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PANDORA SECURITY LABS

Expert advice. Experience advantage.
Proactive Security Solutions Through Cutting-Edge Research.

Secure Programming Best Practices
Jonathan C. Mantua



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Proactive Security Solutions Through Cutting-Edge Research.

We are a
Security-as-a-Service
provider company

Providing businesses with on-demand IT
security resources for them to meet 24x7
proactive security requirements.

We Make IT Secure

Developing Secure Applications

Quick Tips

Always Use TLS

Always Use TLS

- Transport Layer Security
- Latest version 1.2
- Ensures that data is encrypted as it travels the wire
- Ensures integrity using message authentication code

Always Use TLS

Demo : What happens to a site without TLS?

Always Use TLS

- You have to buy SSL certificates and install it to your web server
- Free alternative : Lets Encrypt Project

<https://letsencrypt.org/>

Always Use TLS

- Check your TLS implementation – use SSLabs ssl testing tool

<https://www.ssllabs.com/ssltest/>

Try snooping in yourself!

- Download and install wireshark - <https://www.wireshark.org/>
- Get the IP of the target website by going to the command line and typing in “ping demo.testfire.net”
- Open wireshark and select (double click) your network interface
- Go to <http://demo.testfire.net/>
- Profit!

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Who we are. Why we exist.