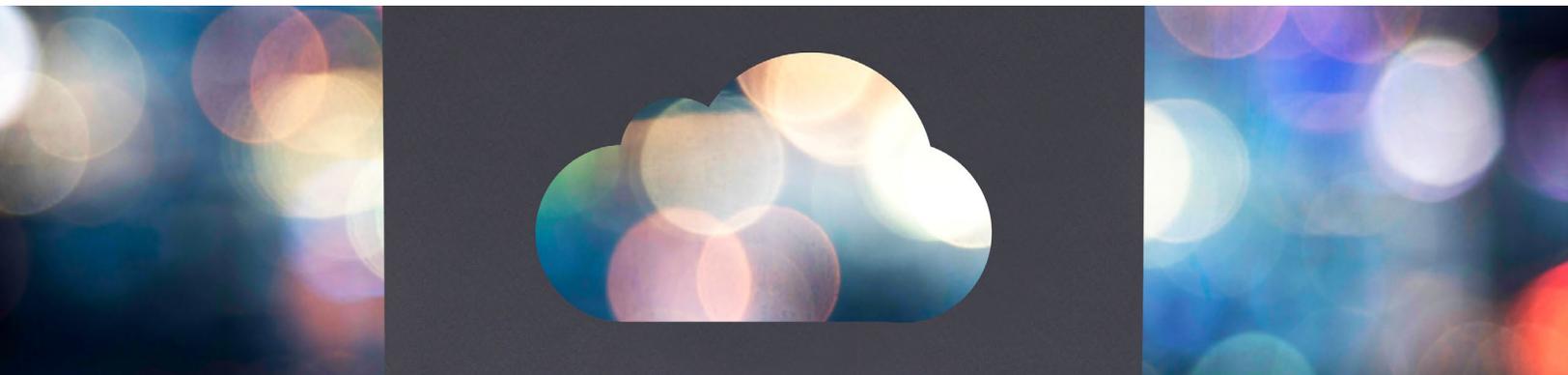# CALSAWS MIGRATION: NAVIGATING TO THE CLOUD

The CalSAWS platform is perhaps North America's first cloud-based integrated eligibility system. The CalSAWS' AWS-based cloud environment will enable the counties to build a resilient architecture, ensure faster provisioning of services, and have the ability to scale quickly.

Key challenges

Defining and executing the right support services to manage the cloud environment will be a key challenge for the counties as they transition to the CalSAWS system.

The following areas will require specific focus to successfully manage the changes related to a cloud-based environment.

- **System monitoring** – Verify the security and performance of cloud resources and data. AWS offers a few tools but counties may need to adopt third-party tools to do this depending on their unique requirements.

- **Cost optimization** – Identify the right tools to optimize processes and cost, aligned with business requirements. For example, counties may reserve instances on RDS or EC2 to reduce cost.

INFOSYS CLOUD MANAGEMENT SERVICES TO NAVIGATE THE CALSAWS MIGRATION

To maximize the benefits of the cloud ecosystem, Infosys will work with your county to ensure that its cloud-based system adheres to the five pillars of the AWS Well Architected Framework:

1. **Operational Excellence** – Run workloads effectively on the cloud and enable continuous improvement through activities like the implementation of small, reversible changes, the refinement of operational procedures on a regular basis, and the prevention of failures.

2. **Security** – Protect data, systems, and assets through the implementation of a strong identity management foundation, application of security at all layers, traceability, protection of data in transit and at rest, and readiness for security events.

3. **Reliability** – Operate and test the workloads throughout their lifecycle in a consistent manner through test recovery procedures, automated failure recovery, horizontal scaling, and change management.

4. **Performance Efficiency** – Use serverless architecture and democratize advanced technologies to meet changing policy, business, and technology imperatives, ensuring optimal use of computing resources.

5. **Cost Optimization** – Run systems to deliver business value at the lowest price point by practicing effective cloud financial management, analyzing and attributing expenditure correctly, and measuring efficiency on a continuous basis.

Write to **Brian.Bennett@infosys.com** to learn how your county can navigate cloud management as it migrates to the CalSAWS system.

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