Yueqiang Cheng

Stamford Road 80, Singapore, 178902
(+65) 8512-7800, strongerwill@gmail.com

Education	2008 - Now, *Ph.D in Information Security and Trusted* School of Information Systems, Singapore Management University, Singapore 2003 - 2007, *BS in Software Engineering* College of Software Technology, Zhejiang University, Hangzhou
Skills	***Hypervisors:*** Xen, BitVisor, Guardian, KVM ***System Kernels:*** Linux, Windows ***Languages:*** ASM, C, C++, Java, Python

Publications

Journal Publications:

Yueqiang Cheng, Xuhua Ding, and Robert H. Deng. 2013. DriverGuard: Virtualization-Based Fine-Grained Protection on I/O Flows. ACM Transactions on Information and System Security (TISSEC) 16, 2, Article 6 (September 2013), 30 pages.

Conference Publications:

Yueqiang Cheng, Zongwei Zhou, Miao Yu, Xuhua Ding, Robert H. Deng, 2014, ROPecker: A Generic and Practical Approach For Defending Against ROP Attacks, Proceedings of the 21th Annual Network and Distributed System Security Symposium (NDSS) , San Diego (USA).

Yueqiang Cheng, Xuhua Ding, Robert H. Deng, 2013, AppShield: Protecting Applications against Untrusted Operating System, Technique Report.

Yueqiang Cheng, Xuhua Ding, 2013, Guardian: Hypervisor as Security Foothold for Personal Computers, 6th International Conference On Trust & Trustworthy Computing (TRUST'13), London, England, 17-19.

Yueqiang Cheng, Xuhua Ding, 2013, Virtualization Based Password Protection Against Malware In Untrusted Operating Systems, 5th International Conference On Trust & Trustworthy Computing (TRUST'12), Vienna, Austria, 13-15.

Yueqiang Cheng, Xuhua Ding, Robert Deng, 2011, DriverGuard: A Fine-Grained Protection On I/O Flows, 16th European Symposium on Research in Computer Security (ESORICS), Leuven, Belgium, 12-14.

Liang Gu, **Yueqiang Cheng**, Xuhua Ding, Robert H. Deng, Yao Guo, Weizhong Shao, 2009, Remote Attestation on Function Execution, in the International Conference on Trusted Systems (INTRUST), Lecture Notes in Computer Science 6163, Beijing, China, December 17-19.

Honors and Awards	Excellent student of Zhejiang University (Top 10%), 2004, 2005, 2006 Excellent Student Leader of Zhejiang University, 2005 Excellent League Member of Zhejiang University, 2006 Excellent Graduate of Zhejiang University (Top 1%), 2007 Graduate student waived of entrance examination (Top 1%), 2007 (ISC)^2 Scholarship for Graduate Research Project, 2010
Exchange and Industry Experiences	2012.08 - 2013.05, *Visiting Student* *CyLab, Carnegie Mellon University, United States*

2007.07 - 2007.09, *Internship*
Google Inc., Beijing, China

Vulnerability
Reports
Insufficient TLB flushing in VT-d (iommu) code, Xen Security Advisory XSA-78, 2013.
This bug allows attackers to compromise Xen hypervisor from PV-guest domain.