

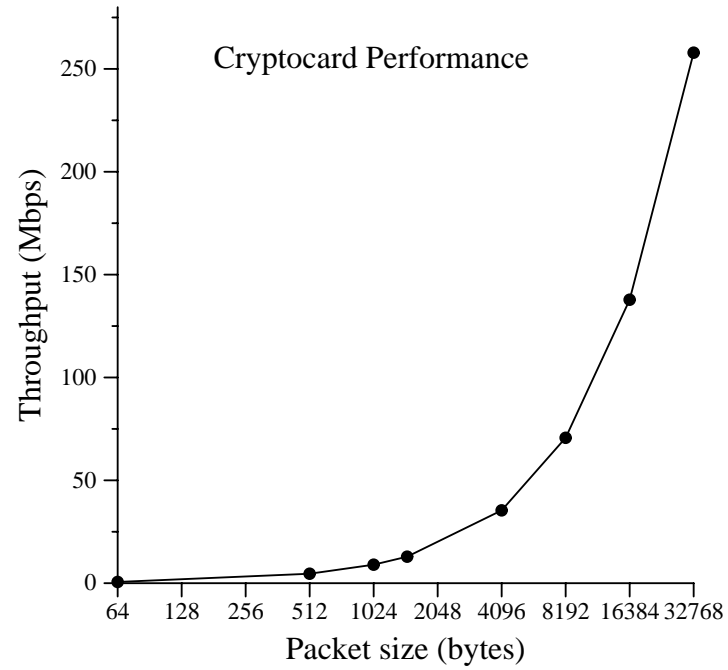
Some IPsec Performance Indications

Angelos Keromytis (Columbia University)
angelos@cs.columbia.edu

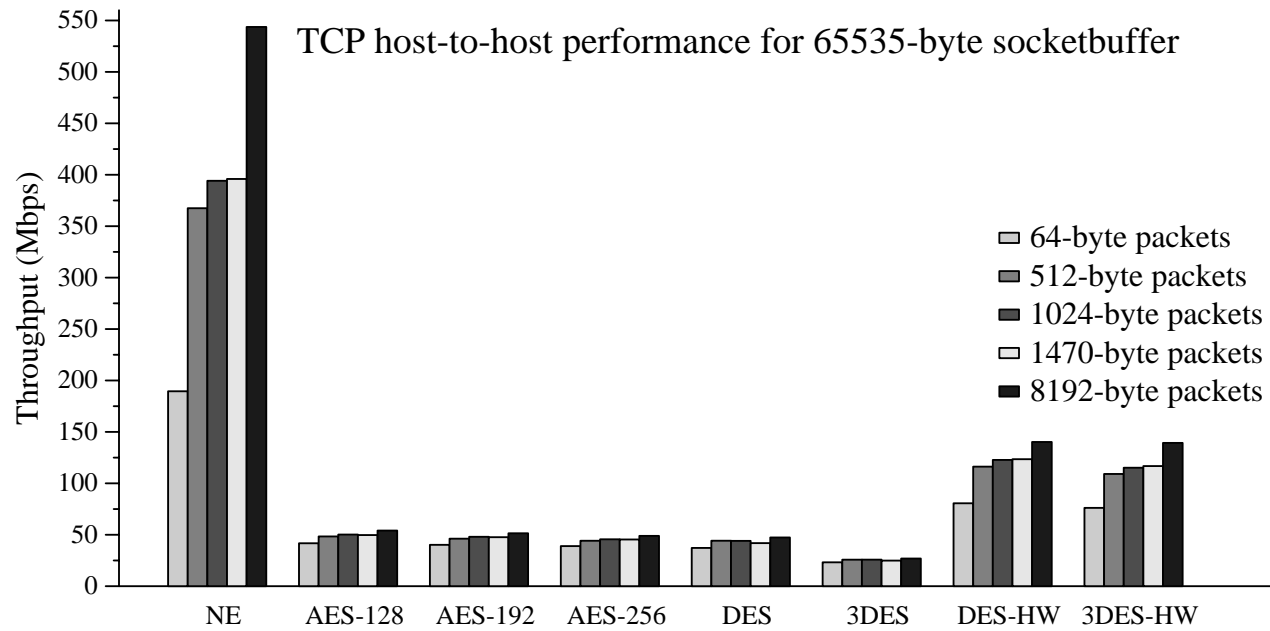
How fast can it go ?

