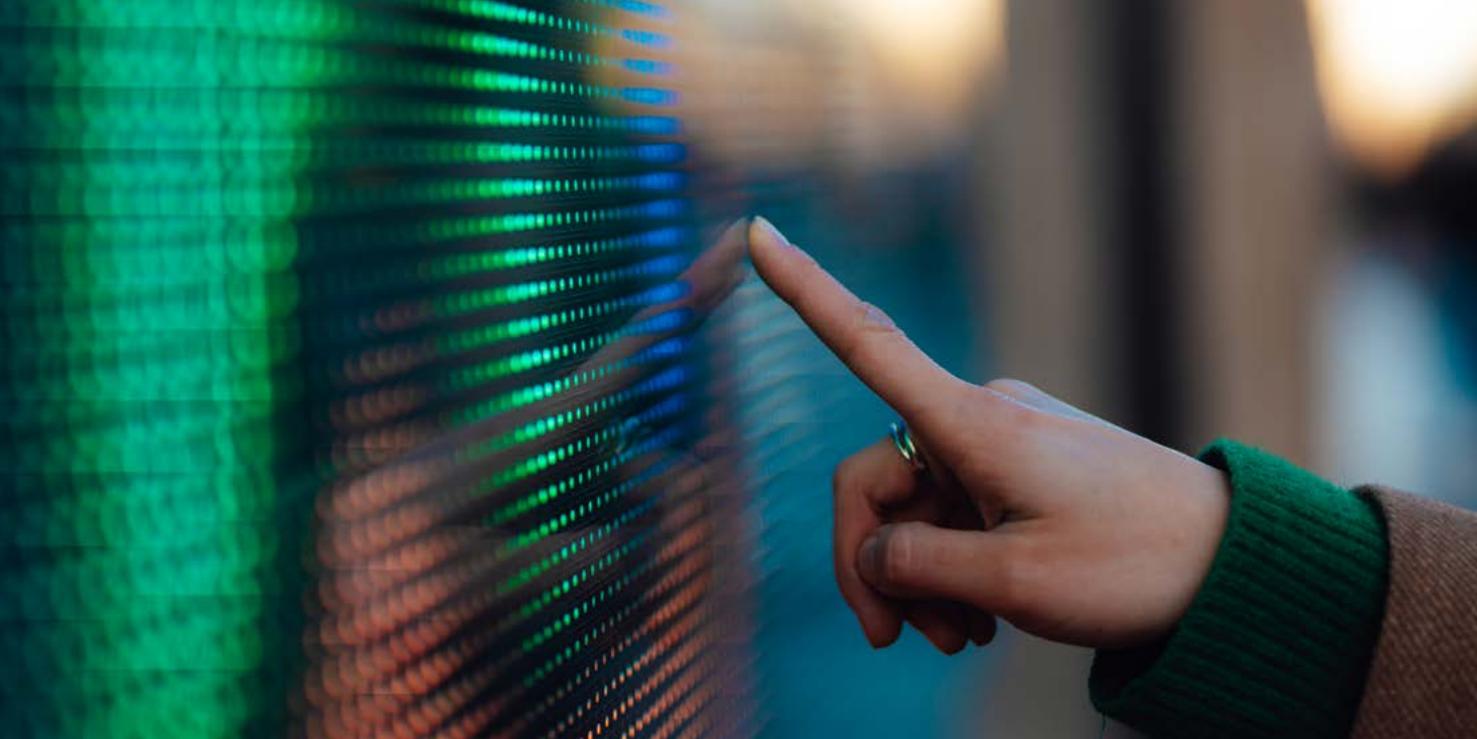




# Security led *Cloud Migration with AWS*

Enabling your safe journey to the cloud



Moving to the cloud is key to staying competitive and unlocking innovation—but without security, your cloud migration could expose your business to serious risks. Modern cyber threats like ransomware, data breaches, and misconfigurations in target cloud environments often turn migrations into costly vulnerabilities.

Capgemini's **Security Led Cloud Migration Service (SLCM)** ensures your applications and data are protected every step of the way, reducing the risk of disruption and not meeting compliance requirements. Security isn't an add-on—it's the foundation of a successful cloud journey. When done right, migrating to the cloud not only supports innovation but gives organizations the opportunity to improve their overall security posture through improved visibility, automation, and modern threat protection.

