CAST Highlight Core Capabilities

Application Portfolio Analysis

Software Health
Resiliency & Agility
Benchmarking

Cloud Readiness
Roadblocks & Boosters
Benchmarking

Software Composition
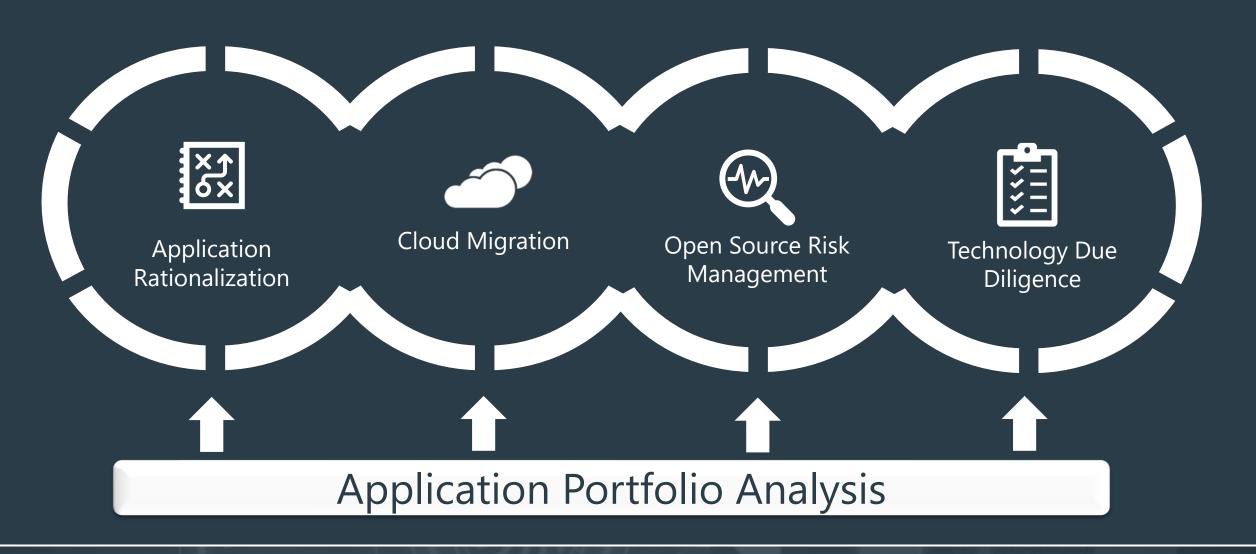OSS Vulnerabilities & IP Risks

Private Data Detection
GDPR & PII Patterns

+ Qualitative surveys incorporate Context Information like Business Impact
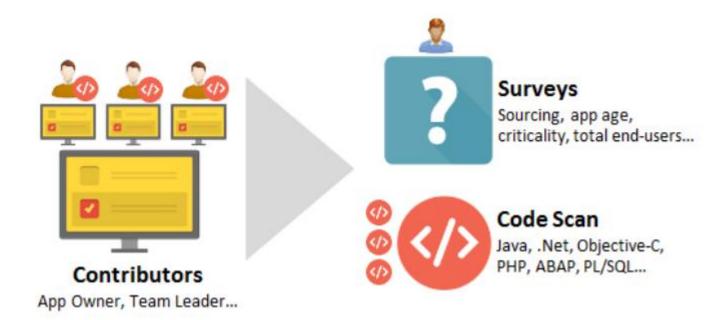
SaaS – Simple to Use – Cost Effective – Non-Intrusive

Primary Highlight Use Cases

Application Rationalization

Cloud Migration

Open Source Risk Management

Technology Due Diligence

Application Portfolio Analysis

Portfolio Analysis process with CAST HL

Surveys
Sourcing, app age, criticality, total end-users...

Code Scan
Java, .Net, Objective-C, PHP, ABAP, PL/SQL...

Contributors
App Owner, Team Leader...

Software Health
Programming best practices that increase resiliency, improve agility and reduce complexity.
67.1

WORST	INDUSTRY	BEST
12.3	65.00	98.0

CloudReady
Software & Organization characteristics to speed PaaS migration
54.6

WORST	INDUSTRY	BEST
19.6	61.37	88.8

Open Source Safety
Use of 3rd-party components that comply with security, license and age requirements
77.0

WORST	INDUSTRY	BEST
51.3	73.21	100.0

Initiate

Step 1
Launch & Planning
Executive sponsorship established through global communication (i.e. email to all project leads).

Scan & Assess

Step 2
Distributed Analysis
Application owners answer the surveys, download the code scan agent from the HL portal, analyze the application (a matter of minutes) and upload the results to HL portal

Software Intelligence

Step 3
Results interpretation & Recommendations
Insightful software analytics and portfolio-wide risk heat map available online, includes short-term vs. long-term technical risk and cost; technology mix; technical debt estimation and distribution, cloud readiness, software composition, etc. Enterprise-wide portfolio intelligence available on a secure, private cloud.