- Host-to-host
- Gateway-to-gateway
- Host-to-gateway-to-host
- Different security protocols
 - Hardware accelerators
- G-Ethernet, G-P111's, OpenBSD 3.0
- Cryptocards rated for 300Mbps

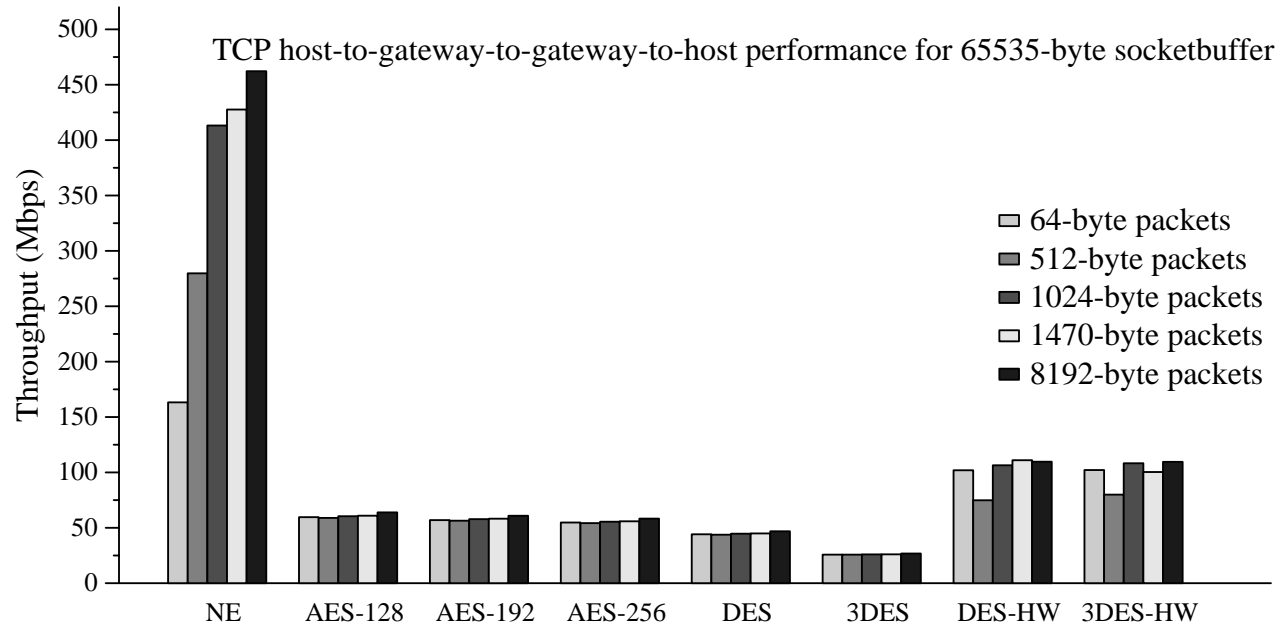
Cryptocards



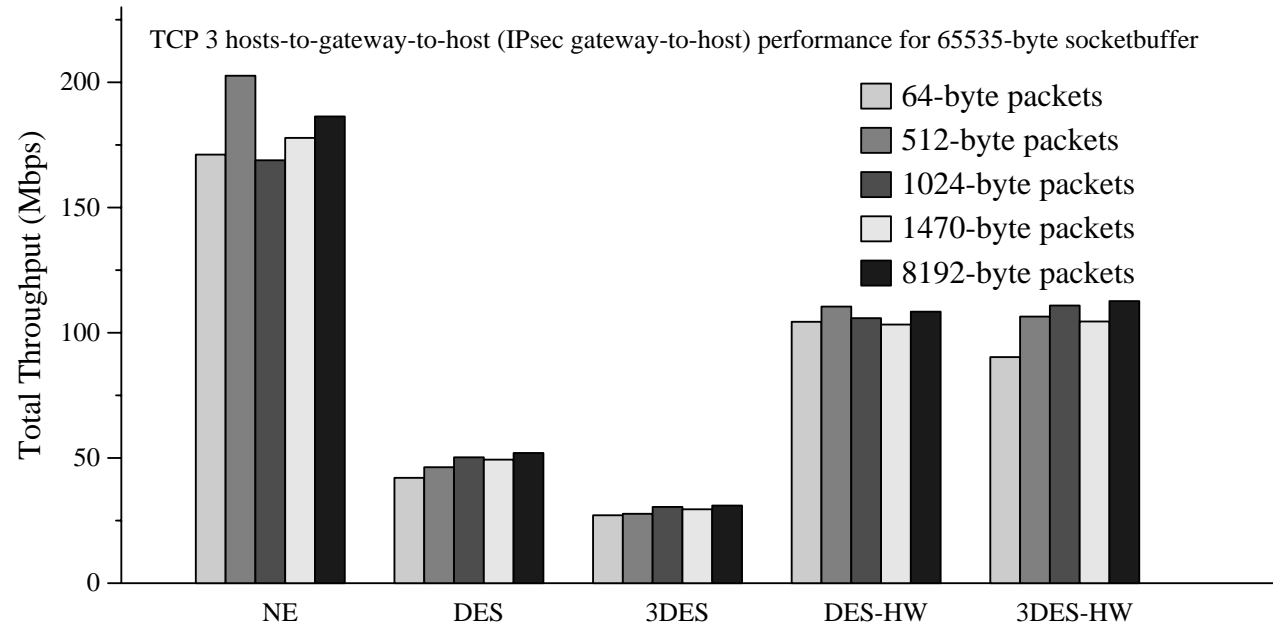
Host-to-Host



