

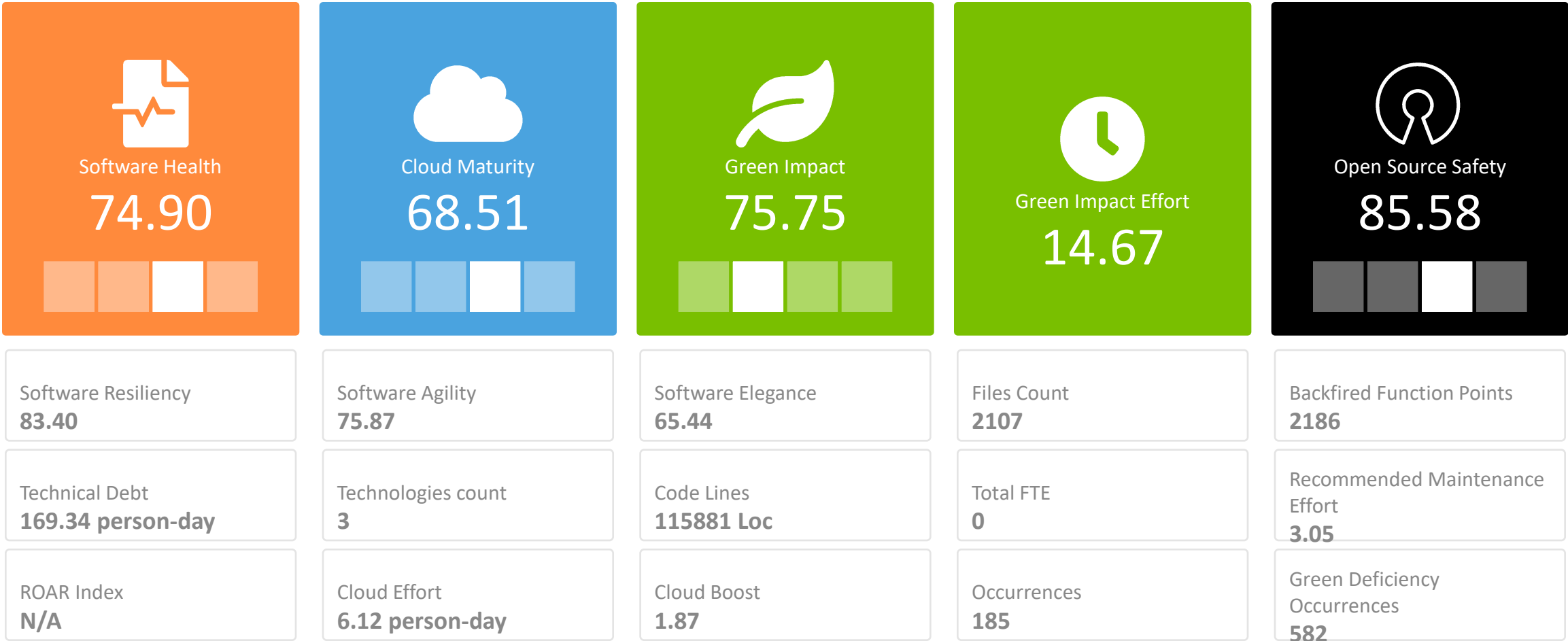
CNSA

MDPH-EL (mdphenligne.cnsa.fr)

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 [CAST Imaging/Console](#)



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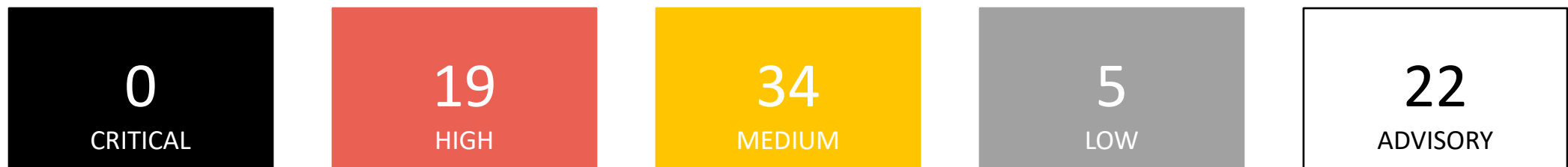
Third-party

CAST Consolidates one of the largest databases on software components, with billions of 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.

Third-Party License Risk



Possible Vulnerabilities



Software Health

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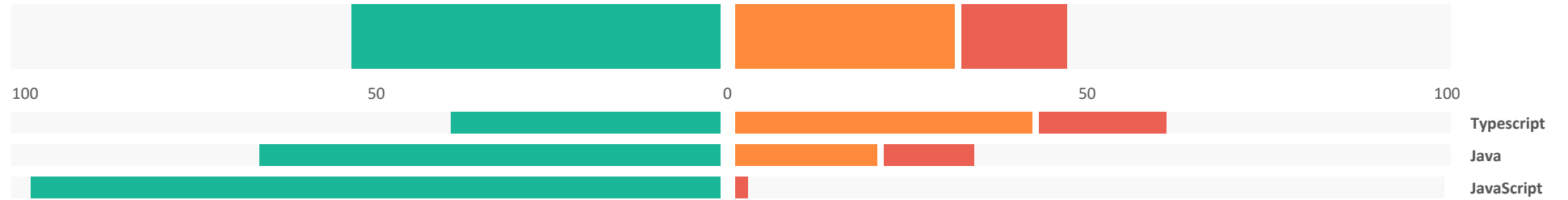
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Risk Distribution

