Static Analysis Tool Exposition (SATE) VI Workshop

19 September, 2019
McLean, VA
in conjunction with the
Software and Supply Chain Assurance Forum

NIST
National Institute of Standards and Technology
U.S. Department of Commerce

SAMATE

Thanks to

- Software Supply Chain Assurance Forum organizers: Department of Homeland Security, Department of Defense, National Institute of Standards and Technology, and the General Services Administration
- Host: MITRE
- SATE Organizers and Analysts
- SATE Participants

SATE VI Agenda - Morning

9:00 Welcome to the Workshop, *Vadim Okun, NIST*

9:10 SATE VI Background, *Vadim Okun, NIST*

9:30 Bug Injector, *Eric Schulte, Grammatech*

9:50 Bug Injection in SATE VI, *Aurelien Delaitre, NIST*

10:10   Break

10:40 Coverity Results and Experiences for SATE VI, *Robin Ristow, Synopsys*

11:00 Challenges Analyzing SATE VI Classic Track with Checkmarx CxSAST, *Igor Matlin, Checkmarx*

11:20 Using Runtime Analysis in C/C++ for Security, *Arthur Hicken, Parasoft*

11:40   Lunch

SATE VI Agenda - Afternoon

12:40 SATE VI Ockham Sound Analysis Criteria, **Paul E. Black, NIST**

1:00 Feedback about the experience of Frama-C in SATE VI, **Andre Maroneze and Julien Signoles, CEA/List**

1:20 Synergy Between Sound and Unsound Tools, **Matt Rhodes, Mathworks**

1:40   Break

2:00 Manifests, metrics, and test suite designs, **Alexander Hoole, Microfocus**

2:20 Lessons for CodeSonar from SATE, **Paul Anderson, Grammatech**

2:40 SATE VI Classic Track Results, **Alex-Kevin Loembe, NIST**

3:00   Break

3:30 The Bugs Framework -- Your Best Friend? **Irena Bojanova, NIST**

3:50 Discussion Session: SATE VII Planning

4:30   Adjourn

Some Questions for SATE VII Planning

- Should there be a SATE VII?
- Expand bug injection and collection?
- Use OASIS Static Analysis Results Interchange Format (SARIF) as common tool output format?
- Gaps in test cases
- Other programming languages
- Other tool classes

Announcement

Please take one set of green, yellow, and red cards for "straw polls" during the afternoon SATE VII discussion