



Rapid insights into your custom-developed applications for faster modernization to/on AWS

CAST Highlight



1-min demo

Automatically creates a migration & modernization plan for 100s of applications. Four mig & mod waves, R disposition, cloud maturity, cloud blockers, remediation effort estimates, recommended AWS native services, .NET and VMware dependencies, technical debt, opensource risks, sustainability

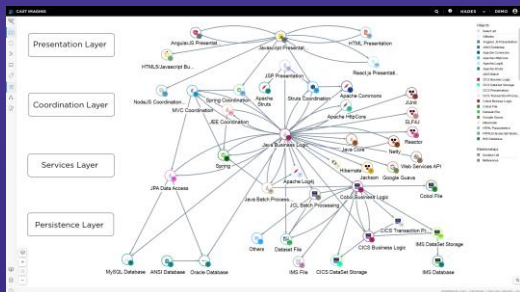
Get out of migration & modernization “analysis paralysis”

- Factual, accurate, actionable insights on 100s of apps in 1-2 weeks
- Derived from looking “inside” applications, in-depth, deterministically
- Non-intrusive: production untouched, code never leaves customer repos

Supports most AWS modernization pathways thanks to coverage of 50+ languages, 12+ databases, 100s of frameworks

- Company/LoB-wide mig & mod
- VMware to cloud native
- Containerization
- Microsoft modernization
- Mainframe modernization
- Multi-tech modernization
- Database modernization
- Mono-to-micro fragmentation

CAST Imaging

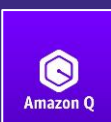


1-min demo

Automatically reverse-engineers the architecture of a complex application & database system.

Helps architects and developers to understand the current architecture, make impact analysis, speed up and de-risk modernization strategy.

CAST for AWS page



Combines with Amazon Q Developer : Transform



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AWS Services Partners, AWS teams

Get CAST software & services fully funded by AWS*

- Speed up the Assess phase: migration & modernization planning 3x-4x faster
- Convert to more Migrate & Modernize phases thanks to data building confidence
- Show a modernization path when plain lift-and-shift not wanted or to modernize on IaaS
- Better size and de-risk SOW, get productivity gain, execute >25% faster

Simple! Just add CAST to your ACE/Salesforce opportunity

AWS Partner page

AWS internal page

* Subject to post-modernization ARR >\$125k, stackable with MAP and other AWS benefits

AWS+CAST App Modernization Case Studies



HR ISV in NAMER

Microsoft Modernization

Challenge

- Customer wanted to modernize an application of 2 millions lines of code on .NET and other technologies already running on AWS.
- *“The application is a **black box** for others than the engineers who originally worked on it.”*

Solution

- CAST Imaging automatically generated a detailed architecture map and detected dependencies in **1 week instead of 10 months** by 2 senior experts manually to *“identify how to break the monolith in a safe way and leverage cloud-native services for better performances.”*
- On top, the customer expects to accelerate the monolith to microservices modernization from **2 years to 1.5 years**.



Railway Company in NAMER

Mainframe Modernization

Challenge

- Customer wants to modernize 17 partly-documented mainframe applications.
- *“To build a modernization roadmap, we need to understand complex code and dependencies on 40+ year old undocumented applications.”*

Solution

- CAST Imaging and Highlight automatically discovered the inner workings of the applications – including intra-app, app-to-app, app-to-data dependencies – in **3-4 weeks, instead of 10 weeks** in a manual discovery bringing less confidence and accuracy.
- Additionally, the partner expects to **gain 30% time** in migration & modernization execution.



Major Global Insurance Company in Europe

Multi-tech mass modernization

Challenge

- Customer wanted to migrate & modernize 87 custom applications developed on multiple technologies to AWS.
- *“We want to **modernize** applications on cloud, not migrate servers.”*

Solution

- CAST Highlight automatically identified the cloud maturity, dependencies and generated a migration & modernization **roadmap in 2 weeks for the 87 applications, instead of 1.5 months per application manually**.
- Customer expects to migrate & modernize each application in an average of **3 weeks instead of 4-5 months** thanks to upstream identification of containerization roadblocks and PaaS services.

AWS+CAST App Modernization Case Studies



Leading eCommerce Company in Asia

Mass containerization

Challenge

- The large number of 265 apps developed over a decade created an **“analysis paralysis”** in figuring out where to start the journey to AWS. The extensive use of open source added to the migration risk.

