Reservoir Labs

81 followers   ✓ Following

Home   Products & Services

Reservoir Labs provides technologies and contract R&D services to the computer industry, government, and business end users. Our focus is on assuring the productivity of users of high performance computers for embedded, scientific, and business applications. We have particular expertise in optimizing compilers, network processing, and software verification in these markets, embodied in a suite of products for research and end-user use. see less

Website
http://www.reservoir.com

Industry
Computer Software

Type
Privately Held

Company Size
11-50 employees

Recent Updates

Reservoir Labs NordiaSoft Announces New Product for SCA Compliance - NordiaSoft Committed to SCA Compliance: http://lnkd.in/dX4RjW5

reservoir.com

reservoir.com · reservoir.com

Like · Comment · Share · 1 month ago

Reservoir Labs We're exhibiting R-Scope at the 2014 Cybersecurity Innovation Forum, Jan. 28-30 in Baltimore! Event/registration info: http://lnkd.in/dBfbnuq

2014 Cybersecurity Innovation Forum

lnkd.in · Every facet of our lives – personal and professional – is conducted digitally, yet we live in a world where those electronic transactions simply cannot be trusted. Investments in IT security continue to address discrete security problems in...

Like (1) · Comment · Share · 1 month ago

👍 Rick Correa

Add a comment...

Reservoir Labs We're hiring! Reservoir Labs seeks a Senior Engineer to work on exciting R&D projects. More info: http://bit.ly/1erqGzD

Like · Comment · Share · 2 months ago

How You're Connected

1st   1st   1st   1st

19 first-degree connections
1 second-degree connection
20 Employees on LinkedIn

See all ▶

Picture Yourself at Covidien

COVIDIEN
positive results for life

Rebecca McIntyre
Marketing at Covidien

View Jobs   ✓ Following

Products And Services

Advanced Compiler Development Services
We have a track record of successfully developing advanced compilers for...

See all ▶

People Also Viewed

Reservoir Labs Come see Reservoir Labs team member Dr. Ros-Giralt discuss R-Scope® technology at Supercomputing 2013 today at 1:30pm! http://bit.ly/1gWxxoH

Like · Comment · Share · 3 months ago

Reservoir Labs Meet up with us at Supercomputing 2013 around the conference halls! More information on what we're doing at the show: http://bit.ly/18fMxcP

bit.ly

bit.ly ·

Like (1) · Comment · Share · 3 months ago

👍 Rick Correa

Add a comment...

Reservoir Labs Meet up with @Reservoir_Labs at #SC13 around the conference halls! More info on what we're doing at the show: http://bit.ly/18fMxcP

bit.ly

bit.ly ·

Like · Comment · Share · 3 months ago

Show More Updates

Advanced Compiler Development Services

Be the first to recommend

We have a track record of successfully developing advanced compilers for specific application domains as well as for novel computer architectures. These can be full custom compilers with novel optimizations or retargetings of standard or open source compilers such as LLVM and gcc. Reservoir also...

Recommend · Share

Advanced Network Security Services

Be the first to recommend

We can develop tools for expressing and optimizing deep analytics of Internet packet flows on high-speed packet processing systems. Reservoir Labs has experience developing high performance, high speed pattern matching for IPS and data mining. R-Scope–Reservoir's patent-pending pattern-matching...
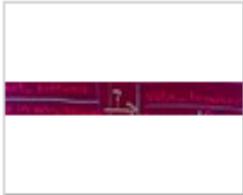
Recommend · Share

R-Check SCA

Fast, Accurate, Repeatable SCA Compliance Testing   R-Check® SCA is a version of R-Check customized to satisfy the requirements for Software Communications Architecture (SCA) compliance testing. The SCA is an open architecture framework that governs the structure and operation of the US Military's...
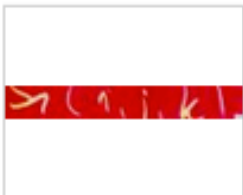
Recommend * Share

R-Scope® Network Security

Reservoir Labs' R-Scope® is a next generation network security monitor that empowers cyber-security analysts and operators with the vital situational awareness and threat intelligence necessary to combat today's advanced cyber attacks. R-Scope employs and extends the state-of-the art Bro analytics...
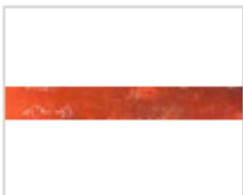
Recommend * Share

Systems Research and Development Services

Reservoir Labs can solve problems and create new technologies by providing research and development teams with unique expertise in computer architecture, compilers, algorithms, theory, and electronics. Our staff has advanced computer science and electrical engineering degrees from top computer...

Recommend * Share

R-Stream High-Level Compiler

A new class of multicore processors and accelerators has emerged with significant parallelism and on-chip distributed memory (e.g., GPGPU) that requires explicit control and communication among tiled computation kernels. This new class of computation devices offers over a 10x improvement in power...

