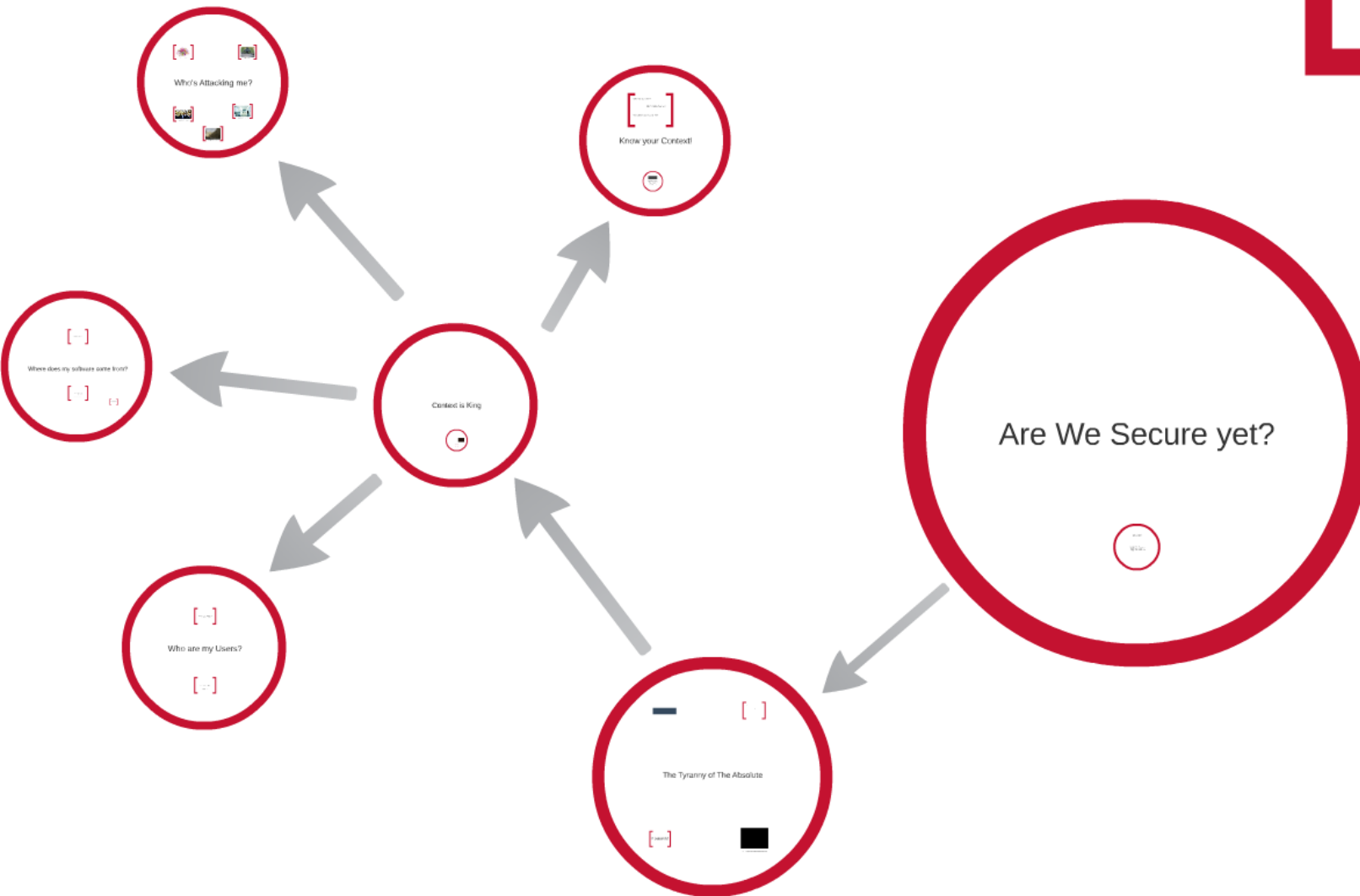


Website: trustforum.nccgroup.com
Twitter: @NCCTrustForum
Email: trustforum@nccgroup.com

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Are We Secure yet?



About Me

- Info/IT Security for "x" years
- Security Consultant/Ethical Hacker/Penetration Tester
- Managing Consultant at NCC Group PLC
- Contributor to security.stackexchange.com and OWASP

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The Tyranny of The Absolute



The Tyranny of The Absolute

“All transactions made through [redacted] on our secure server are safe. A software protocol called Secure Sockets Layer Secure (SSL) is used for all pledges. It encrypts all of your personal information—including credit card number, name and address— as it travels over the internet. SSL is the industry standard and among the best software available today for secure commerce transactions. All of the credit card information is stored on a secure, dedicated database.”

How Do I Become Secure?

Will This make me Secure?

Is this secure?



It Depends!



Image Credit - <https://www.flickr.com/photos/jantik/28934664/in/photostream/>

Context is King





Image credit - <https://i.cdn.turner.com/cnn>



Image Credit - <https://i.cdn.turner.com/cnn>

[
Laugh
&
Wow
]



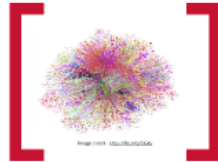
Image credit - <https://flic.kr/p/b6Mx5V>



Image Credit - <https://flic.kr/p/4Lnewf>

The image features two large, red L-shaped corner brackets. One is positioned in the top-left corner, and the other is in the bottom-right corner, framing the central text. The brackets are thick and have a slight shadow effect.

