Worksheet 10
A bit of SNMP
Organisational stuff

- **short extra-credit** worksheet
  - worth 50 points
  - won’t add to the required total score (885)
  - => you need 663 to pass, 840 for a strait 1.0
  - <25% rule still counts (and includes this worksheet)
SNMP

- the most common mgt protocol on the Internet
- runs on UDP
- client-server
- participants:
  - 1 manager / Management Station
  - 1-* management agents (on each managed device)
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SNMP (II)

- Operations: get, set, (trap), (traversal)
- Security: By a simple shared secret (community)
- Extended version: v3 (not covered here)
SNMP MIB

- MIB := Management Information Base
- groups the managed objects in a hierarchical namespace
- individual objects addressed via OID (Object Identifier)
- each object contains 0-* instances (variables)
An SNMP Packet

- Is called **PDU** (Protocol Data Unit)
- contains: command, Request ID, Error status, variables
Tools

- `snmpget` - query a specific object variable
- `snmpset` - set a specific object variable
- `snmpwalk` - hierarchically list MIB subtree
Evaluation

- We’d like to get your feedback on this course
- Handing in an evaluation form will get you 5 points in this assignment :-D
- The content of your comments is of course not graded
That’s all, folks!

- Worksheet 10 is due
  - Friday, July 18th, 2008, 08:00 am
- Q+A: Monday, 15:00
- Next Thursday: Beergarden tutorial