



Promoting Security Awareness

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Scope of Discussion

We are not covering the technical side of security, but the process of making users aware of the behaviors behind safe computing environments.

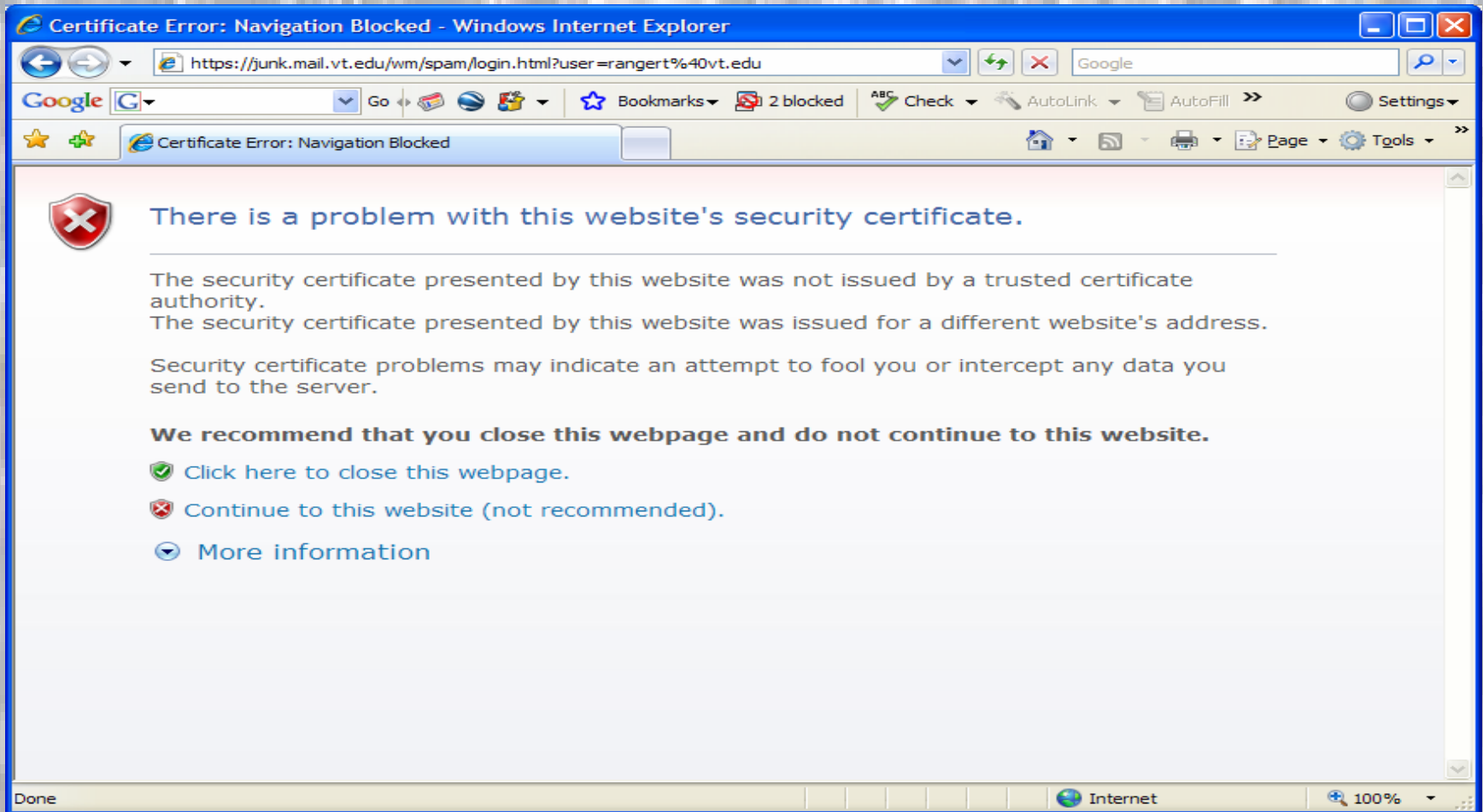
What is Security?

