



CMMIDev/3, ISO 9001, 20000, 27001

# Cloud Capability & Past Performance



## Overview

As an early adopter of cloud technology with federal and private technical cloud broker experience, SpinSys understands that cloud hosting is a historic opportunity to leverage innovation yet oftentimes often viewed as a threat to traditional alternatives.

Have your head in the cloud, but are unsure of business value, approach to optimize, or how to migrate your current solutions? SpinSys can help you get your feet off the ground and achieve cloud-based operations as we've done for others who had similar concerns. Our team of cloud practitioners provide engineering life cycle support for optimal cloud utilization by facilitating architecture, security management, and governance of client solutions within cloud eco-systems.

## Business Value

SpinSys has provided detailed business case development with analysis of alternative hosting options including customer-owned data centers, outsourced services, Amazon Web Services (AWS), and other cloud offerings. We methodically and quantitatively assessed each alternative for risks and benefits associated with migrating from on-premises to another environment, exit capability to subsequently migrate to a future hosting environment, migration cost, and sustainment costs.

Our objective analysis was tailored to meet organizational objectives for infrastructure hosting without bias toward current or most fashionable alternatives to ensure effectiveness, efficiency, and lowest total cost of ownership for infrastructure assets. Supported by cost calculators, assumptions lists, benefits assessment, risk matrix, and infrastructure rements comparison, our business case serves as a foundation for future evaluations of business value.



Ensure effectiveness, efficiency, and lowest total cost of ownership



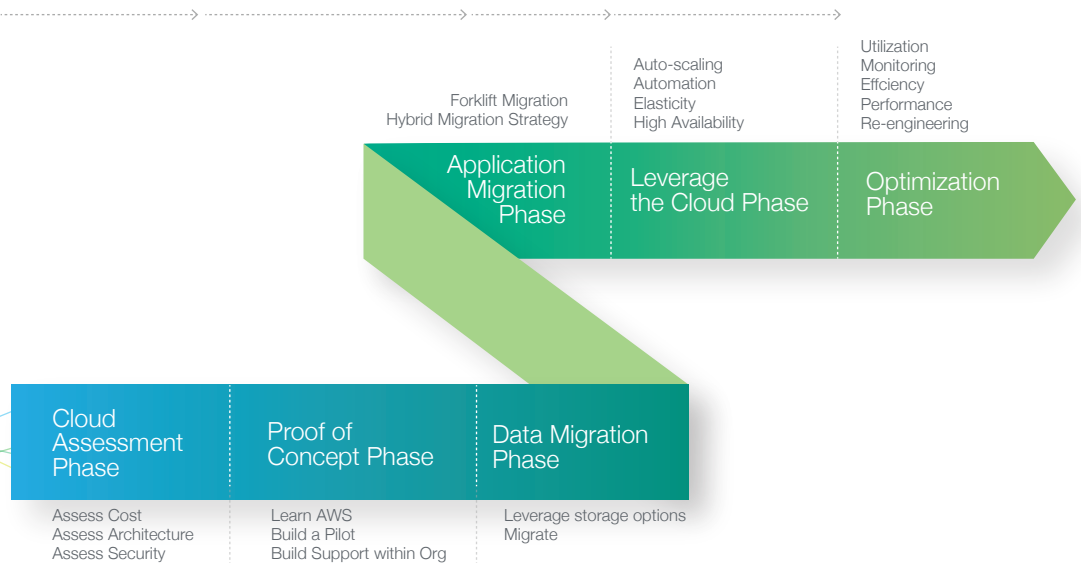
## Cloud Optimization

Our expertise with design and provisioning of cloud native resources contributed to the establishment of the Defense Health Agency (DHA) cloud access point (CAP) with host network and boundary protections via Virtual Data Center Security Stack (VDSS), Virtual Private Cloud (VPC), and application-level and data access security via Virtual Data Center Managed Services (VDMS) functionality. Leveraging AWS CloudTrail, CloudWatch, and VPC flow logs, we implemented a secure architecture with appropriate coordination and oversight by the Cyber Security Service Provider (CSSP) for continuous monitoring in near real-time of applications to safeguard data.

The Authority to Operate (ATO) for the CAP combined with the accredited managed services organization (MSO) security controls

enabled the first DHA cloud use of Information Impact Level (IL) 4 data with protected health information/personally identifiable information (PHI/PII). This established the migration and accreditation pathway for other solutions to leverage AWS elastic compute and store capabilities with cybersecurity controls inheritance. Our support accelerates the DHA cloud first strategy and adoption via “first of its kind” options for cloud and/or hybrid hosting, eliminating the cost associated with on-premises technical refresh and storage increase requirements. Mission critical solutions are securely hosted with proactive scalability and elastic capacity to efficiently meet mission surge, on demand, and fiscal responsibility without potentially unnecessary or reactive infrastructure investments.

## The SpinSys Cloud Migration Process





## Data Migration

SpinSys provides a comprehensive range of cloud services including stabilizing and migrating legacy enterprise applications to the cloud, developing migration plans and roadmaps, refactoring applications to take advantage of cloud features, and developing new cloud-based options to migrate solutions into the public or private cloud. Our cloud engineers have provided data migration services with transfer integrity for onboarding solutions in support of Go Live into the production environment. We ensure minimal downtime of solutions with a seamless cutover from on-premises to cloud-based operations as part of our comprehensive life cycle support.

Our cloud practitioners have created and initiated execution of the strategy with a detailed roadmap to migrate the Military Health System (MHS) Information Platform (MIP) from the on-premises enclave to AWS GovCloud for enhanced compute and store efficiency, interoperability, and total cost of ownership. The strategy shifts dependencies and limitations of a capital expense (CapEx) model with lump sum funding for “if needed” requirements at predefined technical refresh cycles to an operational expense (OpEx) model leveraging Infrastructure as a Service (IaaS) for “as needed” resources appropriately tailored, consistently upgraded, and on demand.

Our roadmap methodically migrates the enterprise data warehouse (EDW), operational data store (ODS), Agile Core Services (ACS) interoperability, infrastructure tools, and end-user solutions. Our plan provides timely AWS migration for the MIP as an Acquisition Category (ACAT) IAC program of record to support DHA's enterprise data archive and retention for legacy systems replaced by the Cerner electronic health record (EHR) implementation MHS GENESIS. SpinSys MIP cloud support is fortified by our early and continuous ACS underpinning of MHS GENESIS proliferation. We supplement Cerner EHR deployments to provide uninterrupted data flows via real-time/near-real-time HL7 messages to downstream consumers (e.g., medical readiness applications), enabling continued availability of health data for subsequent use and successfully mitigating the data gap risk introduced as EHR interfaces evolve from legacy to next generation solutions.



We provide real-time/near-real-time data to downstream consumers



## Summary

SpinSys is a vendor-agnostic provider of private and public cloud migration of legacy applications uniquely poised to help you leverage cloud native resources, integrate your solutions with cloud-based applications, and securely utilize cloud hosting.

Whether the first step or the next step on your cloud journey, contact SpinSys to remove uncertainties, ease your transition, and enhance your cloud-hosted operations.

Let's Talk  
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