CAST vs ReSharper(JetBrains)

Company Info	Customer Insights
• **JetBrains** provides IDE plugins/extensions for ~10 technologies for code hygiene. • ReSharper is the extension available for .NET.	Resharper is a developer aid as opposed to CAST that is a system-level analyzer of complex software systems.

Summary

- **ReSharper is an IDE plugin** that performs the following
  - ✓ Unit level code analysis of .NET applications – Just in time feedback on coding best practices that include unit level rules
  - ✓ Acts as a developer aid by providing features such as enhanced search, code formatting, code generation and IntelliSense (code completion aid)
  - ✓ Dynamic profiling of memory and performance of application at a unit/component level

- **CAST performs System Level Analysis** (Multi Technology/Multi-Tier). CAST's full-stack application analysis identifies structural issues that other tools and even software architects can't see and how those risks propagate through the software. Analyzes across tiers of complex applications and maps transactions from top to bottom – UI layer to data layer.

- **ReSharper is a tool for developers only** (focused on improving their productivity) while CAST AIP (focused on quality) is a solution that benefits executive management, architects, managers and developers

- **ReSharper is used daily for code hygiene** whereas AIP is run every sprint on critical applications

- **JetBrain's ReSharper is focused on .NET.** The company's 10+ similar extensions are mostly focused on modern technologies. **CAST AIP supports 50+ technologies** including mobile, web & frameworks, mainframe, and databases.

Detailed Comparison

Feature	ReSharper	CAST
Cross technology transaction mapping	�×	✓
IDE plugin	✓	✗
Architecture rules & compliance monitor	✗	✓
Blueprinting	✗	✓
Automated Function Points	✗	✓
Devops tool integration	✓	✓
Dynamic performance / Memory profiling	✓	✗
Data flow analysis	✗	✓
OWASP Top 10	✗	✓
CWE Top 25	✗	✓
CISQ coverage	✗	✓
Open source risk	Thru 3rd party	✓
Dashboards/ Reports for Management	✗	✓