



Akademska in raziskovalna mreža Slovenije

Added Value Services for Schools - Required Technology & Resources

Tomi Dolenc

Academic and Research Network of Slovenia

tomi.dolenc@arnes.si

- ⇒ Why do we want/need to provide them?

- ⇒ Because schools need them
 - Or possibly government believes schools need them

- ⇒ Because we are better than those c... ISPs
(= everything we provide contains added value)

- [access, mail + AVS, webhosting+, hosting central services]
- Technology: everything schools may want to play with
 - Videoconferencing
 - Multicast
 - QoS, Premium IP ...
 - AAI, Eduroam
 - ...?
- Router management at customer's side
 - Monitoring, maintenance and troubleshooting
 - ACLs (customized model/template)
- Support
- International cooperation (GÉANT) added value
 - End to end service

➤ Infrastructure

- Sufficient BW on backbone
- QoS, multicast, ... enabled all the way to the user

➤ Connectivity – access network

- L2, L3, tunneling (other ISP)?
- BW, QoS, ...(SLA models?)

➤ Does my model enable the required level of QoS?

➤ Human resources

- Support!!
- Service administration and maintenance
 - Scalability
 - Routine – need for automatization

➤ International collaboration (can we do it?)