

Satan is on my Friends List

Attacking Social Networks

Shawn Moyer

agura digital security

Blackhat {at} agurasec.com

Nathan Hamiel

Idea Information Security

Nathan {at} neohaxor {dot} org



BlackHat

We're in your Extended Network!

- Nathan Hamiel

- Senior Consultant at Idea InfoSec
- Associate Professor at UAT

- Shawn Moyer

- Too-frequent BH speaker
- InfoSec Consultant @ AguraSec

And so is...

satan is in your extended network

satan's Latest Blog Entry [[Subscribe to this Blog](#)]

hello ([view more](#))

[[View All Blog Entries](#)]

satan's Blurbs

About me:

I am the lord of all darkness.

Who I'd like to meet:

Anyone who is looking for a a good time.

Anyone who is looking for a a good time.

WHO I'D LIKE TO MEET:

Why should you care?

- 5 of the Alexa top 20 sites are SocNets

Why should you care?

- 5 of the Alexa top 20 sites are SocNets
- Hundreds of networks, millions of users*

Why should you care?

- 5 of the Alexa top 20 sites are SocNets
- Hundreds of networks, millions of users*

*And by "users", we mean "targets".

Why should you care?

- 5 of the Alexa top 20 sites are SocNets
- Hundreds of networks, millions of users*
- Rapid adoption as a business tool

*And by "users", we mean "targets".

Why should you care?

- 5 of the Alexa top 20 sites are SocNets
- Hundreds of networks, millions of users*
- Rapid adoption as a business tool
- Not just emo kids and camwhores anymore!

*And by "users", we mean "targets".

Samy is so... 2005.

- Not (just) about wormable XSS, etc

Samy is so... 2005.

- Not (just) about wormable XSS, etc
 - User-generated applications and content

Samy is so... 2005.

- Not (just) about wormable XSS, etc
 - User-generated applications and content
 - Complex and diverse attack surface

Samy is so... 2005.

- Not (just) about wormable XSS, etc
 - User-generated applications and content
 - Complex and diverse attack surface
 - Logic flaws and “innocuous” functions

Samy is so... 2005.

- Not (just) about wormable XSS, etc
 - User-generated applications and content
 - Complex and diverse attack surface
 - Logic flaws and “innocuous” functions
- Integration and shared exposure

Samy is so... 2005.

- Not (just) about wormable XSS, etc
 - User-generated applications and content
 - Complex and diverse attack surface
 - Logic flaws and “innocuous” functions
- Integration and shared exposure
 - OpenSocial and 3rd party development platforms

Samy is so... 2005.

- Not (just) about wormable XSS, etc
 - User-generated applications and content
 - Complex and diverse attack surface
 - Logic flaws and “innocuous” functions
- Integration and shared exposure
 - OpenSocial and 3rd party development platforms
 - Amalgamated XML-ified goop (REST/JSON/etc)

Samy is so... 2005.

- Not (just) about wormable XSS, etc
 - User-generated applications and content
 - Complex and diverse attack surface
 - Logic flaws and “innocuous” functions
- Integration and shared exposure
 - OpenSocial and 3rd party development platforms
 - Amalgamated XML-ified goop (REST/JSON/etc)
 - Convenient, well-documented APIs to craft attacks

Antisocial Networking

- Exploiting the web of trust

Antisocial Networking

- Exploiting the web of trust
 - Zero (or less) validation of identity, easy social proof

Antisocial Networking

- Exploiting the web of trust
 - Zero (or less) validation of identity, easy social proof
 - SocEng + client-side vuln mashups = FAIL

Antisocial Networking

- Exploiting the web of trust
 - Zero (or less) validation of identity, easy social proof
 - SocEng + client-side vuln mashups = FAIL
 - High hit rate and low line noise for directed attacks

Antisocial Networking

- Exploiting the web of trust
 - Zero (or less) validation of identity, easy social proof
 - SocEng + client-side vuln mashups = FAIL
 - High hit rate and low line noise for directed attacks
- “Your profile is incomplete!”

Antisocial Networking

- Exploiting the web of trust
 - Zero (or less) validation of identity, easy social proof
 - SocEng + client-side vuln mashups = FAIL
 - High hit rate and low line noise for directed attacks
- “Your profile is incomplete!”
 - Voluntary and indiscriminate info leakage

Antisocial Networking

- Exploiting the web of trust
 - Zero (or less) validation of identity, easy social proof
 - SocEng + client-side vuln mashups = FAIL
 - High hit rate and low line noise for directed attacks
- “Your profile is incomplete!”
 - Voluntary and indiscriminate info leakage
 - Data aggregation, inference and profiling

Antisocial Networking

- Exploiting the web of trust
 - Zero (or less) validation of identity, easy social proof
 - SocEng + client-side vuln mashups = FAIL
 - High hit rate and low line noise for directed attacks
- “Your profile is incomplete!”
 - Voluntary and indiscriminate info leakage
 - Data aggregation, inference and profiling
 - Cross-pollination of online personae

What we've been up to...

- Pro Bono security audits of major SocNets

What we've been up to...

- Pro Bono security audits of major SocNets
- Social experiments and misc tomfoolery

What we've been up to...

- Pro Bono security audits of major SocNets
- Social experiments and misc tomfoolery
- Finding new ways to get accounts deleted

What we've been up to...

- Pro Bono security audits of major SocNets
- Social experiments and misc tomfoolery
- Finding new ways to get accounts deleted
- Hastening the apocalypse (not really)