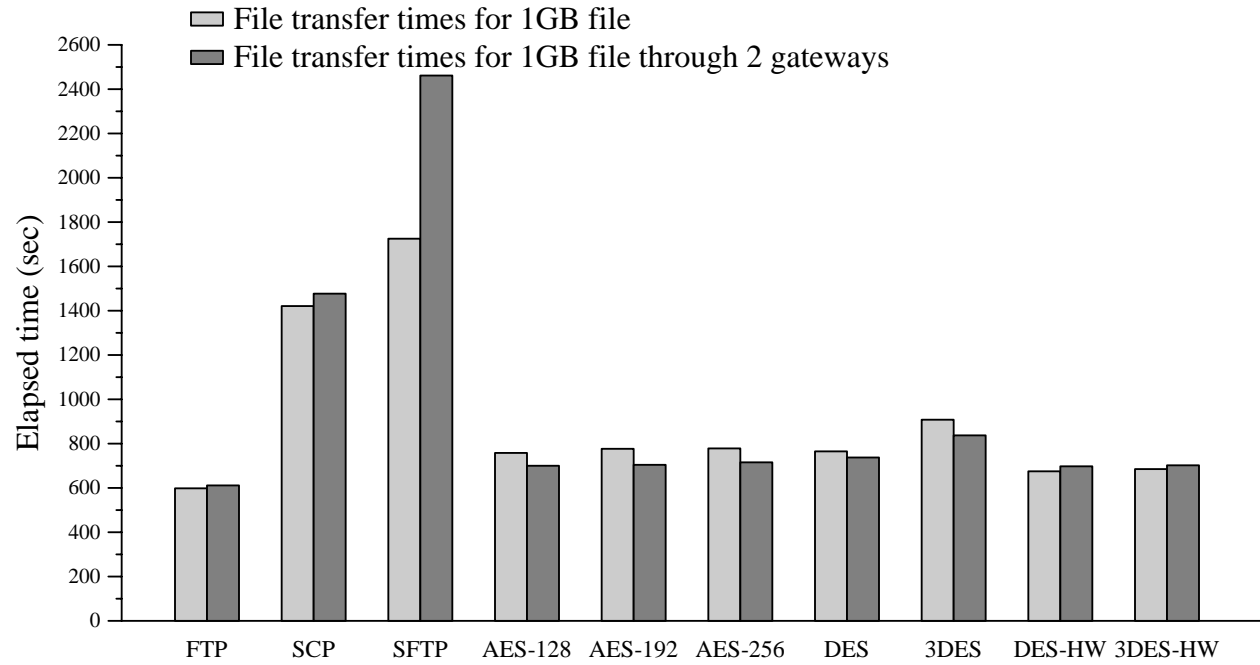
Host-Gateway-Gateway-Host



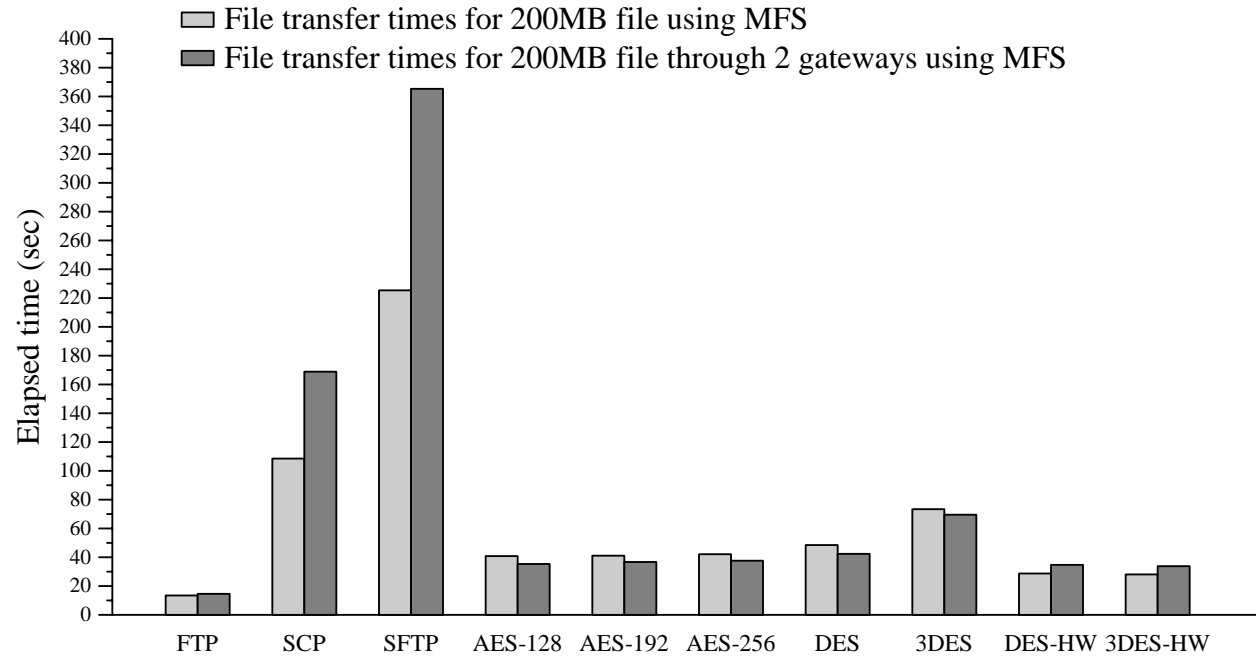
3-Hosts-Gateway-Host



