



Information Sharing and Analysis Center

In support with the Government of India

Presents

MALCON



International Malware Conference

2012

23rd and 24th November 2012, The Lalit, New Delhi

To some it's just an event with focus on malcoders or malwares, but for us - it's a weapon - a display of power and capability as a Nation which can take an offensive approach if needed for defending its cyber space.

About MalCon

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An ISAC project in support with the Government of India, Malcon is a premier Information security conference focused on Malwares. Malcon provides a platform bringing together Malware and Information Security Researchers from across the globe to share key research insights into building and containment of the next generation malwares.

About ISAC

Information Sharing and Analysis Center (ISAC) is a registered non-profit scientific body established to advance the physical and cyber security of the Nation, in support with the Government of India. ISACs across the globe serve a single purpose - to promote information sharing among entities and help with intelligence to secure critical infrastructure of the country. This is much required in India as we are one of the largest democratic nations with multitude of challenges.

ISAC has a single goal - to improve intelligence sharing and collaboration among various law enforcement and intelligence agencies in the country and empower them with the right resources to handle cyber space of the Nation.

Objective of MalCon

1. Empower and promote security research in India.
2. Provide a platform to showcase the best of security research
3. Empower the Government of India with offensive defense capability.
4. Research in next generation malwares and attack vectors
5. Empower the corporate with research to tackle malicious threats to their business

You always wanted
to learn Electronics.

Its time.

To learn & hack :)



MalCon Training

Overview:

The objective of this year's MalCon training is to encourage hackers to learn electronics.. and learn Hardware hacking. The content is designed with an assumption that you have no previous knowledge on this subject.

Objective: :

Get a quick foundation in electronics, Learn about Arduino, Learn how to code for Arduino, Gain confidence to build your own stuff - and hopefully get your foundations for doing electronic warfare :)

Module 1 - Basics of computers : 1 Hour

- Understanding computers and their internal working mechanisms
- Discussing the software aspects in order to equate it with the micro-controller
- Distinguishing processors and controllers.

Module 2 - Understanding the controller : 1 Hour

- Getting to know more about the micro controller
- Understanding internals of a controller
- Choosing the right controller

Module 3 - Bringing a project together 1 Hour

- Discovering what kind of devices are available
- How to choose what device is required
- Creating project with the right devices
- Choosing the right chip.

Module 4 - Hands on with Microcontrollers (Lab) 2 Hours

- A hands-on workshop on Arduino and the reason for choosing Arduino
- Arduino basics
- The language, the software and some basic LED tests
- Understanding interfacing with Arduino

Module 5 - Hands on with interfacing (Lab) 2 Hours

- Hands on LED tests
- Hands on PWM tests
- Hands on Buttons
- Hands on with all three

Module 6 - Projects demonstration 30 Mins

- Ideas and discussions
- Various scenarios
- Project demonstrations and videos
- Next steps with controllers
- Let's build together.

Module 7 - Electronic Warfare 30 Mins

- Pwning Everyday things around
- Info Security in Electronics - a new world to explore
- Electronic warfare - what can be
- Closing Note

Take away kit: Arduino + USB Cable, IR sensors, IR Remote (TV Remote), IR LEDs Rx and Tx, Breadboard + wires, LDR, LEDs (a pack of 10), Buzzer, Buttons, Power adapter

23rd

November!



Whats common in Windows Phone, Google Chrome & Android?



They have been Pwnffaw'ed @ MalCon 2012!

Start	End	24th November
0090	0930	Registration
0930	1000	Key Note
1000	1040	MalCon Talk 01
1040	1100	Tea Break
1100	1140	MalCon Talk 02
1140	1230	MalCon Talk 03
1230	1300	Sponsor Talk 01
1300	1430	Lunch
1430	1500	Sponsor Talk 02
1500	1530	MalCon Talk 04
1530	1600	MalCon Talk 05
1600	1630	MalCon Talk 06
1630	1700	Tea Break
1700	1740	The Big Talk - Making War and Peace with 0-days
1745	1800	Closing Note

Research papers of only the highest quality are shortlisted
at MalCon every year!



Panel Discussion

The Panel discussion will focus on the use of 0-days - and its implication for creating the next war - bringing peace!

Some of the questions we will try to discuss:

What is the impact of 0-days from the context of electronic warfare?

What all in the name of National Security?

Can 0-days be termed as the next generation weapons?

Buying and selling 0-days - Crossing the line of Ethics?

War & Peace - Opportunity or Business as usual?

The Panel members will consist of representatives from both the Indian Government and the corporate enterprise!

The feeling when you PWN em!



BWAH-HA-HA-HA!

MALCON PWNFFAW!! AWARDS\$

MalCon Pwnffaw Awards present challenges in various sections with rich rewards!

**A Total of \$20,000 USD to
Win!**

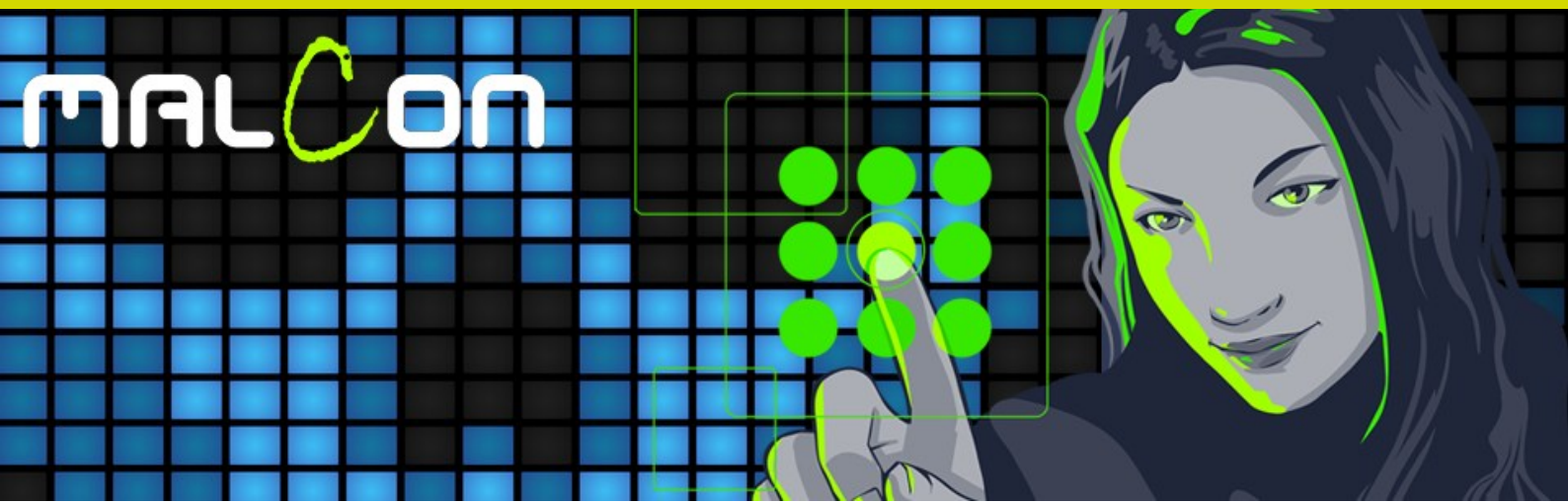
Categories:

Mobile Platform Exploits

Browser Exploits

System Exploits

visit: www.malcon.org for more info!



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