



Visualization of Embedded Software

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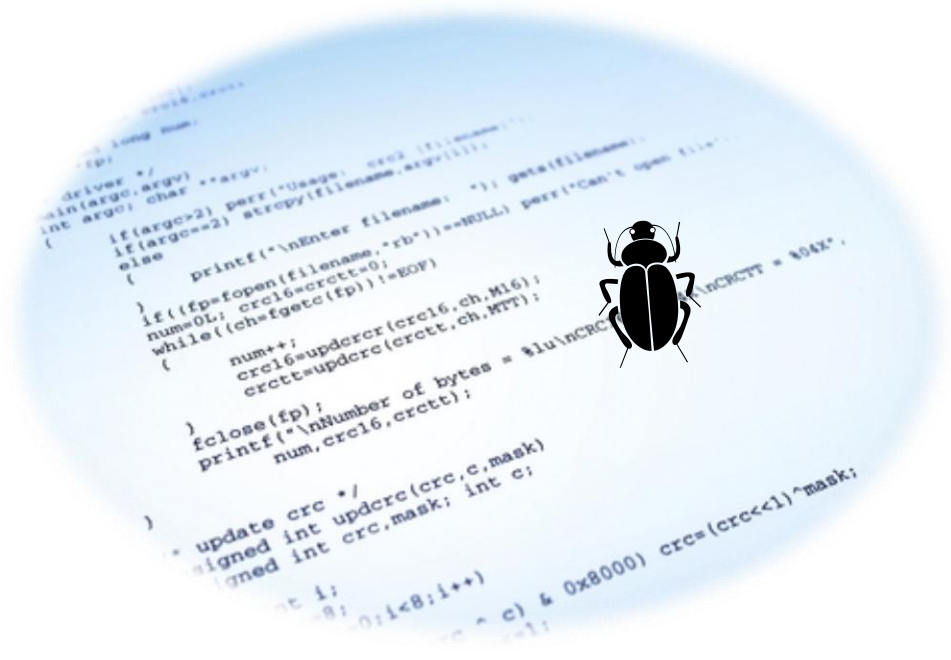
The Cost of Bugs