## What we offer

It's no secret that migrations and transformation must move at the speed of your business. The question is how these migrations can be executed without risk of delay. That's why we've partnered with AWS and key strategic technology partners to create **Security Led Cloud Migrations**—our zero-trust, secure design approach built for one of the most critical factors in transformations: **migrations**.

## The challenge

We consistently see the same challenges holding back successful cloud migrations: security gaps that introduce risk, compliance concerns that delay progress, and a lack of alignment between business objectives and technical execution.

Securing sensitive data, managing identities, and maintaining visibility across hybrid or multi-cloud environments is not an easy task. Without a structured approach, migrations often lead to misconfigured workloads, inconsistent policy enforcement, and exposure to cyber threats. These issues not only threaten compliance standards, but increase the likelihood of costly disruptions, reputational damage, and missed business opportunities.

## Our solution

**The Security-Led Cloud Migration (SLCM)** service is designed to help businesses migrate securely and confidently, embedding security and compliance into every step of the journey. We bring together people, processes, and technology to create a secure migration framework aligned with the NIST Cybersecurity Framework, hyperscaler best practices from AWS, Azure, and Google Cloud, and our own expertise.

Starting with an assessment of your current environment, SLCM defines the right migration strategy—whether rehost, re-platform, or refactor—while establishing baseline controls for security, compliance, and operational needs. Our Zero Trust approach ensures robust identity, access and workload protection throughout the process. Security controls are not an afterthought; they are continuously monitored, tuned, and validated with automation and policy enforcement.

As workloads move into production, these controls—including compliance checks and reporting—are handed to your operational teams to promote long-term protection and audit readiness. With SLCM, you achieve faster, safer migrations that reduce risk, ensure compliance, and enable your business to innovate with confidence in the cloud.

# How each partner contributes to client-value creation

Our partnership with AWS, DevOps, and Zentara equips us with the expertise to deliver successful cloud migrations. Together, we remain committed to risk management while each partner provides their value-adds.



AWS implements a comprehensive security framework leveraging CSPM and AWS Security Hub. AWS Security Hub streamlines security operations through automated, ongoing best practice checks against customers' AWS resources, helping to identify misconfigurations and aggregate security alerts. Combined with CloudTrail's detailed API activity logging and auditing capabilities, and AWS Config's compliance-as-code approach, these security building blocks work together to provide continuous monitoring, robust protection, and compliance.



Devo's security data platform provides scalable, real-time security analytics, delivering the visibility and intelligent automation needed to detect, investigate, and respond to threats effectively. This enhanced visibility and automation streamlines security operations and reduces analyst workload.



Zentara enhances migration planning by providing essential security controls to protect access and secure data flows during cloud migration. This means only authorized users and services can interact with workloads, reducing the attack surface risk exposure from day one.

## The process

- 1 Secure assessment and planning**

Evaluate current architecture, workloads, and security posture. Define migration type and assess compliance needs.
- 2 Secure architecture & design**

