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## GWP-ASAN

*Tuesday, 10 September 2019 10:55 (20 minutes)*

In this talk Dmitry will introduce the idea of GWP-ASAN, a sampling tool that finds use-after-free and heap-buffer-overflows bugs in production environments. GWP-ASan supplements the normal slab allocator and chooses random allocations to 'sample'. These sampled allocations are placed into a special guarded pool, which is based upon the traditional 'Electric Fence Malloc Debugger' idea. Dmitry will share experiences of using such tool in user-space and speculate about how useful such tool would be for kernel.

### **I agree to abide by the anti-harassment policy**

Yes

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**Session Classification:** Testing and Fuzzing MC