for governments

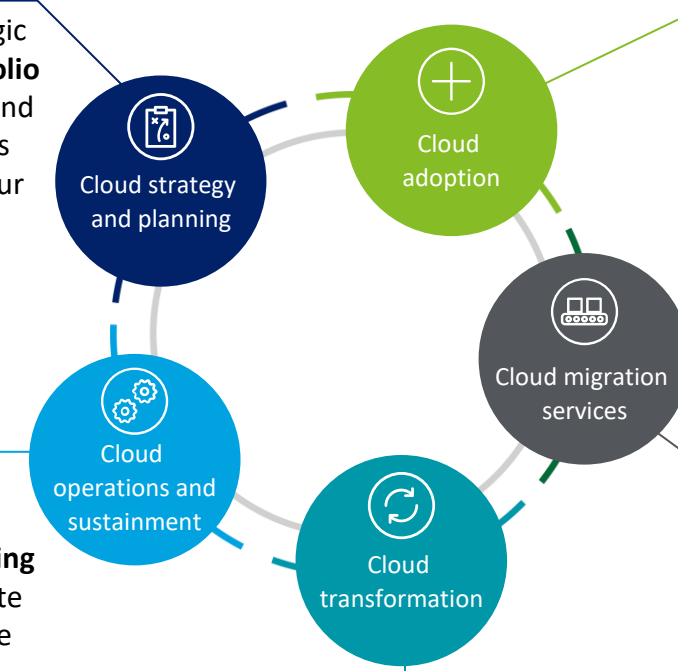
- Cost savings (Clear ROI)
- Promise of secure information/secure infrastructure
- Modern redesign of legacy systems
- Talent with cloud tool skillsets

What citizens want

- Immediate and constant 24/7 access to information and services
- Fast, reliable, scalable services
- Brand of trust and satisfaction
- Access content from a single point of contact
- Modern user experience (Current designs—business agility)

Life-cycle cloud strategy

Deloitte provides strategic services such as a **portfolio suitability assessment** and process accelerator tools to guide you through your cloud journey with **data driven decisions**.



Deloitte helps you determine which cloud service provider(s) are right for your technology landscape. **Our center of excellence** provides **continuous integration and deployment** of cloud services which can help enhance your responsiveness to change.

Cloud operations is process of **continuously monitoring and improving your application**. Deloitte will help you develop the most efficient operating model to enable resiliency, reliability, and cost effectiveness.

Deloitte can help guide you to **install a DevSecOps culture, rehost and rearchitect application** to take advantage of resilient and reliable cloud architectures including **container based and serverless designs**. We will utilize the latest tools and technologies to gain insights into your enterprise ecosystem and help you take Cloud Transformation journey that is right for you

Deloitte employs a **cloud migration factory** approach to **design, develop, and integrate cloud solutions** that can maximize the benefits of cloud computing and rationalize the business case for cloud migration.

Deloitte's modernization approach

Sample journey path 1: Lift and Shift

Our Lift and Shift approach can be useful when on-premise infrastructure maintenance is expensive. In this case, a simple Lift and Shift of all the underlying as-is infrastructure to the Cloud can quickly result in big cost savings. Using Lift and Shift approach, you can rapidly migrate your applications to Cloud, create new opportunities and be well-positioned for continuous optimization.

Cut infrastructure costs



Fast transition to cloud



Easy to plan and execute



Maryland needed to overcome the limitations of a costly, slow, and aging on-premises IT infrastructure. The state significantly re-platformed or completely rewrote existing applications to maximize the use of cloud services and cloud-native methods. An integrated and unified cloud platform was designed and developed, which migrated Infrastructure services to AWS using an Outside In approach. The Lift and Shift approach prioritized the elimination of physical hardware, providing the desired flexibility and scalability offered by Cloud hosting solutions. This virtual migration satisfied the immediate need to improve business continuity and disaster recovery capabilities while offering additional time to assess cloud-native technologies and vendors for application hosting.

Sample journey path 2: Incremental modernization

The Incremental Modernization approach lets you focus on parts of the application for cloud readiness. Existing software products are containerized into autonomous components using microservices, replaced with cloud-friendly technology and migrated to the cloud. Incremental Modernization also supports containerizing enterprise shared services functions such as security, analytics, correspondence, document management, etc. Our team brings a range of pre-built, microservices-enabled, scalable, and configurable solutions to accelerate implementation timeline and reduce implementation risk.

Take full advantage of cloud platforms



Increase scalability and availability



Cost optimization



Colorado faced a rising state population and workload demand on the states systems. Furthermore, infrastructure costs are rising, application UI/UX are strained, and browser and mobile support is limited. We enabled Colorado to first migrate over their core business applications to Salesforce followed by their legacy infrastructure to AWS. This method of incrementally modernizing first taking advantage of cloud-native software features to realize the fundamental, long-term benefits of cloud adoption. Colorado achieved a robust long-term solution as well as reduction in infrastructure costs, increased operational efficiency, enhanced user experience, and improved security.



Take the journey together

Innovation, transformation, and leadership occur in many ways. The ability to solve complex issues is critical. Together, we can help you imagine, deliver, and run your business, wherever your mission is, on the cloud using the latest technologies.

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