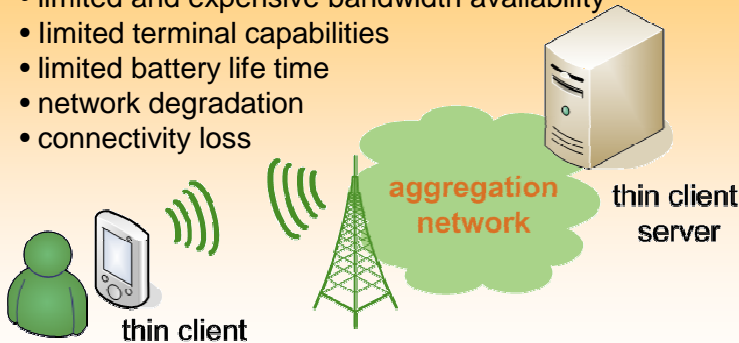


MobiThin Thin Client Protocol Optimization



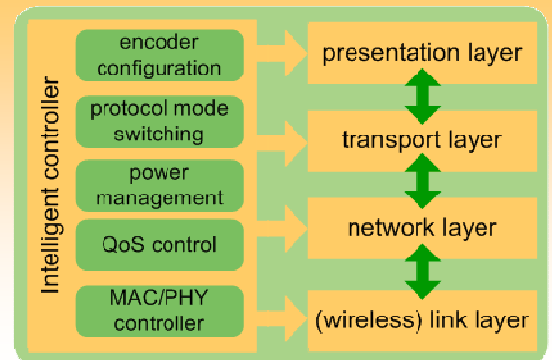
Thin client protocol semantics must be ensured in a **wireless, constrained device context**

- limited and expensive bandwidth availability
- limited terminal capabilities
- limited battery life time
- network degradation
- connectivity loss



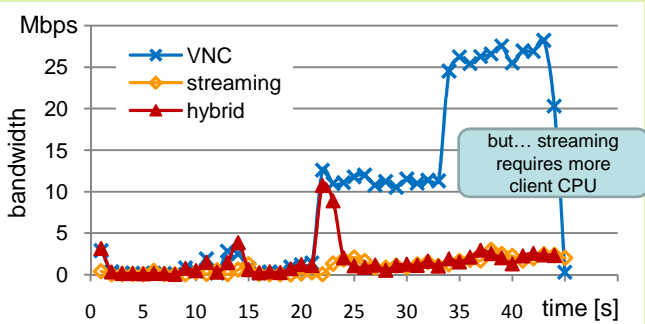
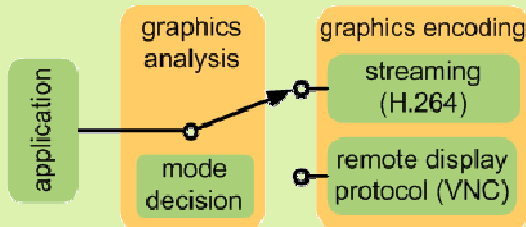
need for an adaptive, network-aware protocol

Adaptive cross-layer protocol



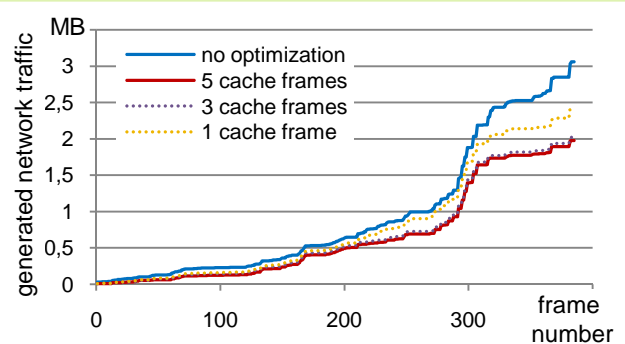
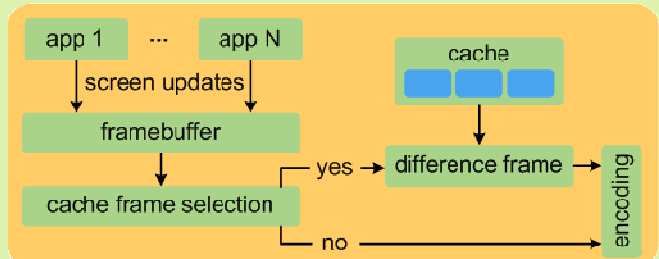
Hybrid remote display protocol

switch between VNC and H.264 depending on amount of motion in the visual content



Caching of graphical updates

exploit long-term redundancy in consecutive frames



For more information: www.mobithin.eu

Bart DHOEDT

or

Jean-Charles POINT

bart.dhoedt@intec.ugent.be

pointjc@jcp-consult.com