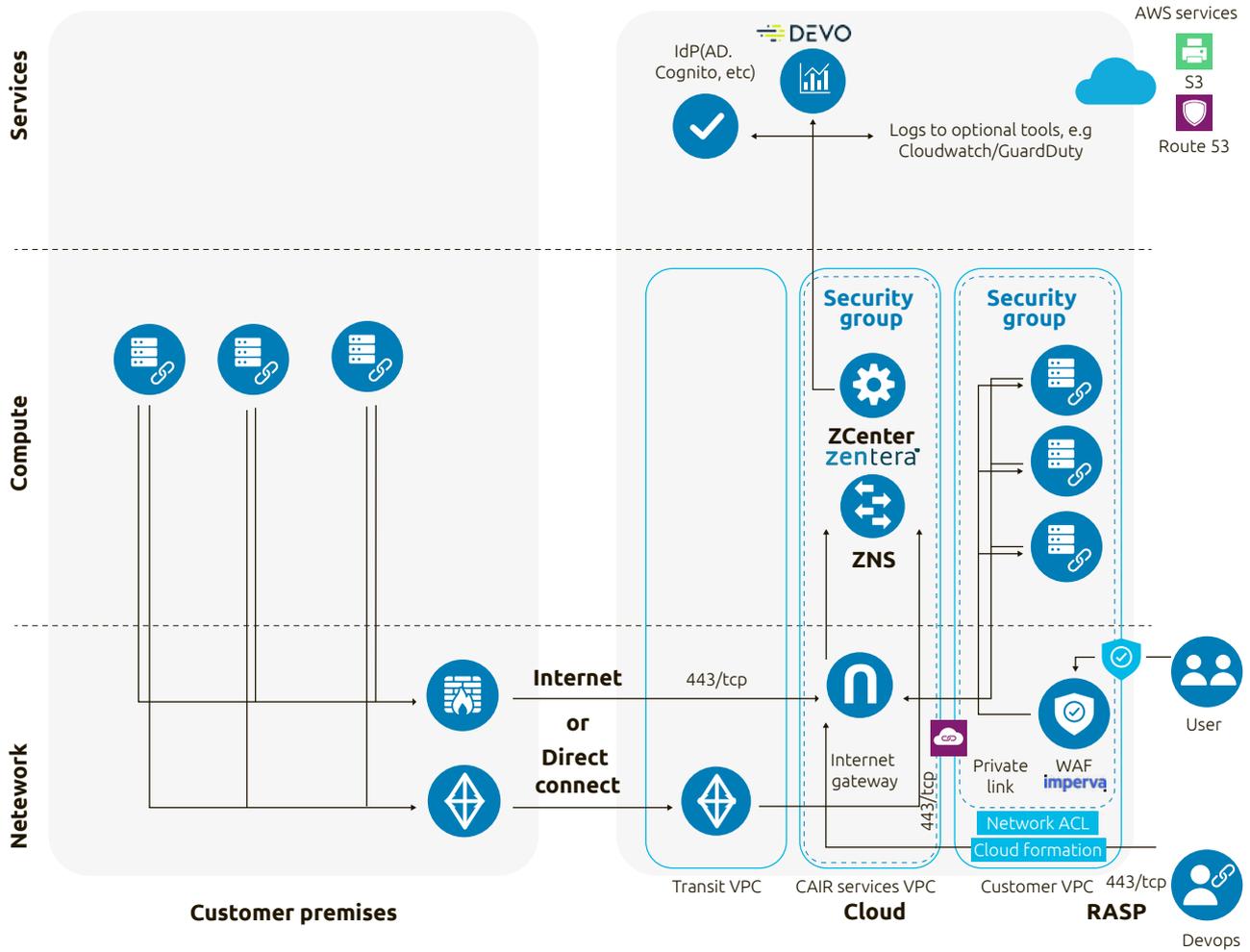
Develop secure migration architecture using Zero Trust principles. Establish baseline security controls and integrate best practices from AWS, Capgemini, and partners like Zentara and Devo.
- 3 Policy enforcement and control integration**

Embed identity, access, network, and workload protections. Configure security monitoring, automation, and policy enforcement across migration stages.
- 4 Secure execution and migration**

Carry out the migration with continuous security oversight. Apply segmentation, access controls, and threat detection during workload transition.
- 5 Post-migration security handover and optimization**

Handover security controls, monitoring dashboards, and compliance reporting to operational teams. Enable continuous improvement and adaptive policy tuning.

# The outcome



## Client benefits

- Accelerated cloud adoption with reduced risk
- Enhanced data protection and compliance
- Improved visibility and control
- Stronger cybersecurity foundation
- Future-ready, secure-by-design cloud operations

## Connect with us

Don't let security risks hold back your cloud ambitions. With our Security-Led Cloud Migration (SLCM) service, you can move your critical applications and data to the cloud securely, efficiently, and in full alignment with compliance standards. Contact us now to get started.



## About Capgemini

Capgemini is a global business and technology transformation partner, helping organizations to accelerate their dual transition to a digital and sustainable world, while creating tangible impact for enterprises and society. It is a responsible and diverse group of 340,000 team members in more than 50 countries. With its strong over 55-year heritage, Capgemini is trusted by its clients to unlock the value of technology to address the entire breadth of their business needs. It delivers end-to-end services and solutions leveraging strengths from strategy and design to engineering, all fueled by its market leading capabilities in AI, generative AI, cloud and data, combined with its deep industry expertise and partner ecosystem. The Group reported 2024 global revenues of €22.1 billion.

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