Solution

- CAST Highlight was used to analyze the cloud maturity and open-source risks of the 265 applications.
- VP of Engineering: *“It took **3-4 weeks instead of 3-4 months** to identify dependencies in code and **1.5-2 months instead of 3-4 months** to execute the migration. All 265 applications have now been migrated to AWS.”*



Global Insurance Company in Europe

Mass multi-tech modernization

Challenge

- Customer has 47 applications over 6 business units to migrate to AWS. The complexity and risks are high as the applications are partly documented and sit on more than 55 millions of lines of code over multiple technologies: Cobol, Java, JSP, JavaScript, Typescript.

Solution

- The SI partner leveraged CAST Highlight to automatically analyze the applications, segment them in 4 migration & modernization waves, identify cloud blockers in code, size the remediation effort.
- SI partner: *“Assessment of all applications would have taken **4-5 months without CAST**; it took **3 weeks with CAST**. We saved the effort of 2 people in each of the 4 squads for 4.5 months,” i.e., **600 person-days saved**.*



Major Bank in LATAM

Mass Microsoft Modernization

Challenge

- Customer wants to modernize 102 applications in .NET, C#, VB and Java on AWS. The applications are many and partly documented, preventing the customer to segment and prioritize them to get into an actionable plan.

Solution

- CAST Highlight automatically analyzed the entire portfolio of applications.
- Customer Cloud Project Manager: *“Time to assess a complex, undocumented application: **1 month without CAST, 40 minutes with CAST**. Expected time to execute migration & modernization: **1 year without CAST, 7 months with CAST**.”*
- AWS Sales Manager: *“Customer is now in control of the modernization/migration and can manage effectively the partners and teams involved.”*


Modernize your Microsoft workloads in a risk-averse, controlled, streamlined, and standardized way.

Organizations managing large legacy .NET workloads often face various challenges, from navigating complex licensing constraints to accelerating their modernization efforts. Traditional approaches can limit business agility and hinder progress, making it difficult to deliver immediate value. Legacy systems and outdated applications further complicate the path to modernization.

The SoftServe Microsoft Modernization Framework addresses these challenges by providing a comprehensive solution and accelerators for the modernization process.


PREREQUISITES	WEEK 1	WEEK 2-3	WEEK 4
<ul style="list-style-type: none"> Application selection criteria met Access to the source code repositories for CAST AWS account access on the organizational level 	<ul style="list-style-type: none"> Application Portfolio analysis by CAST Highlight Application pilots selection Amazon Q Developer Pro rollout Platform deployment .NET Transformation process started 	<ul style="list-style-type: none"> Analyzing Transformation changes (Code compare) Upgrading Unsupported packages compare) UI and C# code modification Solution validation 	<ul style="list-style-type: none"> Achievement report Modernization business case Futher modernization plan Result presentation

BUSINESS VALUE




From 3x to 15x

Better performance (Server-Side workloads, Garbage Collection, Serialization, Sturtup, Multithreading) and better memory utilization




At least 50%


Infrastructure cost reduction (Cross-Platform, Reduced memory consumption, CPU optimized Runtime)



Rapid one day application assessment


With CAST Highlight





70-90% faster application modernization

Using Amazon Q Developer: Transform for transforming .NET workloads



Improved security

In critical areas protection against OWASP Top 10

European FinTech group modernizes its core business applications to AWS to drive European growth

Wealth management FinTech
serving 4,600 clients

“CAST provided the clear, actionable insights we needed to modernize our portfolio and align our migration strategy.”

Head of Engineering

atyos

“CAST Highlight’s speed and completeness helps our clients realize value faster with AWS Cloud and reduces time-to-market.”

Julien Baillagou
Cloud & DevOps Architect

Days versus
months

to build a modernization plan
for 4.7M+ lines of code
across 15+ technologies



Challenge

The customer is launching a modernization program to accelerate European development by moving a diverse software portfolio to AWS. With wide-ranging levels of technological maturity, they seek support to harmonize and optimize their systems.

AWS caught their attention for the transition, offering scalable and secure solutions. By leveraging native cloud services, the customer aims to transform infrastructure and applications, ensuring agility and future readiness.