CAST HIGHLIGHT

Product Demonstration

CAST HIGHLIGHT

Accelerate & Secure Your Digital Journey

More details

Application Portfolio Analysis– Pains & Challenges

Application Diagnostics

Rapid Portfolio Analysis meant to provide objective, repeatable and cost/time efficient assessment of large, decentralized as well as complex IT portfolios.

Get an Objective Baseline	Segment to Prioritize	Build Recommendations & Set Objectives	Continuous Improvement
Transparency - Truth	Multi criteria analysis – Portfolio Level	Multi criteria analysis – Application Level & Actionable Outcomes	Trending – Automation - Extension

CAST
Software Intelligence for Digital Leaders

IT Portfolio Baselining

Leverage CAST HIGHLIGHT to provide an **objective snapshot** of the landscape of apps {CIO Onboarding, Outsourcing Assessment, IT Due diligence}

IT Health Monitoring

Classical use of CAST HIGHLIGHT. Providing a continuous assessment to control the health & mitigate **risk** over time

IT Rationalization/Modernization

Reducing cost & complexity. Leverage the cross analysis between risks, health factors, costs, capabilities to spot the applications to retire, merge, replace, reprioritize or modernize.

Application Portfolio Analysis

Essential companion for decision makers. Set up to analyze the health of applications before they are acquired and engineered

Cloud Readiness

Cloud Readiness
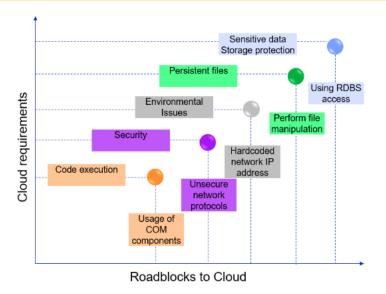
Objective evaluation of the application eligibility to move to the cloud

For Java, C#, VB/VB.Net, T-SQL, PHP, Python, Javascript and Typescript applications

Cloud Assessment

Provide a rapid portfolio analysis to identify the **best** candidates to start with

Cloud Migration Strategy

Get a **continuous** portfolio analysis to segment the apps, prioritize & monitor the **migration** over time
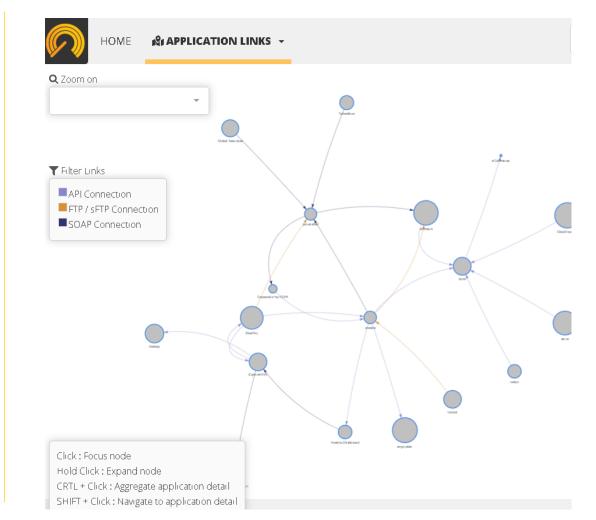
Cloud Readiness

Inter-Application Links

Visualize how applications are interconnected to understand dependencies and impacts to your modernization projects such as cloud migrations. Capture application links via survey questions and analyze dependencies

Software Composition Analysis

SCA

Take control of your third-party components and open source software to mitigate license & security risks

Check Third-Party Vulnerabilities

Detect **security** vulnerabilities in your third-party software and find the best plan to secure your own applications

Control Open Source License Compliance

Track **compliance** of your applications to your **OSS licence policy** across your entire portfolio

Reduce Technology Obsolescence

Spot **frameworks and libraries** you should upgrade to reduce risk and stay current

Software Composition Analysis

CAST consolidates one of the largest databases on software components, with billions of file signatures (fingerprints) computed for each version of open source and third-party components. Based on this unique database, Highlight compares your application files' fingerprint and aggregates component, version, license, release date information at both portfolio and application levels.

Data Privacy Issues Detection

GDPR/PII-data patterns

Quickly and easily detect every application that is accessing sensitive data

Use fully customized keywords to detect PII related data

Personally Identifiable Information (PII) can vary based on geography, language and industry. You define the keywords, importance (e.g. weight) and grouping of data terms to make the search as accurate as possible.

Identify PII usage at the portfolio level

Segment your portfolio based on applications that use sensitive data in order to focus your efforts in the right places. Apply business impact analysis to target applications that are critical to the business and have high PII usage.

Score each application based on PII density and weighting

Quickly identify which application files contain your customized keywords – sort and filter in order to prioritize the most sensitive data first.

Custom Indicators/Dashboards

Custom Indicators

Create your own indicators and consolidate new analytics based on answered surveys – perfect for use cases like Containerization Readiness, Customer Satisfaction, Agile Efficiency, Digital Readiness, Business Value, Cost, Obsolescence, Compliance, etc.