- Integrity
- Availability
- Confidentiality

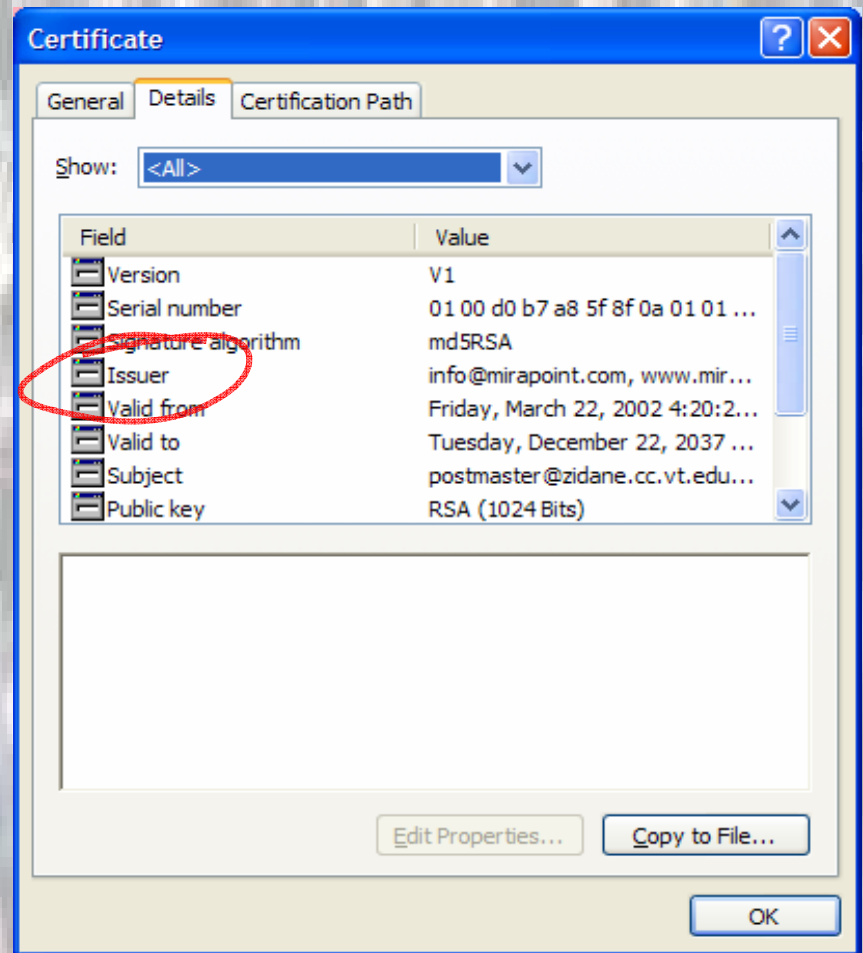
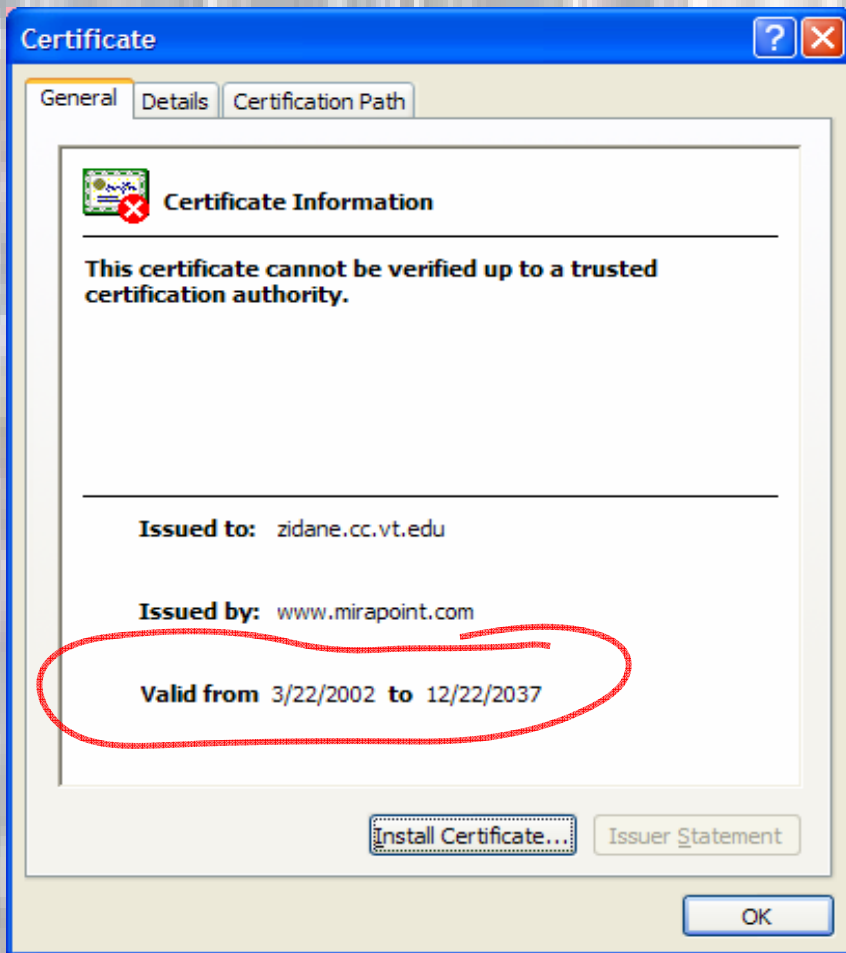
What is Awareness?

