



Closing workshop

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<https://groups.google.com/group/secappdevorg>

Overview

- New things learned
- Things to avoid
- Puzzles
- Monday

New things learned

Single most important new thing learned

Reflection (3')

Max 7 words

Understand items on the list

Clarification

Where was this discussed?

Why is this important?

RC4 has security problems too

Complexity is the enemy of sec.

Always foresee algorithm agility in
your code

Companies deal with security like
pollution

David vs. Goliath

Not only what, but also how
Security depends on the
weakest link

Pick your battles, go step by step

Safe password storage is hard

Be paranoid while coding

GCM mode is hard to implement
correctly

Things to avoid

Single most instructive mistake

Reflection (3')

Max 7 words

Understand items on the list

Clarification

Why is this important?

Things to avoid

- Implementing solutions without explicit threat model
- Working alone
- Avoid assuming your passwords will not be exposed
- Forgetting the end user might be the weakest link
- Crypto complacency
- Leaving unencrypted data on a mobile device
- Forgetting the social part
- Giving unanalyzed code review reports to developers
- Avoid forgetting the master password to your password vault
- Avoid making it too complex
- Input sanitization with a character blacklist
- Build your own security protocol

Puzzles (15')

- The intuitive thing should be the secure thing
- Secure framework defaults for developers
- How to securely store passwords
- **What is the incentive to write secure code**
- Desire to learn more about threat modeling
- Taking the threat to the economics
- Money/Time/Quality Tradeoff
- How to get developers to use crypto correctly
- What are the architectural level principles to build secure systems
- What are the good libraries I should be using for security?
- What are good functionalities that should use?
- Secure Frameworks needed

On Monday, I will...

Groups of 4

present candidates (5')

vote

prepare pitch (5')

Present an action for Monday (30")

ask for clarification (5')

Discuss



Thank you

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