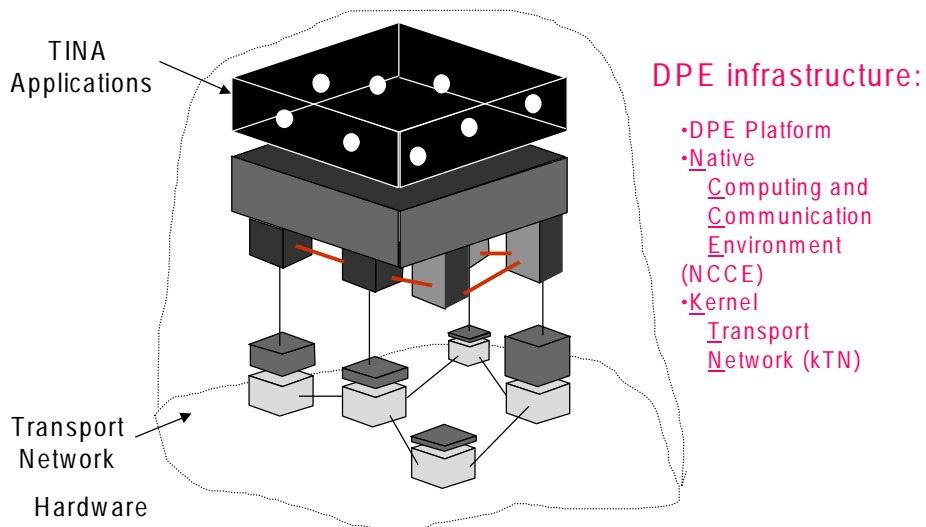


DPE Infrastructure: Key Role for TINA Acceptance in Telcos Area

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TINA DPE Model



Candidates for DPE Platform

- CORBA-compliant ORB plus CORBA services
- COM+/DCOM plus "services" (e.g. MTS)
- Java
- MOM
- HTTP, RPC
- other ...

Native Computing and Communication Environment

- Computing Environment
 - Computing resources in Telcos service and network infrastructure
 - Computers running UNIX as well as its derivatives
 - Computers running MS Window systems
 - other ...
- Communication Environment
 - LAN adapter
 - ISDN adapter, xDSL adapter
 - ATM adapter
 - Wireless Network adapter
 - other...

Kernel Transport Network

- Internet (TCP/IP, UDP, other Internet protocols...)
- ISDN (signaling protocols, ISDN Common API)
- B-ISDN (signaling protocols of ITU-T as well as ATM Forum)
- ATM (AAL)
- Common Channel Signaling System No. 7
- Integrated Data Network (X.25, X.75)
- Wireless Network (e.g. GSM, CDMA, WAP)
- other...

DPE Platform, NCCE and kTN: Integration and Compatibility

- DPE platforms should interwork with each other.
- DPE platform should be supported by various NCCE.
- DPE platform should support itself various NCCE.
- various NCCEs can be connected via kTN .
- kTN should be built on various transport network technologies.

It is a big challenge for IT vendors as well as mergers,
and for standardization bodies.

DPE Services and Tools

- Object Life-cycle Service
- Notification, Naming, Trading,
- Security Service
- Management Service (e.g. FCAPS)

- Deployment / Configuration tools
- Monitoring tools
- Management tools

- Support for Fault-tolerance, Scalability
- Support for high Availability

Put It All Together

Making up a TINA DPE infrastructure that will

- scale to the enterprise
- honor legacy systems
- be highly customizable
- and simply work!