Laugh
&
Wow



Who's Attacking me?

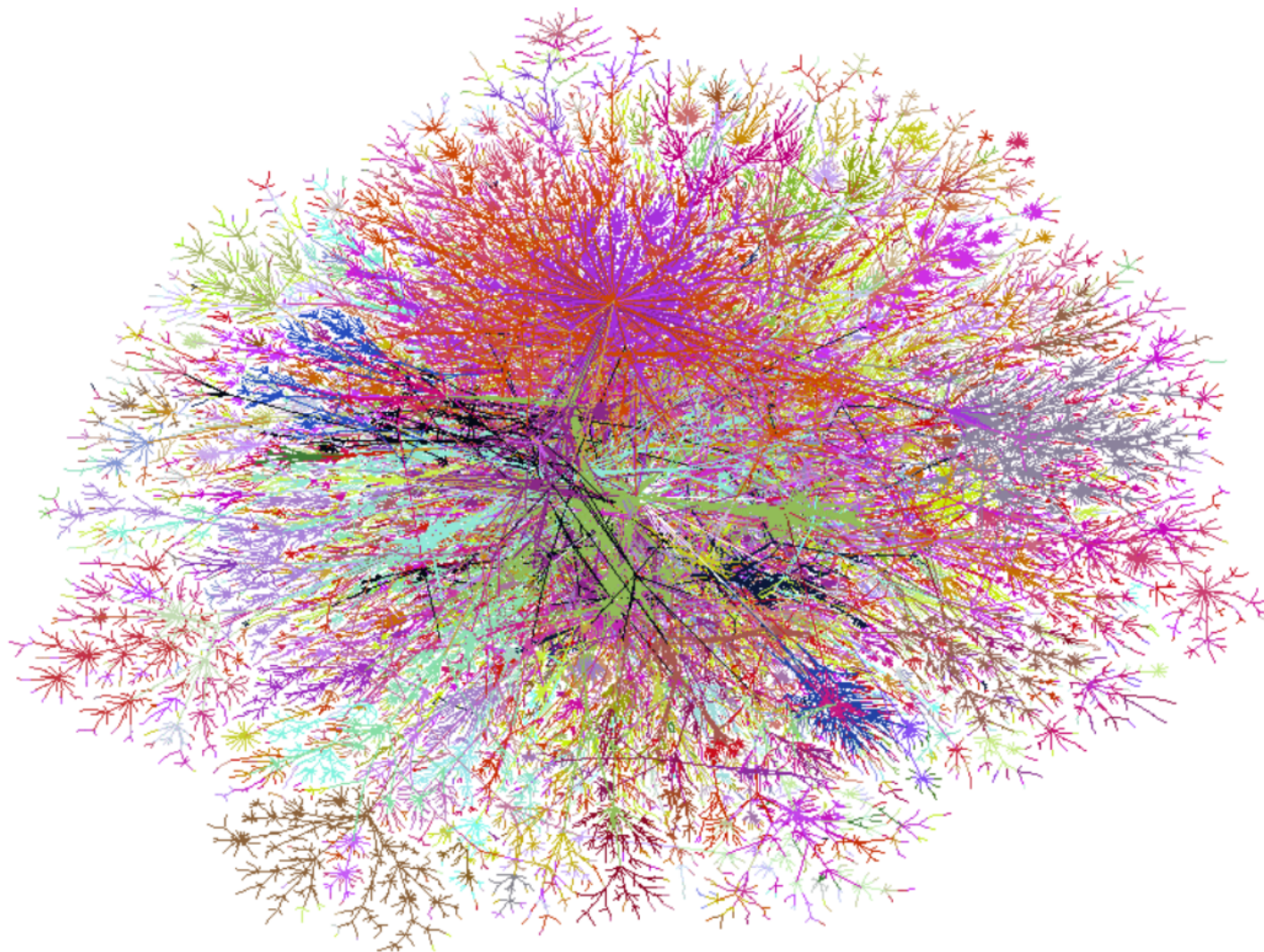


Image credit - <https://flic.kr/p/5Gky>



Image Credit - <https://flic.kr/p/3r4UCy>



Image credit - <https://flic.kr/p/4rk9E4>



Image credit - <https://flic.kr/p/2VJvfu>



Image credit - <https://flic.kr/p/7cUQpF>



[]
Why Does it Matter?

Who are my Users?

[]
Where Does it Go Wrong?

The image features two large, red L-shaped corner brackets. One is positioned in the top-left corner, and the other is in the bottom-right corner, framing the central text. The brackets are thick and have a slight shadow effect.

Why Does it Matter?

Where Does It Go Wrong

"Celebrity Hacking"

"Celebrity Hacking"

[Why does it matter?]

Where does my software come from?

[Where does it go wrong?]

[]

The image features a white background with two large, red L-shaped corner brackets. One bracket is positioned in the top-left corner, and the other is in the top-right corner. The text "Why does it matter?" is centered on the page.

Why does it matter?



Where does it go wrong?

```
env x='() { :}; echo vulnerable' bash -c "echo this is a test"
```



... ..

```
env x='() { :; }; echo vulnerable' bash -c "echo this is a test"
```

Some Upcoming Risks

Who are my users?
Who's Attacking me?
Where does my software come from?

Know your Context!



Who are my users?

Who's Attacking me?

Where does my software come from?



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Questions?

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