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Patrice Godefroid - Automated Whitebox Fuzz Testing with SAGE

Posted: Jul 14, 2009 at 11:29 AM

By: [Peli de Halleux](#)

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Patrice Godefroid gives an overview of [Automated Whitebox Fuzz Testing](#), a powerful testing technique applied at Microsoft through a tool called SAGE. Listen how he is working with the SAGE team to 'eradicate all buffer overrun bugs' in Windows...

- Read more in [this paper](#) or [this slide deck](#).

The [Research in Software Engineering team \(RiSE\)](#) coordinates Microsoft's research in Software Engineering in Redmond, USA.

Tags: [fuzzing](#), [Microsoft Research](#), [RiSE](#), [SAGE](#), [Security](#), [Testing](#)

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aL_

Kinect ftw

Jul 14, 2009 at 4:45 PM

cool 😊 but isnt this pex? maybe sage is the new name for pex?



patriceg

Jul 14, 2009 at 5:19 PM

SAGE and Pex both use some of the same techniques (like DART), but SAGE is for security testing of unmanaged code (x86 binary analysis) while Pex is for unit testing of managed code (MSIL .NET binaries).

For more information on how they differ, please see http://research.microsoft.com/en-us/um/people/pg/public_psfiles/ieeesw2008.pdf

Patrice



aL_

Kinect ftw

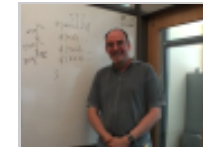
Jul 15, 2009 at 9:35 AM

i see, thanks 😊

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cdwatkins

Jul 16, 2009 at 8:13 AM

Makes you wonder just how many advances we are going to get because of symbolic anylsis of constraints.

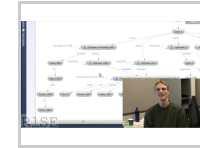
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