

Onward to cpu + data + net orchestration

Franco Travostino

travos@nortel.com

Director, Advanced Technology, Nortel Area Director for Infrastructure, GGF (formerly GHPN co-Chair since '03)

Mission

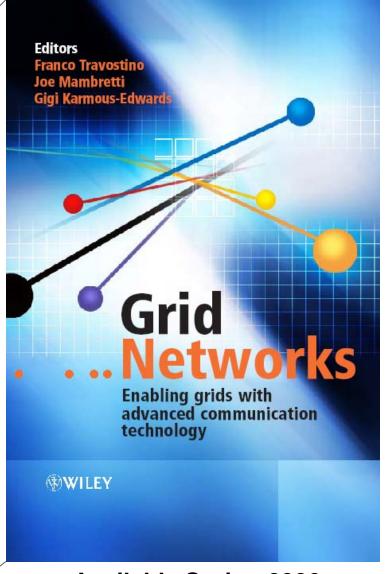


- > The Contract between Applications and Nets needs a overhaul
 - written at times when Portability tackled in 80's style meant Everything
- > We're **NO** longer happy to adapt Applications to the Network
- > Rather, we often wish to have Networks adapt to Applications
- > To improve on user experience AND optimize CapEx/OpEx

1st Public Demo: Applications allocating Optical Resources (SuperComm 2001)

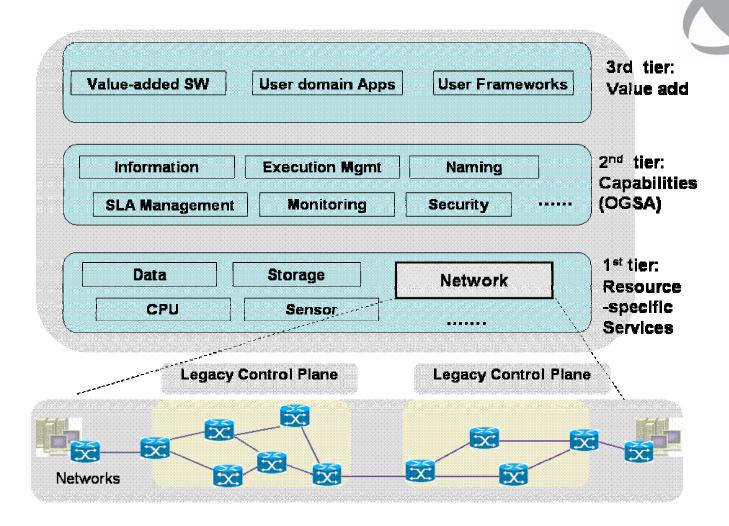
It ain't my Father's network

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3.1.2	Abstraction/Virtualization
3.1.3	Site Autonomy
3.1.4	Flexibility/Programmability
3.1.5	Determinism
3.1.6	Decentralized Control
3.1.7	Dynamic Integration
3.1.8	Resource Sharing
3.1.9	Scalability
3.1.10	High Performance
3.1.11	Security
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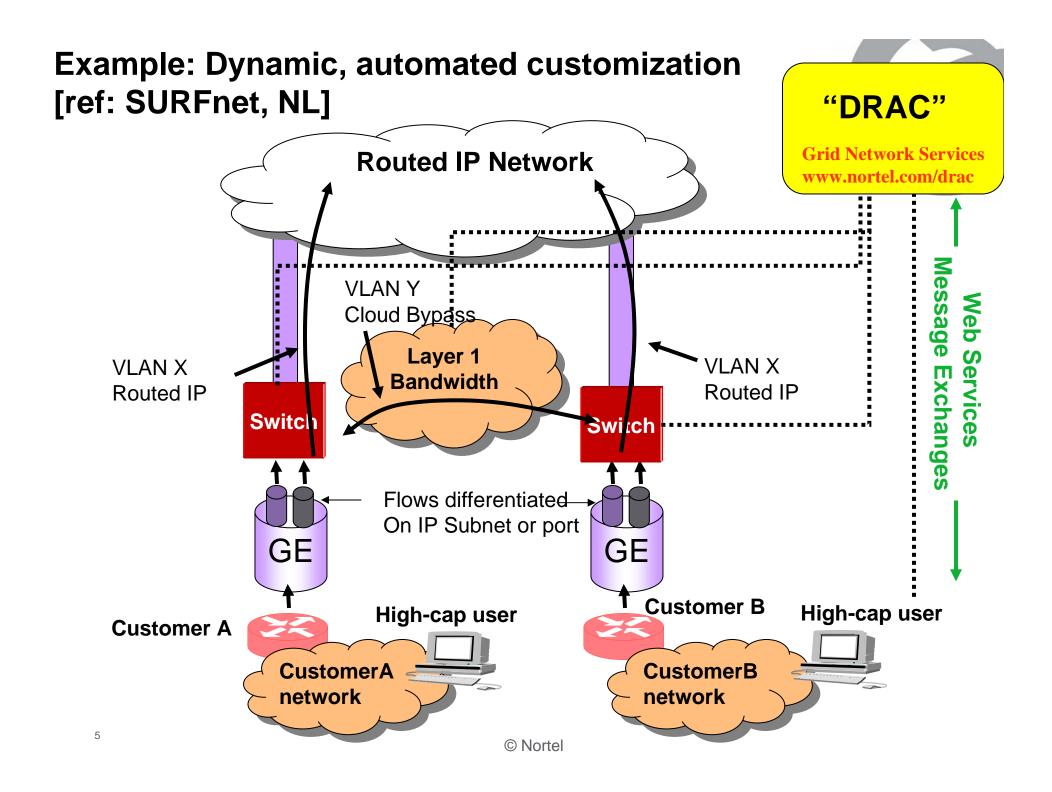


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The Big Picture we like



G. Clapp, T. Ferrari, D.B. Hoang, A. Jukan, M.J. Leese, P. Mealor, F. Travostino, "Grid Network Services", Grid Working Document, revisions available for download at https://forge.gridforum.org/projects/ghpn-rg



Moving Forward

- > The network be a first-class resource in the Grid ecosystem
- > We very much appreciate and tune to the OGSA efforts
- > We wave the Network flag in GGF through continued support to
 - GGF's Infrastructure Area (Grid Network Services @GHPN)
 - GGF's Industry Applications Area (Telecom CG)
 - GGF's Liaisons (w/ IETF, ITU, DMTF, OlForum, etc.)
- > WS-Agreement "begs" for network domain-specific extensions
 - Network Heads unite, please
 - Example: IPSphere