Solution

AWS proposed a partnership with Atyos, an AWS partner, to leverage CAST Highlight for defining the architecture and cloud environments using containerization and a SaaS approach, and CAST Imaging to map the applications’ inner workings.

Atyos automatically analyzed cloud maturity, assessed open-source risks, and segmented the portfolio for structured migration and modernization. They also examined maps of containerization blockers to evaluate the impact of code changes.

Results

CAST Highlight automatically identified AWS recommendations for faster native cloud applications, helping the customer capture value quickly and cut time-to-market. Combined with CAST Imaging’s detailed architecture mappings, Atyos delivered custom migration plans for a seamless cloud move, significantly boosting agility and competitiveness.

Harnessing Atyos’ architectural studies, the customer prioritized modernizations to tackle technical challenges, significantly spurring business growth and efficiency.

“ Our client is a healthcare technology company that offers medical office software. The client has **legacy monolithic application** for management of electronic health records implemented using **Microsoft technologies**.

They have been postponing the modernization of this app due to **lack of time** of subject matter experts to do the assessment and build the modernization plan.

We offered a no-risk **Modernization Viability Assessment (MVA)** automated using the **CAST** tools and **SoftServe's Application Modernization Platform (SAMP)** to generate assessment reports & build the business case.

We finished the assessment of **1.6M lines of code** in **three weeks** and shared the outcome with the client. This helped our client to realize the importance and benefits of application modernization, and they initiated the planning and budgeting for this modernization effort.”



Ruslan Kusov

Cloud CoE Director at SoftServe

AWS Ambassador | AWS Community Builder

“ Our public sector client contacted us to perform a **Modernization Viability Assessment(MVA)** for their **legacy Microsoft Workloads** with more than **one million lines of code** within a **five-weeks deadline**.

We were looking at a challenging task as we were **not the original developers** of the system.

We are very thankful to the AWS partner team who introduced us to the benefits of **automating MVA using the CAST Tools**. We decided to leverage it and finished the **MVA** well within the deadline.

CAST Technology enabled us to understand the inner workings of the legacy workloads. We presented the executive summary with a **fact-based strategy** and **recommendations** to the customer's decision-makers and **won their trust**. ”



Ankit Aggarwal

Customer Success Leader | Engagement Manager
TEKsystems Global Services

Simple, non-intrusive, rapid process, fully funded by AWS*

1. Scoping and Request

- Services Partner and CAST connect through [APN Partner Connections](#).
- Services Partner or AWS requestor adds CAST to their ACE/Salesforce opportunity.
- Scoping call held to determine mig & mod needs, apps in scope, relevant CAST product and size, pre-reqs.
- Empowered Customer SPOC, AWS/Partner and CAST agree on a target delivery date.
- The Partner or Customer accepts CAST zero-dollar private offer in AWS Marketplace.

* Subject to qualified+ opportunity with post-mod ARR > \$125k. Available to AWS Mig & Mod Competency and MSP Partners, AWS teams and ProServe. Stackable with MAP and other AWS fundings. For all workload types (VMware, Microsoft, Oracle, mainframe, any tech) covered by [CAST Highlight](#) or [CAST Imaging](#), currently on prem, AWS, other clouds. Questions? [APN page](#) or [AWS internal page](#) or ask migmodisv@amazon.com

2. CAST Analysis

By consultant from CAST (or Partner or ProServe if trained)

- If need be: security/legal clearance**



- Consultant guides customer app owners to scan their apps locally with the CAST Highlight [Code Reader](#) or [CLI](#) and answer 9 business questions
- Consultant uploads metadata files in CAST Highlight (SaaS on AWS)



- Customer app owner assembles source code, config files and other app artefacts
- Consultant deploys CAST Imaging instance on [machine](#) on AWS or prem provisioned by customer, onboards app artefacts

Typically 1-2 weeks for a few hundreds of applications/tens of millions of lines of code from the moment source code and application artefacts are ready.

** Legal clearance: through zero-dollar SOW or NDA if need be.
Security: no appliance or agent deployed in production. Only static code analysis, in customer's local environment. Code never leaves customer repo.
More [here](#) for CAST Highlight, [here](#) for CAST Imaging.

3. Outputs

- Consultant presents key findings and mig & mod recommendations to AWS/Partner requestor and customer, and provides detailed PPT report (can be in 2 drops for 250+ apps)