Takes 50% of software developer's time

Global cost: 312 billion USD / year

Embedded Software

- Higher requirements
- Harder to debug



Tracing Embedded Software

System in operation



Program trace

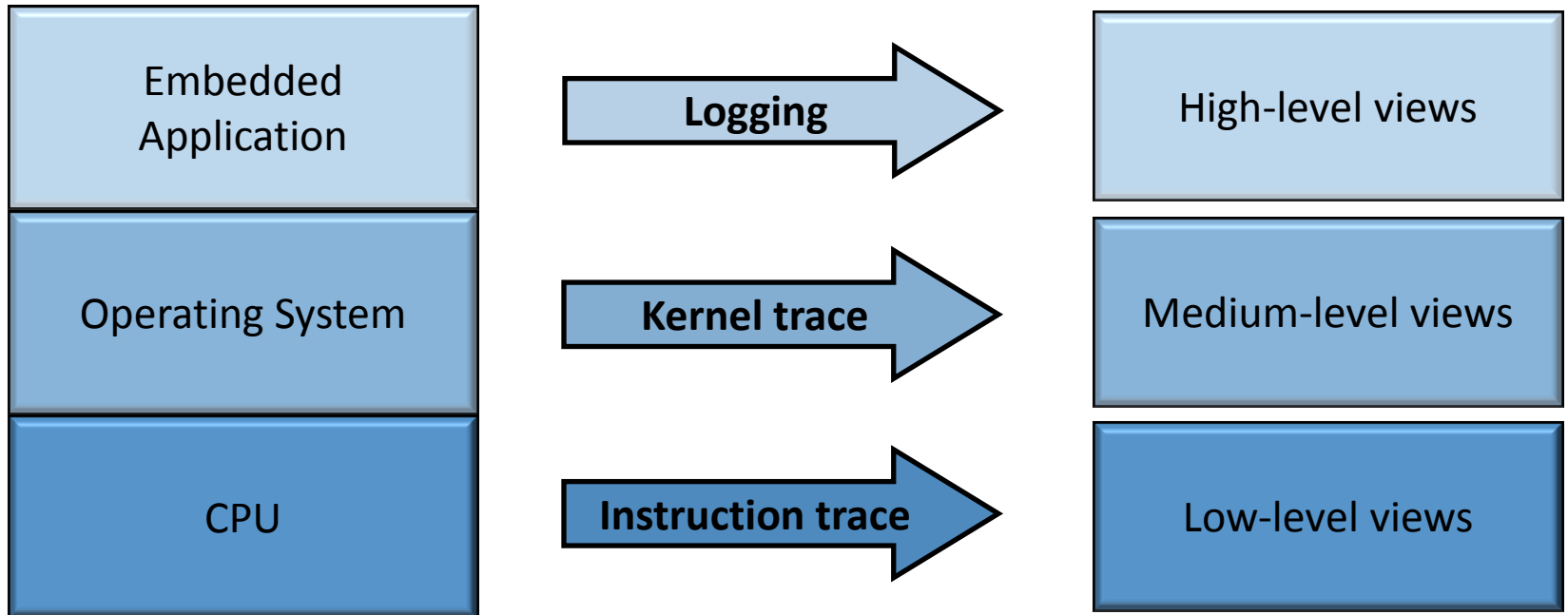


Visualization

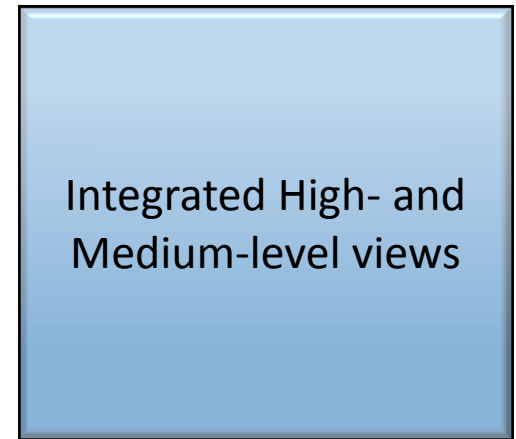
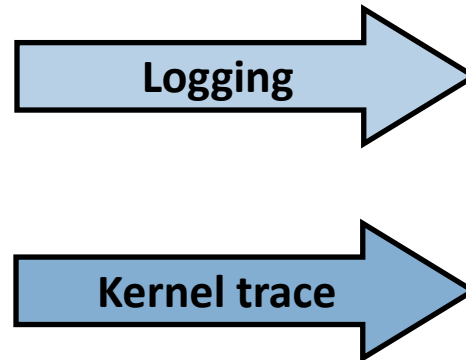
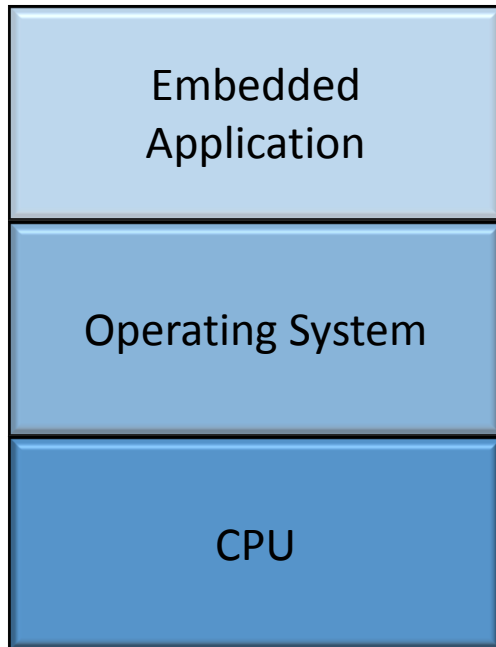
When used?

- Solving bugs – especially hard cases
- Improving software performance
- Gaining a better understanding