For portfolio segmentation and prioritization

Custom indicators are key dimensions to support portfolio segmentation and prioritization. The ability to create new indicators enables customers & partners **to implement their own methodology (IP) within the solution**

implemented using custom survey questions

Application Contributors provide answers to questions in the online surveys associated with the campaign. Custom indicators receive their values from the combination of responses and the associated **weights**.

available at both Portfolio & Application levels

All the custom indicators are available at their own dashboard at portfolio level: "Custom Indicators". In dashboard "Applications Results",. The Application ID Card also shows the custom indicators on their own tiles

Custom Dashboards

CAST HL allows to set charts with the axes you want among the different metrics we capture (lines of code, FTEs, CloudReady), but also all the custom indicators you have created!

Supported languages

Highlight supports for **health insights** and SCA: Java, COBOL, SAP (Abap), C/C++, C#, Objective-C, Swift, Javascript, Typescript, Python, JSP, Oracle PL/SQL, Microsoft Transact-SQL, VB.Net, VBScript, VB6, PL1 and Shell/Korn SHELL/BASH scripts.

Highlight also detects and scans these technologies to compute **sizing metrics (total files, lines of code, back-fired function points) and SCA**: Ruby, Scala, Ada, Go, Groovy, Fortran, Coffeescript, Assembler, Perl, Delphi, Lua, Rust, Coldfusion, Erlang, REXX, F#, Lisp, SmallTalk, Matlab, R, Swift, Kotlin, Salesforce ApEx and Natural Adabas.
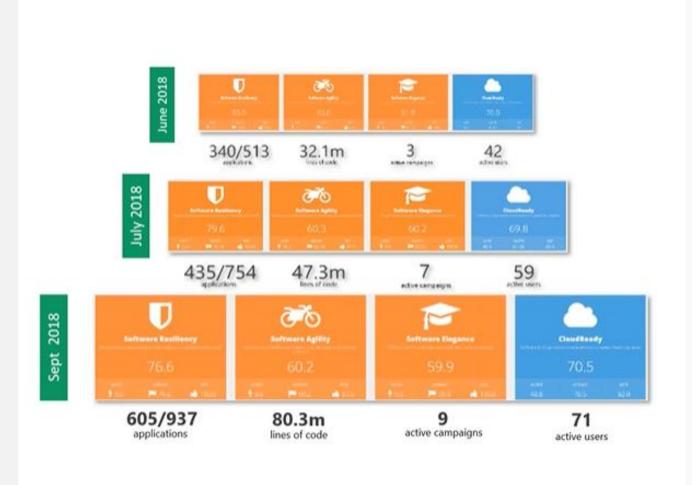
For **Cloud readiness** assessment, Highlight supports Java, C#, VB/VB.Net, T-SQL, PHP, Python, Cobol, Javascript and Typescript.
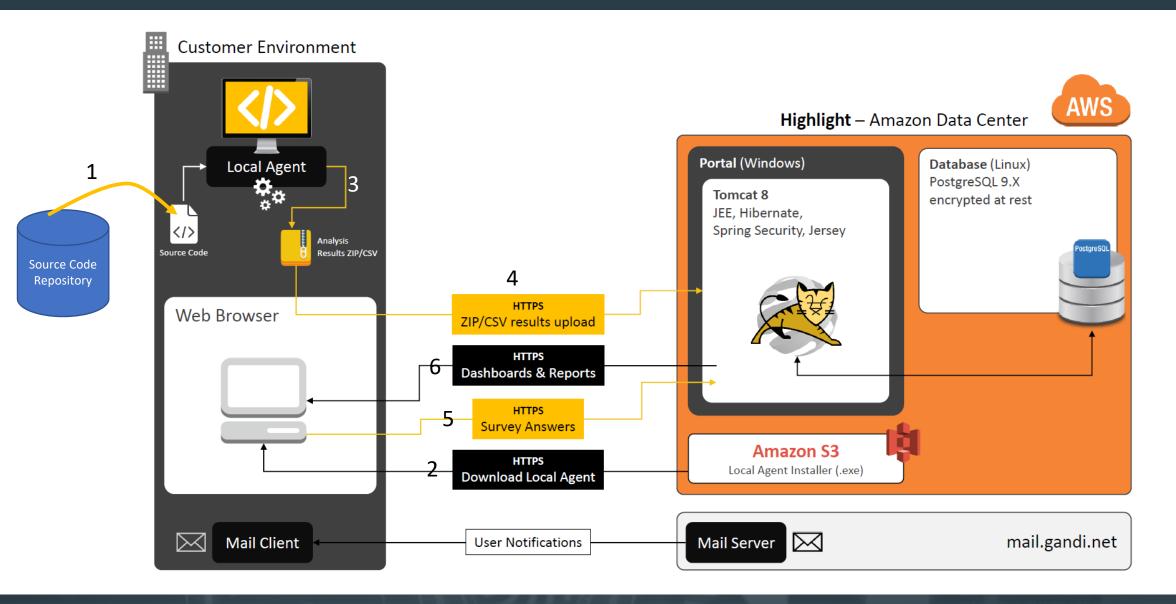
https://doc.casthighlight.com/

Rapid Onboarding: Insurance Example

- Extremely fast process to analyze applications

- Continuous assessment through automation

- Goal of ~1,200 application analyzed in 6 months

Product architecture