

# Making AI smarter

with precise architectural context

## Unleash AI on existing code

IT pros are struggling to use AI on large, complex applications — especially over one million lines of code. The humans aren't doing anything wrong. As probabilistic technologies, LLMs can't 'guess' their way to the facts they need to understand custom enterprise software.

## Give AI the context it needs

Just like people, AI needs a map to make the right changes. CAST provides this context by deterministically mapping internal software structures. Via an MCP server, your agent can access precise graphs of all objects and links — explicit or hidden — across code, data, and frameworks.

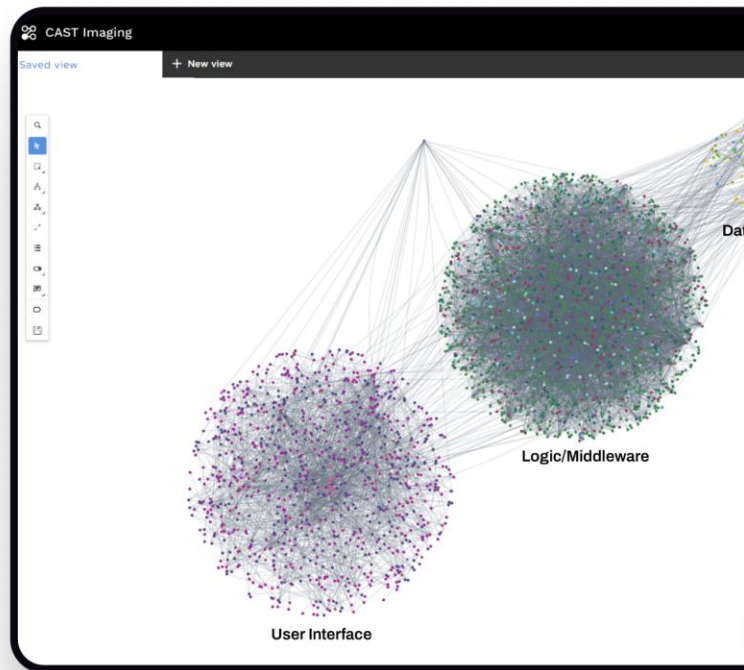
## Get the most accurate AI results for

- ✓ Tech debt remediation
- ✓ Cloud blockers removal
- ✓ Change impact analysis
- ✓ Business rules extraction
- ✓ Application demystification
- ✓ Test data generation at scale
- ✓ Re-writing code in another language
- ✓ Mainframe application modernization
- ✓ Identifying candidates for micro-services
- ✓ Object, framework, database replacement
- ✓ .NET, Java code transformation to AWS, Azure, GCP



A process that've taken months was cut to a few minutes.

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CIO & COO



## CAST Imaging maps the context

Through semantic analysis, deterministically maps the insides of software applications, built with any mix of 150+ technologies, into precise call graphs that capture:

- ✓ All technologies used
- ✓ All data objects and structures
- ✓ All code objects and properties
- ✓ All explicit and implicit links across data and code
- ✓ All open-source component risks
- ✓ All cloud optimization blockers
- ✓ All major structural flaws

## MCP server feeds the AI

Running on top of CAST Imaging, the MCP server is delivered as a Docker container to run on premise or in the cloud. It provides tools and functions to AI agents such as:

- ✓ List of applications
- ✓ Application statistics
- ✓ Cross-app dependencies
- ✓ Internal architectural graphs
- ✓ Transactions, data graphs, packages
- ✓ Object details, interactions, call graphs
- ✓ Source details, low level dependencies