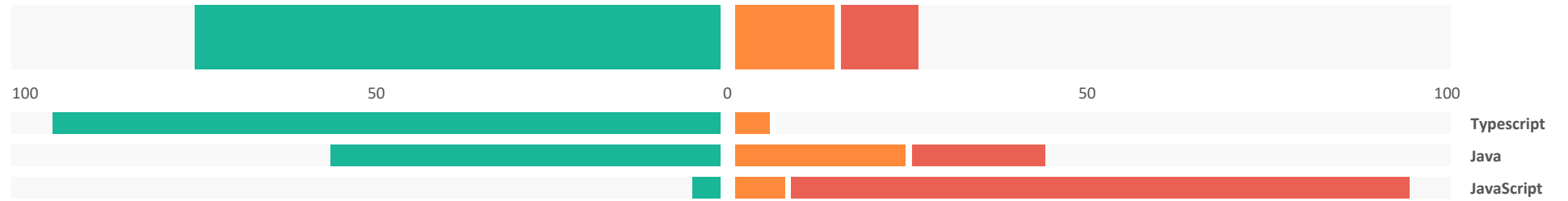
Software Resiliency

83.4



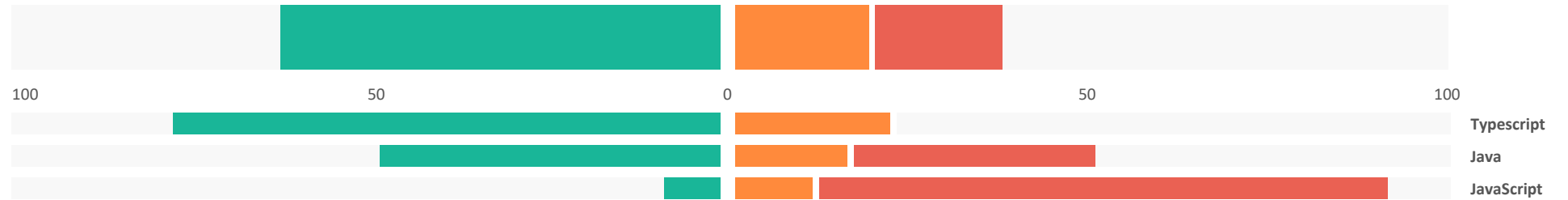
Software Agility

75.9



Software Elegance

65.4



Cloud Readiness

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Cloud Boosters

 Cloud Pattern	Technology
Using MongoDB database	Java
Using a Cloud-based data storage	Java



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Cloud Blockers

 Cloud Pattern	Technology	Impact	Criticality	 Occurrences	Effort (person-day)
<u>Avoid using hardcoded URLs (HTTP protocol)</u>	Typescript	C	Low	12	0.38
<u>Avoid using hardcoded URLs (HTTP protocol)</u>	Java	C	Low	74	2.31
<u>Perform Directory Manipulation</u>	JavaScript	C	Low	2	0.06
<u>Use of an unsecured data string</u>	Typescript	CA	Critical	2	0.25
<u>Use of an unsecured data string</u>	Java	CA	Critical	1	0.12
<u>Use of unsecured network protocols (HTTP)</u>	Java	C	Low	73	
<u>Use of unsecured network protocols or URI libraries</u>	Java	C	Low	73	1.52
<u>Using JBoss Application Server</u>	Java	A	High	9	1.12
<u>Using file system</u>	Java	C	Low	9	0.28
<u>Using hardcoded network IP address</u>	Java	C	Low	3	0.06

Green Readiness

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Green Blockers

 Green Pattern	Technology	 Occurrences	Effort (person-day)
Avoid OPEN/CLOSE inside loops	Typescript	1	0.04
Avoid OPEN/CLOSE inside loops	Java	3	0.12
Avoid Programs not using explicitly OPEN and CLOSE for files or streams	Java	3	0.06
Avoid String concatenation in loops	Typescript	2	0.04
Avoid String concatenation in loops	Java	59	1.23
Avoid String concatenation in loops	JavaScript	42	0.88
Avoid calling a function in a loop condition	Typescript	2	0.12
Avoid calling a function in a loop condition	Java	22	1.38
Avoid calling a function in a loop condition	JavaScript	6	0.38
Avoid empty catch blocks	Typescript	1	0.02
Avoid empty catch blocks	Java	13	0.27



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Green Blockers

 Green Pattern	Technology	 Occurrences	Effort (person-day)
Avoid instantiations inside loops	Typescript	10	0.21
Avoid instantiations inside loops	Java	224	4.67
Avoid instantiations inside loops	JavaScript	3	0.06
Avoid nested loops	Typescript	1	0.06
Avoid nested loops	Java	22	1.38
Avoid nested loops	JavaScript	18	1.12
Prefer comparison-to-0 in loop conditions	Typescript	14	0.15
Prefer comparison-to-0 in loop conditions	Java	14	0.15
Prefer comparison-to-0 in loop conditions	JavaScript	81	0.84
Prefer literal initialization	Typescript	3	0.03
Prefer literal initialization	Java	4	0.04



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Green Blockers

 Green Pattern	Technology	 Occurrences	Effort (person-day)
<u>Use a virtualized environment where possible</u>	Typescript	34	1.42