Common Techniques

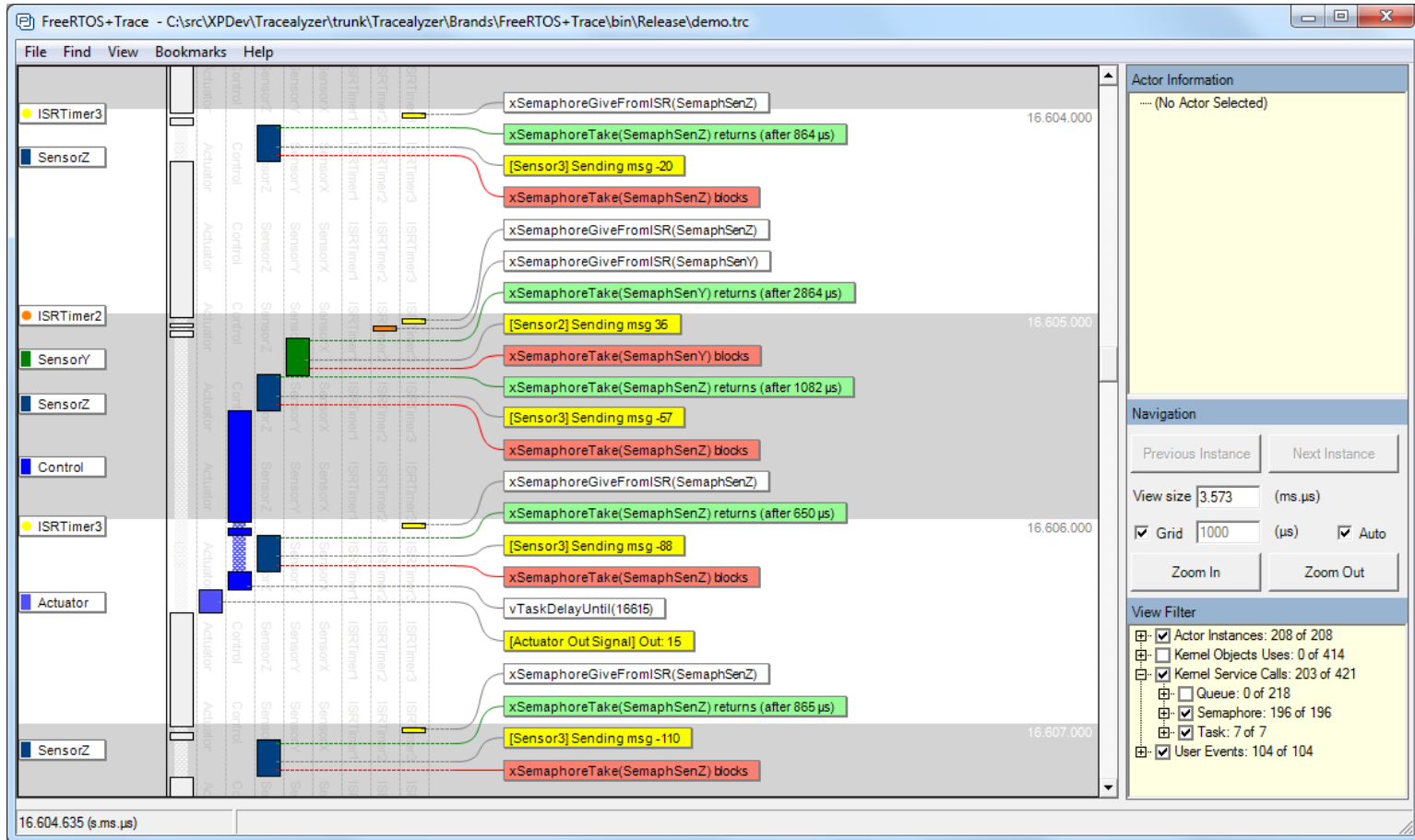


Perceprio Tracealyzer v2.x

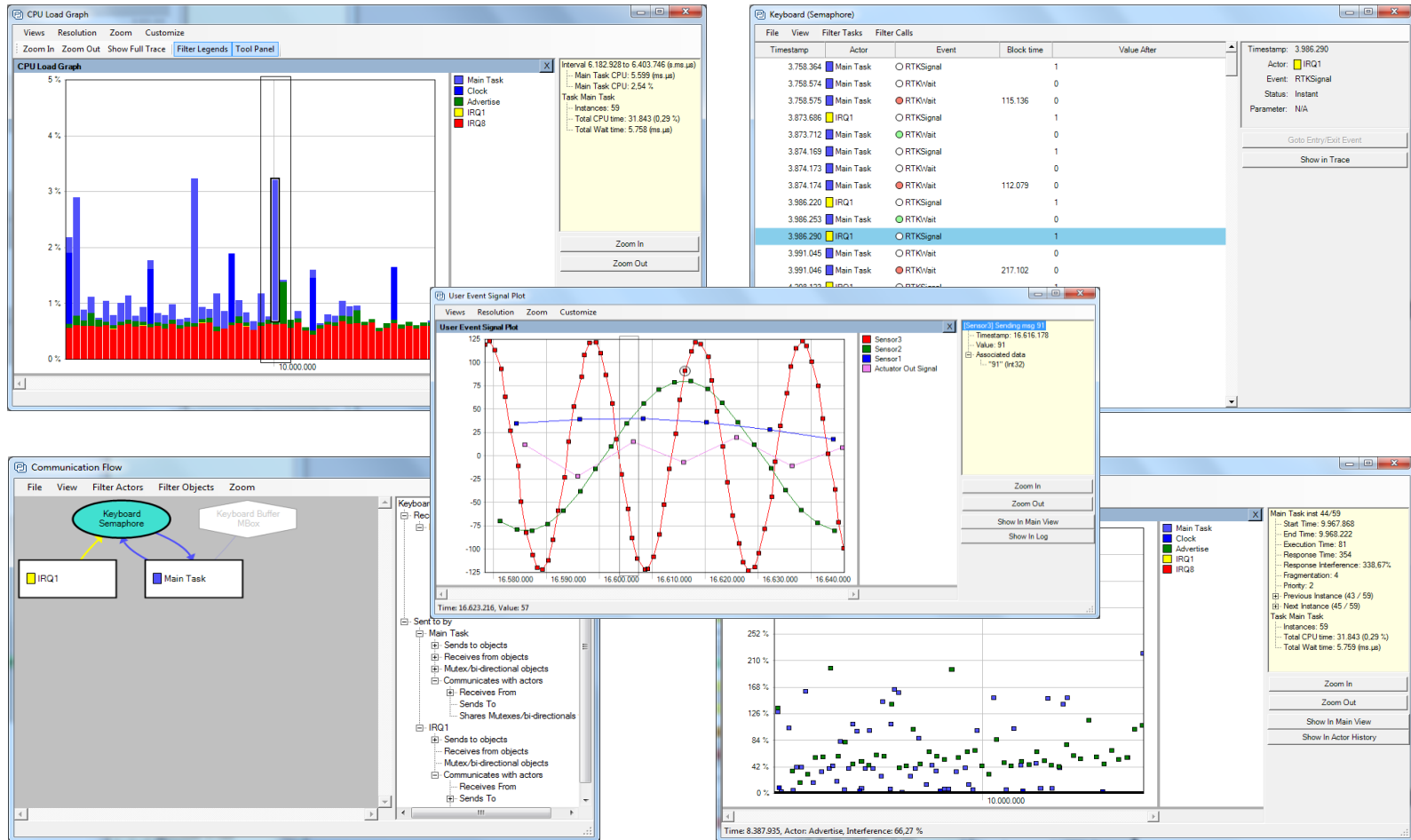


World-leading visualization
11 intl. partners

Perceprio Tracealyzer v2.x



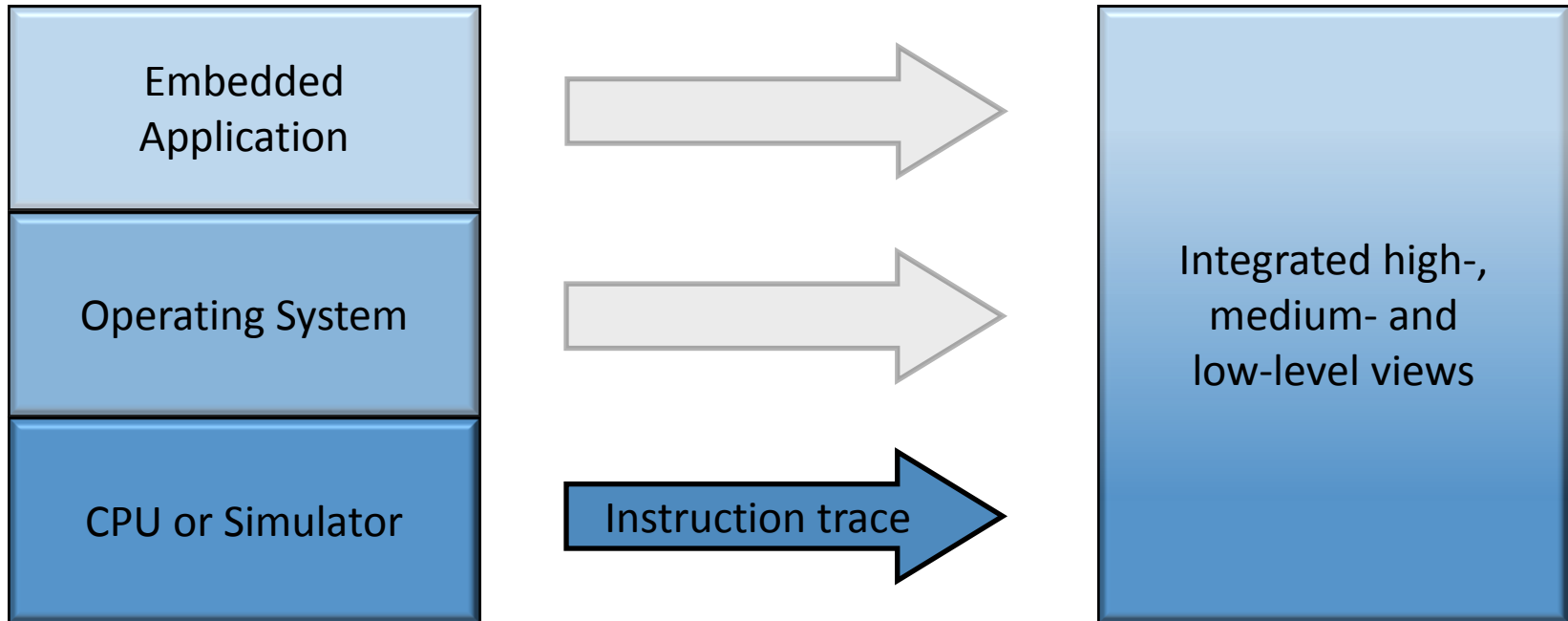
