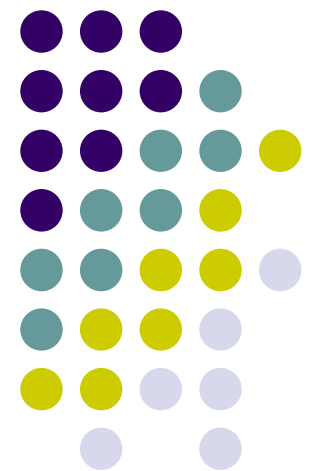


# **mcview – A tool for visualising and debugging interdomain multicast**

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# Introduction



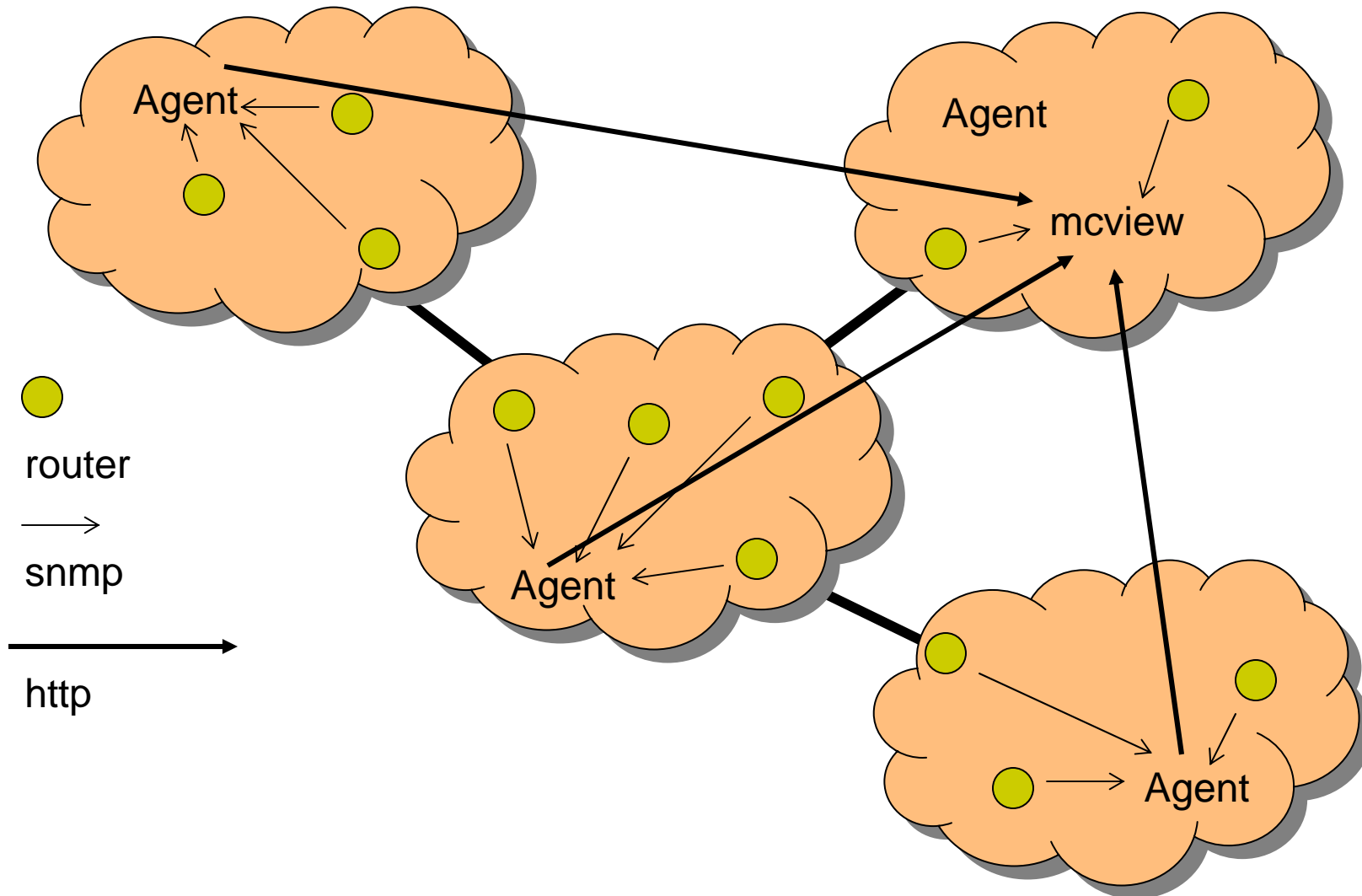
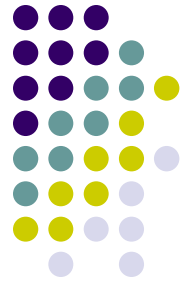
- There are very few tools that can help network administrators narrow down multicast problems
  - mtrace is one existing tool
  - Often one needs to log into individual routers and have a very good understanding of PIM and the routers
- For interdomain multicast the situation is even worse
  - An administrator in one domain cannot check routers in other domains (except looking glasses)
  - Often one administrator will have to mail admins in other domains
  - May not even know in which domain the problem is

# mcview overview

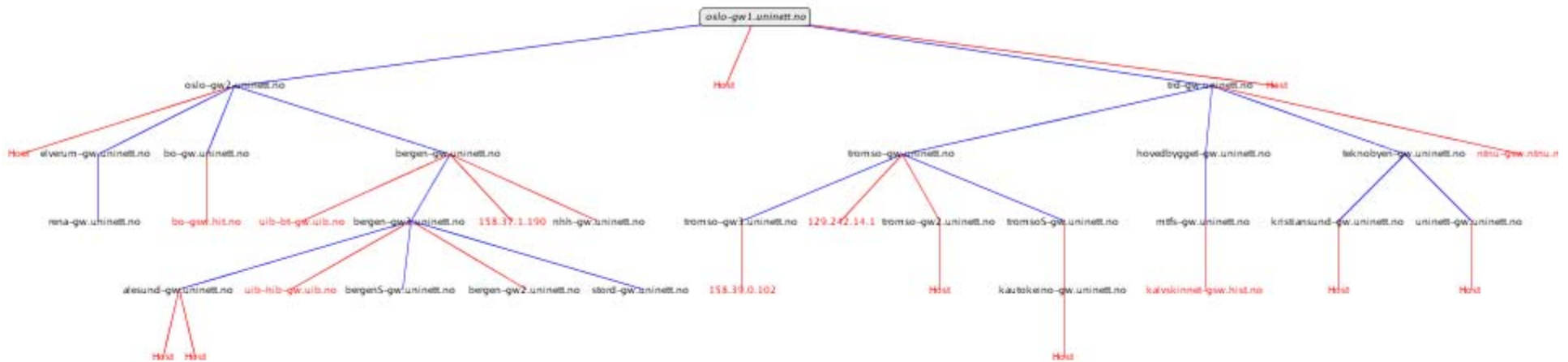


- mcview is currently a Java based application
- uses SNMP to gather status from routers
- Usually only the network administrators in a domain can use SNMP with the domain's routers
  - To solve this, mcview can use agents
- Each domain should ideally run an agent
  - The agent talks SNMP to the local routers and aggregates and present only the information needed for the mcview application
- Will make use of PerfSONAR architecture for communication with agents, location service and AAA

# mcview, domains and agents



# The IPv4 SAP group in UNINETT



# Further information/download



- You can fetch the tool from <http://software.uninett.no/mcview/>
- Please contact me if you have questions or feedback
- I would be quite happy for any feedback on functionality to add, user interface etc
- My address is [venaas@uninett.no](mailto:venaas@uninett.no)