Recommend * Share

Advanced Compiler Development Services

Recommend

Service Overview

We have a track record of successfully developing advanced compilers for specific application domains as well as for novel computer architectures. These can be full custom compilers with novel optimizations or retargetings of standard or open source compilers such as LLVM and gcc. Reservoir also applies compiler technology in novel ways to application domains, software verification, and network processing.

Currently there are no recommendations for this service.

Get more info:

Advanced Compiler Development Services

Visit our website »

Contact Us

Richard Lethin
President
✉ Send Richard a message

Advanced Network Security Services

Recommend

Service Overview

We can develop tools for expressing and optimizing deep analytics of Internet packet flows on high-speed packet processing systems. Reservoir Labs has experience developing high performance, high speed pattern matching for IPS and data mining. R-Scope–Reservoir's patent-pending pattern-matching technology–provides high volume, deep content inspection at line rates up to 100 gigabits per second.

Currently there are no recommendations for this service.

Get more info:

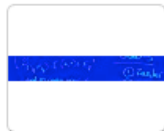**Advanced Network Security Services**

Visit our website »

Contact Us

Richard Lethin
President
✉ Send Richard a message

Reservoir Labs

Reservoir Labs

Home   **Products & Services**

R-Check SCA

Recommend

Product Overview

Fast, Accurate, Repeatable SCA Compliance Testing

R-Check® SCA is a version of R-Check customized to satisfy the requirements for Software Communications Architecture (SCA) compliance testing. The SCA is an open architecture framework that governs the structure and operation of the US Military's Joint Tactical Radio System (JTRS) and is gaining momentum in the civilian and international government sectors as a guiding path for software radio development. For the US Military, the JTRS Test & Evaluation Lab (JTEL) acts as the test authority for compliance testing of the SCA and is charged with developing and maintaining that testing capability. The SCA references both the IEEE POSIX® and OMG CORBA® standards, placing restrictions on the use of POSIX operations and the structure, definition, and operation of CORBA components. R-Check SCA parses the full ANSI C and C++ languages (including preprocessor emulation), CORBA® middleware IDL, and SCA XML descriptor files, enabling total code analysis for SCA 2.2 and 2.2.2 projects. For all files, compliance checking is performed with complete awareness of the code structure and context.

- Built-in SCA 2.2 and 2.2.2 support
- Static analysis
- Automatic configuration
- Flexible reporting formats

- Partial Code Mode (PCM)
- Commercial compiler front end
- Modular components

R-Scope® Network Security
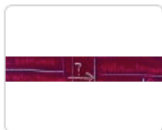
Recommend

Product Overview

Reservoir Labs' R-Scope® is a next generation network security monitor that empowers cyber-security analysts and operators with the vital situational awareness and threat intelligence necessary to combat today's advanced cyber attacks. R-Scope employs and extends the state-of the art Bro analytics language, empowering analysts to develop custom network security analytics tailored to their environment. This approach provides a degree of attack discrimination that is beyond the reach of traditional, signature-based IDS systems. R-Scope Network Security Appliances are scalable, agile building blocks for deploying real-time threat detection and network monitoring solutions scaling to 100 Gbps and beyond. Unlike stove-piped proprietary products or roll-your-own open source solutions, R-Scope's pre-configured, tested, tuned, and fully supported appliances easily integrate into existing network security infrastructures for rapid deployment.

- Scalable
- Intelligent

- Efficient
- Visualization and Integration

Get more info:

R-Scope® Network Security

Visit our website »

Contact Us

Richard Lethin
President
✉ Send Richard a message

Systems Research and Development Services
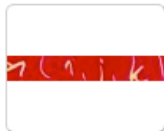
Recommend

Service Overview

Reservoir Labs can solve problems and create new technologies by providing research and development teams with unique expertise in computer architecture, compilers, algorithms, theory, and electronics. Our staff has advanced computer science and electrical engineering degrees from top computer science programs as well as years of experience performing research. We have particular expertise and a track record of successful development in compilers, networking, verification, and computer architecture. We also make our team available for general computer systems research.

Get more info:

Systems Research and Development Services
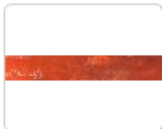
Visit our website »

Contact Us

Richard Lethin
President
✉ Send Richard a message

R-Stream High-Level Compiler

Recommend

Product Overview

A new class of multicore processors and accelerators has emerged with significant parallelism and on-chip distributed memory (e.g., GPGPU) that requires explicit control and communication among tiled computation kernels. This new class of computation devices offers over a 10x improvement in power efficiency, but can be 100x more difficult to program. R-Stream is a "High Level Compiler" for embedded computing and parallel processing and HPC algorithms, and is designed to seamlessly generate parallelized code to target-specific (low-level) C compilers. Specifically, R-Stream is a source-to-source compiler that accepts a sequential C program as input and produces code that has been parallelized and optimized for these new types of processors. R-Stream can output optimized code in a variety of formats for downstream processors, including highly optimized OpenMP and CUDA.

Get more info:

R-Stream High-Level Compiler

Visit our website »

Contact Us

Richard Lethin
President
✉ Send Richard a message

Ads You May Be Interested In