Percepio Tracealyzer v2.x



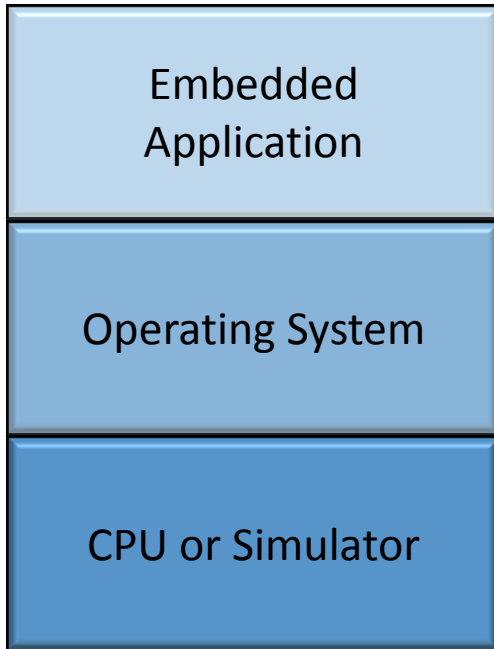
Current Partners



Next Generation Tracealyzer



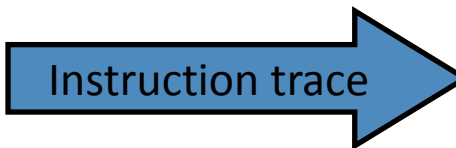
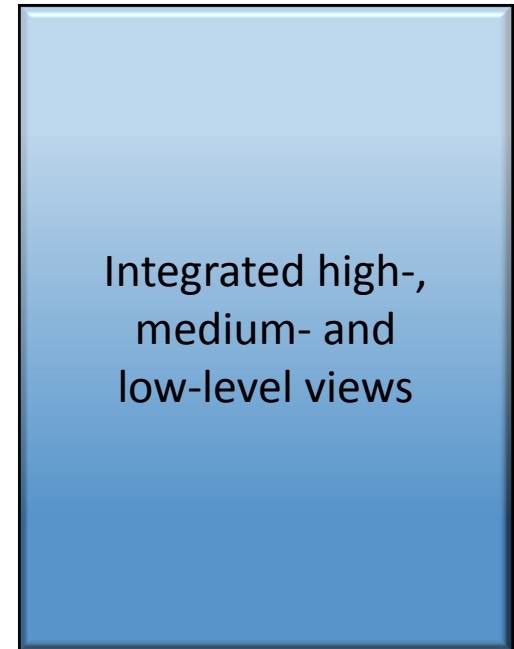
Next Generation Tracealyzer



Benefits

- + “Plug-n-play”
- + Very long traces
- + Low-level to high-level
- + Interconnected views
- + Leading visualization

Development efficiency!



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