

EI-02 – Applying and Extending the IoT Security Maturity Model

ENABLING IoT

CONNECTED TRANSPORT

MANUFACTURING

HEALTHCARE

ENERGY AND UTILITIES

BUILDINGS & INFRASTRUCTURE

OPEN INDUSTRY



Applying and Extending the IoT Security Maturity Model

Speakers



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The world is changing

The screenshot shows a web browser displaying a news article. The URL in the address bar is <https://ghhackers.com/vn-hackers-clone-the-tesla-car-key/>. The article title is "A Critical Vulnerability in Tesla Model S Let Hackers Clone The Car Key Within 2 Seconds & Steal Car". The author is listed as "By BALAJI M" and the date is "August 26, 2018". Below the title is a "SPONSORED SEARCHES" section with four search suggestions: "car key fob", "passwords list", "phone hacker info", and "windows computers". A large image of a red Tesla Model S is featured below the search section. To the right of the article is a "Newsletter" sign-up form with the text "Signup to get Hacking News & Tutorials to your inbox", fields for "Name" and "Email*", and a "Subscribe" button. Below the newsletter form is a "Unified Endpoint Management" advertisement with a "Get your" button.

← <https://ghhackers.com/vn-hackers-clone-the-tesla-car-key/> Search...

Critical Bug in Tesla Car Let ...

CVE Vulnerability

A Critical Vulnerability in Tesla Model S Let Hackers Clone The Car Key Within 2 Seconds & Steal Car

By **BALAJI M** · August 26, 2018

SPONSORED SEARCHES

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Bug in Tesla Let Hackers Clone Tesla Car Key within 2 Seconds

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Is It Secure?



- Is my IoT infrastructure developed, deployed and operated securely?
- By deploying IoT which security risks am I taking for the rest of my business?
- Who can evaluate my IoT infrastructure and give me a threat assessment?
- How much should I spend on security for my needs?
- How do I identify actions I need to take including process improvements, security techniques and security mechanisms?

Which raises the question:

Where do we draw

the line?

Many security frameworks

Common Criteria	Requirements	Functional Specification	HLD	LLD	Implementation
EAL 1	Informal	Informal	Informal	Informal	Informal
EAL 2	Informal	Informal	Informal	Informal	Informal
EAL 3	Informal	Informal	Informal	Informal	Informal
EAL 4	Informal	Informal	Informal	Informal	Informal
EAL 5	Formal	Semiformal	Semiformal	Informal	Informal
EAL 6	Formal	Semiformal	Semiformal	Semiformal	Informal

