

Secure Coding Practices

July 03 – 07, 2017

Coordinator: Dr. V. Radha, Assistant Professor, IDRBT

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Introduction

With lots of digitisation around, banks are under stress to open APIs, develop new Applications for customers as well as employees around their core banking. Building new apps around core banking without proper understanding of OWASP top 10 security vulnerabilities like SQL Injection, Remote Code Execution etc might put the bank in higher risk zone. Whether the bank develops the application on its own or buys it, it is advisable for the bankers to understand the OWASP vulnerabilities, how do they manifest and what are the remedial measures. For majority of the attacks, bad programming is the sole source of problem. Security experts deploy remedial measures across the entire enterprise network stack right from Web application firewalls, to end-point security. It is like making the outer wall stronger to secure the weak inner applications. None of these solutions is needed if the programs are written with security in mind.

Objective

To bring awareness about OWASP top 10. Discuss and demonstrate the remedial measures; Automated testing of applications; Code Scanning and Code Analysis

Contents

- * OWASP Top 10 – Overview
- * PKI for Information Security in banking services
- * SSL
- * Web Application Security
- * Cross Site Scripting and remedial measures
- * Database Security
- * SQL Injection and Remedial Measures
- * Remote Code Execution – Buffer Overflow Attacks and remedial Measures
- * Session Hijacking and remedial Measures
- * Insecure Authentication and remedial Measures
- * Insecure Data Storage and remedial measures
- * Weak Encryption and remedial measures
- * Testing Overview
- * Automated Testing tools

End Use

Participants would be able to appreciate the RCA of vulnerabilities and act accordingly to strengthen the overall IT environment in all its dimensions: Data, Applications and Technologies.

Who Can Participate?

Developers, Inspection officials as well as officers in IT function involved in design, deployment and maintenance of information systems

Level of Participants: From Scale I to IV

Faculty

Faculty of IDRBT, Guest Speakers from the Industry & Practitioners.

Fee Details

Domestic Participants from

- * RRBs & Coop Banks : Rs. 34,500/- (Rs. 30,000/- + 15% Service Tax)
- * All other Banks & FIs: Rs. 46,000/- (Rs. 40,000/- + 15% Service Tax)

Foreign Participants from

- * SAARC Countries : US \$ 1150/- (US \$ 1000/- + 15% Service Tax)
- * Other Countries : US \$ 1725/- (US \$ 1500/- + 15% Service Tax)

The fees for our programmes can be remitted through NEFT and the bank account details for fee payment available at: <http://bit.ly/PAYFEES>.

Nominations

Nominations should be sent to us latest by **June 19, 2017** by email to program@idrbt.ac.in

Venue & Timings of Programme

Venue: IDRBT

Timings: 9.30 AM to 5.30 PM

How to Reach IDRBT

A major landmark near Masab Tank flyover is NMDC. IDRBT is located just behind NMDC. Google Pin: <http://bit.ly/IDRBT>

Accommodation and Travel Plans

The boarding & lodging arrangements will be made at IDRBT, Hyderabad. The participants will be provided single occupancy a/c rooms.

Check-in : From 3.00 PM on Sunday, July 02, 2017.

Check-out : 7.00 AM on Saturday, July 08, 2017.

Other Programmes Scheduled in July 2017

S. No.	Programme	Date	Coordinator
1.	Data Centre Management	03 – 05	Dr. G. R. Gangadharan
2.	Virtualization Technologies in Cloud Computing	10 – 12	Dr. P. Syam Kumar
3.	Credit Recovery Analytics	10 – 12	Dr. Sagar Koparkar
4.	Cyber Security for Senior Management	12	Prof. B. M. Mehtre
5.	IT Vendor Management	17 – 19	Dr. G. R. Gangadharan
6.	Data Warehousing and Reporting	17 – 19	Dr. S. Nagesh Bhattu
7.	Banking Technologies	17 – 21	Dr. Rajarshi Pal
8.	Vulnerability Analysis and Penetration Testing for Cyber Defence	24 – 28	Prof. B. M. Mehtre
9.	IT Operational Risk Management	Jul 31 – Aug 02	Dr. N. P. Dhavale
10.	UPI / BHIM / Wallets	Jul 31 – Aug 02	Dr. N. V. Narendra Kumar

Please visit our website for more details on programmes at : www.idrbt.ac.in/upcoming.html

Programme Office

Please contact our Programme Office for organizing Customized Programmes and/or any other queries related to programmes:

Dr. M. V. Sivakumaran

Faculty and Coordinator - EEDP

Mr. K. Srinivas

Administrative Executive

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