

# SPINSYS CLOUD-BASED SOLUTIONS



CAN SAVE YOUR COMPANY BOTH  
**TIME AND RESOURCES.**



## HOW WE HELP

**SpinSys** is an integrated solution provider for creating private and public cloud solutions for enterprise applications. As a technology integrator, we provide value added experience and services above and beyond what is offered directly by public cloud providers such as Amazon or Google.

**SpinSys** provides a comprehensive range of cloud services including stabilizing and migrating legacy enterprise applications to clouds, developing migration plans and roadmaps, refactoring applications to take advantage of cloud features, and developing new cloud-based systems as needed. By offering a range of integration services and options to migrate legacy applications into a public or private cloud, we enable our clients to design hybrid solutions that meet their precise needs for security, collaboration, and virtualization.

With our pay-as-you-go pricing and on-demand delivery of IT resources and applications via the Internet, **SpinSys Cloud Solutions** can help your business with:

- **Reducing Infrastructure Cost**

Cloud-hosted applications reduce deployment and operational costs by elastic resource sharing across multiple applications.

- **Scalability**

Cloud-based applications can scale in response to an unplanned transactional volume without costly downtime for an infrastructure upgrade. You can only pay when you consume computing resources, and only pay for how much you consume.

- **Agility**

Instead of going through the usual procurement channels to provision a new computing environment for your applications, you can upgrade capacity with a few key clicks.

- **Going Global**

Easily deploy your application in multiple regions around the world with just a few clicks. This means you can provide a lower latency and better experience for your customers simply and at a minimal cost.

## BENEFITS OF THE CLOUD

**SpinSys** has successfully deployed complex cloud-based solutions for both commercial and federal customers and is partnered with Cloud computing industry leaders including Amazon, Google, and Microsoft. With in-depth experience in Amazon Web Services based cloud offerings, **SpinSys** is an Amazon technology partner with AWS certified professionals specializing in the stabilization and modernization of legacy applications as they transition into the cloud.

### Cloud Assessment Process



**SpinSys** uses our proven agile engineering methodology to conduct a cloud-computing assessment and perform design, development, implementation, and ongoing managed operations in the cloud.

### Cloud Integration Services



As a vendor agnostic provider of private and public cloud migration of legacy applications, **SpinSys** is uniquely poised to help you integrate your solutions with cloud-based applications.

### Cloud Migration



**SpinSys** provides a full range of cloud services including migrating applications to clouds, developing migration plans and roadmaps, refactoring applications to take advantage of cloud features, and developing new cloud-based systems as needed.

**Contact us today to learn how we can bring the advantages of a secure cloud deployment to your enterprise.**

## Case Study: Referral Management System

**SpinSys** developed the Referral Management System (RMS) for the U.S. Military Health System (MHS) to allow expedited and reliable referral services between doctors and health insurance providers.

The current referral process depends on phone and fax exchanges and often creates communication breakdowns that can lead to delayed diagnosis, unnecessary testing or poor continuity of care. **SpinSys** developed RMS as a service oriented messaging system that handles all Medical Treatment (MTF) to Managed Care Support Contractor (MCSC) for Department of Defense (DoD) health insurance provider referrals and Right of First Refusal.

RMS works in conjunction with Integrated Clinical Database (ICDB) to provide paperless medical referrals from the MHS sites. COHORT provides the bridge between the all-electronic fax referral from the ICDB sites and the Public Switched Telephone Network (PSTN) through a single fax services provider as well as system secure XML services.

Communication between ICDB, COHORT and the fax service providers are accomplished using industry-standard web services over secure connections. In addition to the fax transmission, providers that have the capability will use secure XML transmission.

**SpinSys** successfully migrated the RMS application from a client-server framework, running on U.S. Air Force infrastructure, to the AWS Cloud Platform. We used the following proven **Incremental Agile Methodology** for lowest risk and fastest delivery:

### Highlights and Benefits of Referral Management System

- **Manage, track and complete** referrals online with minimal infrastructure.
- **Increase** operational efficiency by minimizing lost referrals.
- **Improve** care outcomes with automated data exchange.
- **Identify** referral and usage patterns.

#### 1 Cloud Assessment Phase

- Assess cost
- Assess security
- Assess architecture

#### 2 Proof of Concept Phase

- Learn AWS
- Build a pilot
- Build support within the organization

#### 3 Data Migration Phase

- Leverage different storage options
- Migrate

#### 4 Application Migration Phase

- Forklift migration
- Hybrid migration strategy

#### 5 Leverage of the Cloud Phase

- Auto-scaling
- Automation
- Elasticity
- High availability

#### 6 Optimization Phase

- Utilization
- Monitoring
- Efficiency
- Performance
- Re-engineering

## SpinSys Results:

The modernization solution provided by **SpinSys** was delivered in multiple phases. The initial phase allowed for automation and migration to a SOA based fax delivery system. In subsequent phases, **SpinSys** worked closely with health insurance providers to transition from a fax based to a pure Service Oriented/messaging based system.

- AWS allowed for access to durable, available, and US persons only controlled storage that met data security requirements and scaled as the solution grew.
- AWS GovCloud (US) Region include all categories of Controlled Unclassified Information (CUI) including ITAR, as well as Government oriented publicly available data.
- Due to elasticity of AWS web application services, we could simply remove resources when the demand subsided, ensuring high asset utilization and cost-effective web application.
- AWS permits requisition of compute, storage, and other services on demand, gaining access to a suite of secure, scalable, and flexible IT infrastructure services.

## LET'S TALK!

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