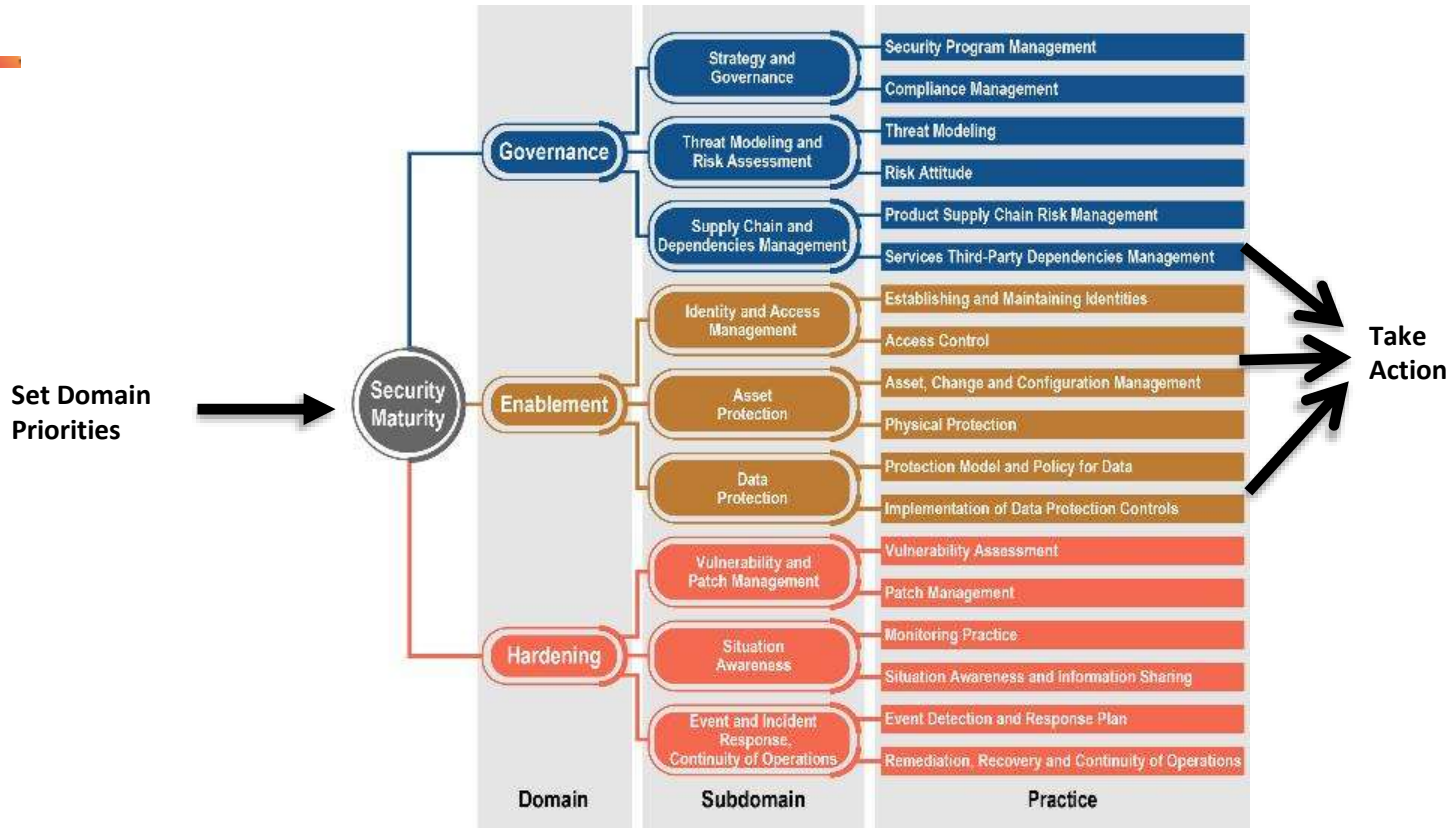


C2M2 - Components

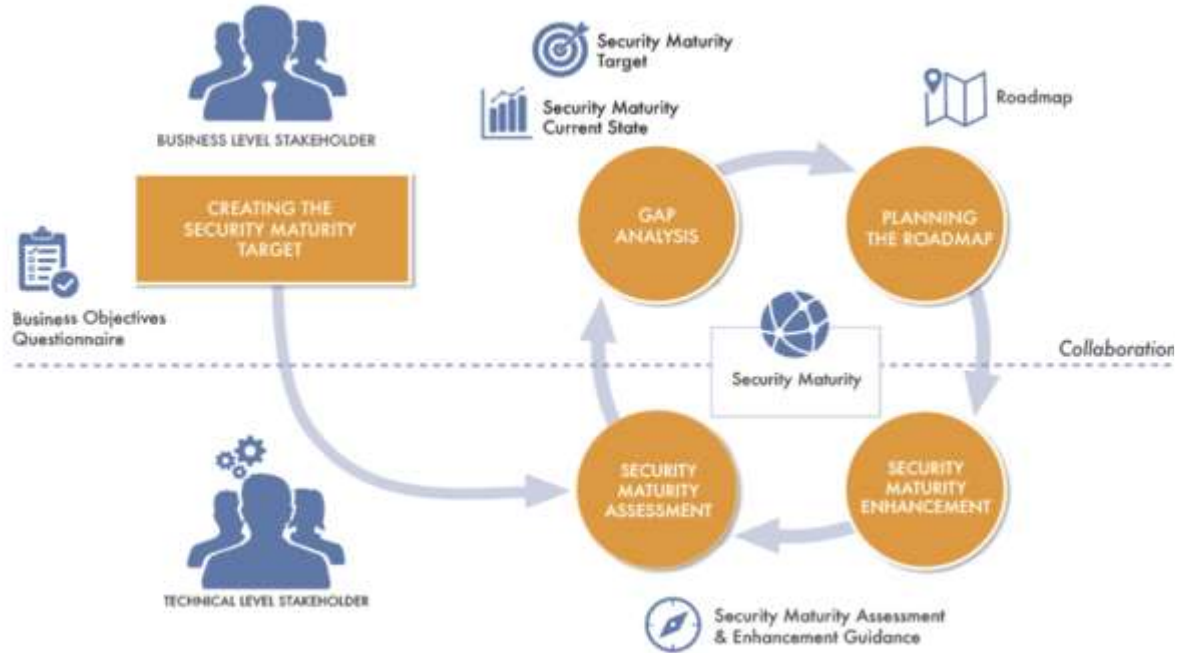
REPORTING



Security Maturity Model



SMM Assessments



SMM Profiles



Guidance and
next steps



What's Next?



As secure as you need to be!



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SAVE THE DATE
29 - 31 October 2019



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