# J-Trace PRO


## The leading trace solution

### Streaming trace

J-Trace PRO captures complete instruction traces over long periods of time as a stream, continuing beyond the buffer size of traditional trace probes. Streaming trace helps capture infrequent, hard-to-reproduce bugs. This is particularly helpful when the program flow 'runs off the rails' and stops in a fault state.

### Real-time profiling

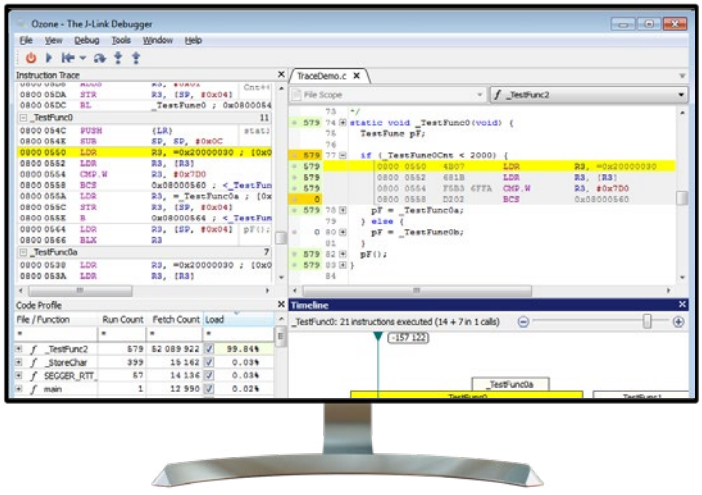
With the J-Trace PRO streaming trace capabilities, trace data is analyzed in real-time, while the data is transferred from the target system to the host computer. The analyzed data contains information about which instructions have been executed on the target, whether conditional instructions have taken both paths, and how often each instruction has been executed. With the captured trace data, a debugger can analyze an application to construct a code profile and identify "hot spots" for potential optimization.

### Real-time code coverage

The J-Trace PRO streaming trace capability provides completely accurate information about the instruction execution on a target system. This enables a full code coverage analysis of the system which can be updated while the target is running. Code coverage is often used to analyze test depth. But code coverage usually runs in simulation and systems with hard-to-predict external input, such as networking devices, are tough to simulate. This makes real-time code coverage a welcome feature.

## Key features

- Real-time streaming trace at full System Clock
- Live code profiling & coverage
- Instruction-level code coverage
- Unlimited trace
- Multi-platform: Linux, macOS & Windows


Streaming trace, real-time profiling & code coverage with SEGGER Ozone

www.segger.com/jtrace