

Cyber Security - Dealing with Unpredictability

27th – 28th October 2017



BSE
INSTITUTE LIMITED



BOARDROOM SERIES

Programme Overview

India now is almost the start-up capital of the world with start-ups in ecommerce especially and in the Android app area ruling the roost. These start-ups mostly depend on websites (http/s) traffic for their application. This 2 day hands on workshop will train you in how to find security holes in your network infrastructure and website and give guidance on how to fix them.

Two sessions on each day morning of 2 hours each understanding various possible vulnerabilities. These sessions cover types of security holes such as infrastructure vulnerabilities, web app vulnerabilities such as sql injection or XSS, What these holes/vulnerabilities are and how they occur will be discussed.. Then, some simple examples will be shown, along with techniques on how to detect the security holes/vulnerabilities including penetration testing. Use of various tools to detect will be introduced in these sessions. Finally, guidelines will be given on how to fix the security holes. Focus will also be given on live interactions between the participants and the presenter.

Hands-on laboratories will be conducted in the afternoon sessions every day. Participants will get hands on practical experience on the discussed topics. The laboratory will be of at least 3 hours every day. The participants will do practical exercises on how to perform testing to find the security holes/vulnerabilities using the tools and topics understood in the morning sessions.

Pre-requisites for this workshop

- Basic knowledge of Windows operating systems.
- Basic knowledge in networking technologies.
- Basic exposure to information security will help.
- Knowledge of using / developing web applications, and an exposure to html and http is desirable

Why Attend

Governments and businesses find themselves scrambling to stay up to date on the latest vulnerabilities, technologies, and defense and prevention strategies as cyber-attacks become more common, stealthy, sophisticated, costly, and brazen. The program intends to make attendees better informed and more savvy about protecting their organizations against the cyber threats they face around the clock from malicious hackers, the myriad forms of ever-evolving malware, disgruntled insiders, and other IT security risks and dangers.

Who Should Attend

- Security Engineers
- Security Architects
- Security admins
- Developers
- Data Security & Protection personnel
- CISO, CIO & CTO's

Day 1

27th Oct, 2017

Infrastructure Security

Morning Lecture

Networking Concepts, TCP/UDP protocols, IP, ARP, DNS protocols. Other concepts in networking. Security Issues in infrastructure components such as operating systems, web servers etc. Use of Wireshark, Port scanner – nmap. VA tool – Nessus, . A tutorial on http; html, javascript, CSS etc.

Afternoon Hands-on Lab

Use of Nmap, Use of Nessus, Use of Wireshark. Running VA scans and understanding reports. Understanding http protocol.

Day 2

28th Oct, 2017

Web App Security

Morning Lecture

XSS, CSRF, parameter validation, fuzzing, Authorization checks, A tutorial on sql. Basics needed to understand web application security. Use of web scarab proxy. Session Hijacking, sql injection.

Afternoon Hands-on Lab

Finding XSS, CSRF, parameter validation, authorization holes, Use of web scarab. Doing session hijacking via web scarab. Doing sql injection via web scarab.

Profile of workshop trainer

Dr. Samir Kelekar has a BTech from IIT Bombay, and Phd from Columbia University with a total of 30 years of experience. He has worked at IBM Research, Motorola, Alcatel and a number of start-ups. He has consulted for a number of top companies and found security holes in a number of websites and software. He owns three US patents in the area of security. Samir is also a prolific communicator, a writer, a blogger and a columnist.

Samir currently is a founder of Teknotrends Software Pvt Ltd.

[Http://www.teknotrends.com](http://www.teknotrends.com)

Samir writes a popular blog on security which can be seen at

<http://www.thesecurityblog.in>

Samir's profile can be seen at

<http://www.thesecurityblog.in/profile.html>

Here are some of the website / portals for which Samir has tested security recently. Nivaata.com, makemytrip.com, naukri.com, duavivo.com, chamberoman.com, clearscore.com, dgciskol.nic.in, abhibus.com, practo.com

Programme Fees

Price Per Delegate Rs. 20,000 (Inclusive of tax)

Group Bookings Buy 4 delegate passes and get 1 delegate pass free

Early Bird Discount for Corporates 10% & for Students 20%, Valid until 20th October, 2017

Mode of Payment (NEFT Details)

Company Name: BSE Institute Limited

Bank Name: HDFC Bank

Bank A/c No.: 1577 034 0008409

IFSC Code: HDFC0000060

Venue

BSE Institute Limited,
P. J. Towers, 25th Floor, Dalal Street,
Mumbai - 400001, India

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REGISTRATION FORM

Cyber Security - Dealing with Unpredictability

27th - 28th October, 2017

Return to: FAX: 0091 22 22723250

Email: bhavini.gohil@bseindia.com / training@bseindia.com

REGISTRATION DETAILS:

Title (Tick): Mr Ms Mrs Miss Dr Other

First Name: Last Name:

Company Name: Title/Position:

Address:

Suburb/Town/City: State Postcode Country

Phone: () Fax: () Email:

MULTIPLE REGISTRATIONS: Kindly provide the details of the second nomination below (if applicable):

Title (Tick): Mr Ms Mrs Miss Dr Other

First Name: Last Name:

Company Name: Title/Position:

Address:

Suburb/Town/City: State Postcode Country

Phone: () Fax: () Email:

PAYMENT DETAILS:

Amount (In words) _____

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