



T-110.5190 Seminar on Internetworking

Research Topics

Helsinki University of Technology
Telecommunication Software and
Multimedia Laboratory
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Skype Security

- Skype Security Analysis
 - Skype security features
 - Do you see Skype more or less security in the terms of confidentiality, availability, privacy etc. compared to traditional (circuit-switched) voice?
 - Risks Skype can cause to end-users?
 - Any possibilities or needs to enhance the security?

Skype Security (Cont.)

- The topic is suitable for students with a basic understanding of security and VoIP
- Reference(s):
 - Skype security resource center
<http://www.skype.com/security/>
 - VoIP and Skype Security
http://www.simson.net/ref/2005/OSI_Skype6.pdf
 - An Analysis of the Skype Peer-to-Peer Internet Telephony Protocol
<http://www1.cs.columbia.edu/~library/TR-repository/reports/reports-2004/cucs-039-04.pdf>

eBay as Identity Provider

- eBay acquired Skype late 2005. eBay and Skype both have identities and own trust network. Will it be possible to merge different identities being used by eBay and Skype?
 - If so, how?
 - If so, how trustworthy this identity will be?
 - If so, what kind of effect this identity can have?
Subscription base is very large (over 280M), so with this large number of users, creating de-facto system is possible

eBay as Identity Provider

- The topic requires good understanding about digital identities and trusted systems. eCommerce understanding is a benefit
- Reference(s)
 - eBay to Acquire Skype
http://www.skype.com/company/news/2005/skype_ebay.html
 - eBay to Acquire Skype
<http://investor.ebay.com/event.cfm>