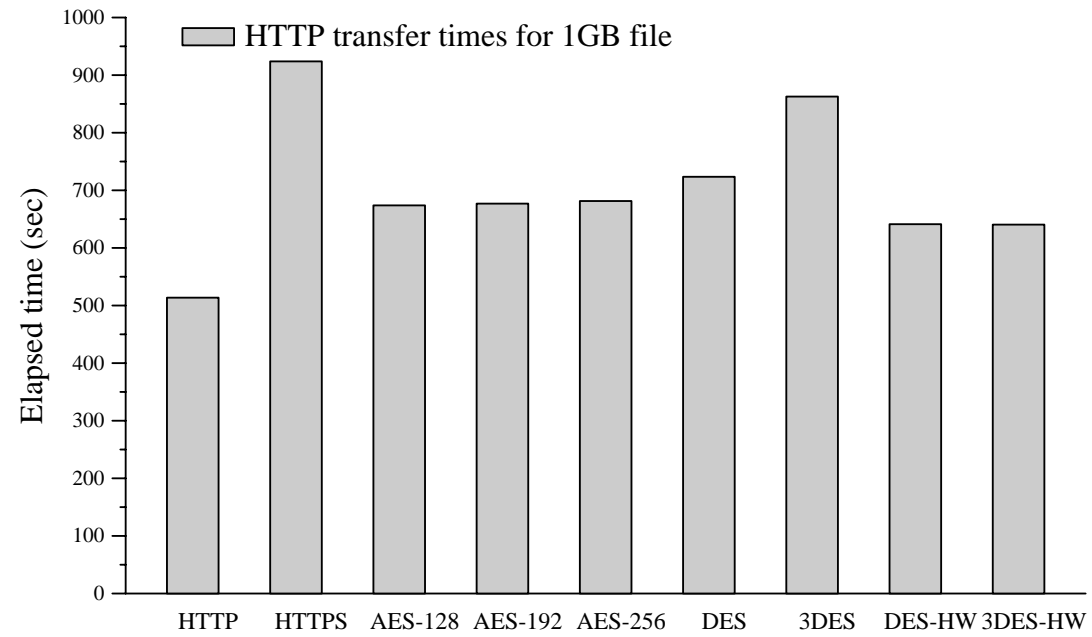
Filetransfer/FFS



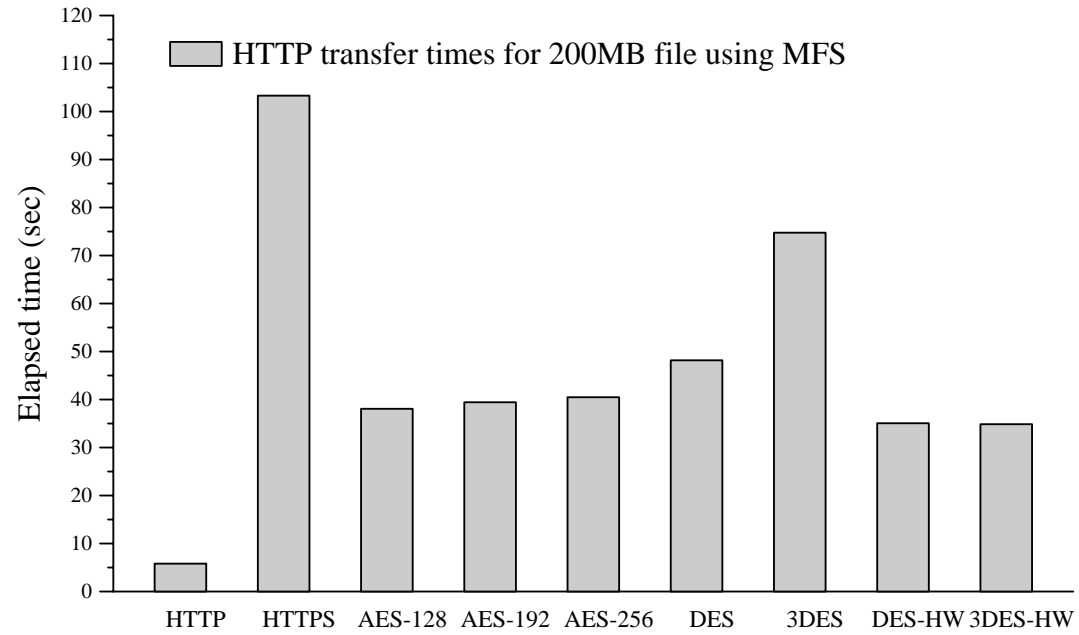
Filetransfer/MFS



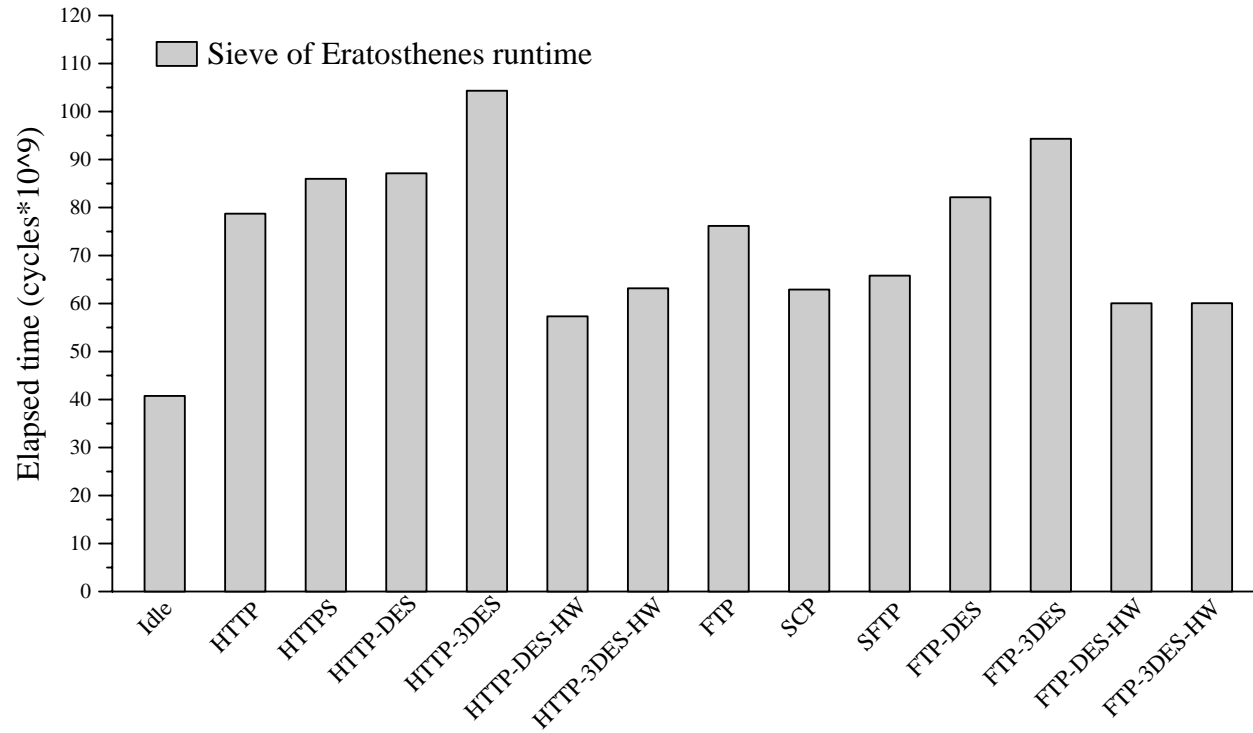
File transfer/HTTP



File transfer/HTTP/MFS



Offloading



Acknowledgements

- Sotiris Ioannidis, Stefan Miltchev (U. Pennsylvania)