



Carrier-Grade Eco-Systems: The Business Need for International Open Standards

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The Leading European Computer Manufacturer

Facts and Figures

- Founded: 1. October 1999
- Active in all key markets in Europe, Middle East and Africa
- Turnover 5,4 Billion Euro (March 02)
- 7.200 Employees



Fujitsu Siemens Computers Strategic Focus

Integration of the mobile World ...



... with reliable IT Infrastructures

Converged Networks and Wireless Networks Key Technologies till 2007

- „**Western Europe’s online sales will reach \$2.5 trillion.** 19% of Western Europe’s trade will occur via the Internet by 2006.

Forrester: DECEMBER 26, 2001. Global Online Trade Will Climb to 18% Of Sales

- Speech Recognition,
Web Services,
Always-on Wireless Data and Communications Devices,
Converged Networks

J. