

CODAx



RTL Security Analyzer for Silicon Security Verification

Features & Benefits

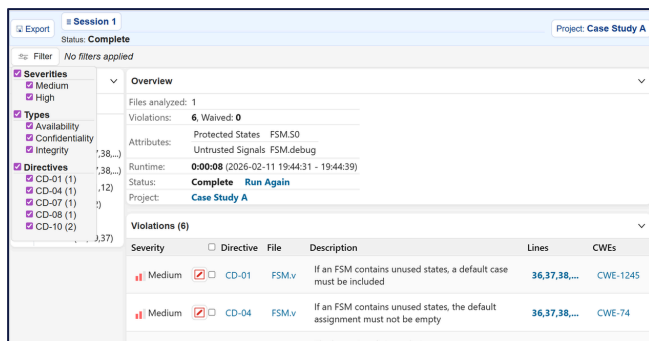
- Automated CWE-Mapped Security Rules
- RTL Code Highlighting
- Suggested Fixes for Violations
- Evidence-based Reporting
- Easy CI/CD Integration
- TCL Interface

Fast, push-button analysis of IPs, SoCs, and FPGAs for non-security engineers

Gain **security insights** early in your RTL development flow

Early, easy security checking with the largest database of hardware security rules

Find Security Flaws Early and Know How to Fix Them



CODAx checks are formed from industry ran vulnerability data sources as well as Caspia's deep security expertise.

Run CODAx in **quick security mode** for faster RTL analysis, or **deep security mode** to cover the largest threat space.



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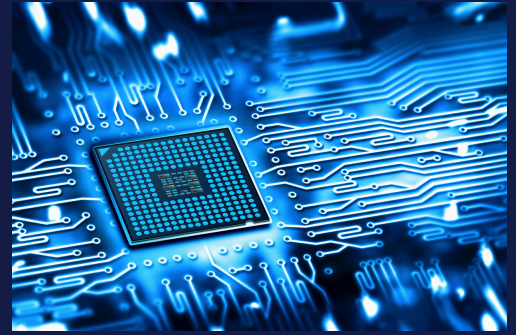
Contact us at: info@caspiatechnologies.com

Why CODAx?



Security flaws start in the pre-silicon phase of design. As the design matures, finding and fixing these issues becomes exponentially more difficult and more expensive.

CODAx finds security flaws early during RTL design and provides guidance for fixing them.



CODAx has successfully analyzed designs from various industries including root-of-trusts, data center, automotive, RISC-V, and precision analog and embedded computing. In all cases, many security flaws were found in minutes. Flaws that were missed by conventional functional verification flows.

Inside CODAx

01 Ease of Use

CODAx is easy to run, delivering a fully automated static analysis. Large designs can be checked in seconds to minutes. These same vulnerabilities can take days to weeks to find later in the design cycle.

02 Expert Assistance

Security-critical bugs and potential impacts are presented in an easy-to-understand format for non-security experts. Including suggested fixes to enable informed decisions on correcting issues.

03 Traceability

CODAx provides expert messaging and reporting to track security issues in provided code. These auditing results help with compliance and work for both control path and datapath security analysis.

04 Adaptability

CODAx rules are constantly updated with security trained LLMs to stay current on the rapidly changing threat landscape. CODAx makes all designers security experts.

Try CODAx for Free!

See how easy CODAx is to use. Become a security expert in minutes. You can try CODAx on several popular designs including RISC-V cores and open-source hardware root-of-trust for free.

Visit online at apps.caspia.ai and start your journey to more robust and secure designs.