- Users thinking about their actions
- Sufficient knowledge to make decisions
- Knowing who to ask for [help](#)

Certificate Awareness



Certificate Details



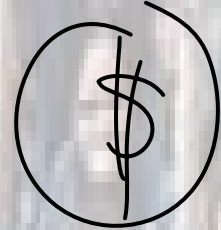
What tools do we have?

- User Guidelines
- State, University and Department policies
- Newsletters, posters, emails, blogs, podcasts, comics, etc.
- Education: general training and specific security training.
- Quizzes: confirm users' knowledge

What is the message?

- FLOOD THE POPULATION

- ORIENTATION - NEW EMPLOYEES
- CLASSES - STUDENTS
- FACULTY DEVELOPMENT



- LOSSES SPUR INTEREST

- RENEW ID - TAKE TRAINING / PASS TEST

- MUSIC DOWNLOADS COSTLY / CLOG NETWORK

- GET THEIR ATTENTION! BAD TIMING -

- TOP MANAGEMENT BUY-IN

- VITA MOTE TOOL

- STANDARDIZED CONFIGS ON HARDWARE

Your Experiences

What Works in your situation and why?

- MAKE AN EXAMPLE OF VIOLATIONS
- HAVE VIOLATORS GIVE PRESENTATIONS TO PEERS
- RISK ASSESSMENT / GET MESSAGE TO MANAGEMENT
FIX = >\$
- SECURITY "REVIEWS"

Your Experiences

CULTURE CHANGE

What has not worked and why?

- TRUST - UNMANAGED SERVERS
 - Shared Passwords / not reset
 - AFTER COMPROMISE → ACTION

↳ "THEY" need to want to "do it."



SHARE PASSWORDS OR WRITE THEM DOWN

New and sharper tools

What would you like to try?

- TIE SECURITY TO SOMETHING THAT MATTERS.
 - GRADES
 - GRADUATION
 - FINANCIAL AID?
 - REGISTRATION
 -
- MONITOR MACHINES ON NET FOR PAPERES, ETC.
- INCENTIVE TO COMPLY - PENALTY IF NOT
- COMMUNICATE VALUE OF SECURE ENVIRONMENT.

New and sharper tools

Would you like to be part of an on-going effort to develop shared tools for promoting security awareness?

Links

- [Educause Cybersecurity Awareness Resource Library](#)
- [Microsoft Security Awareness Program Toolkit](#)
- [UMW Security Blog](#)
- [VT Security Page](#)
- [UVA Security and User Certification Pages](#)
- [VMI Security Awareness Policy](#)
- [VASCAN](#) conference Oct 18-19, 2007



Thanks for Attending

Please consider including security awareness concepts in any training and support activities you deliver.

Ron Angert and Clay Calvert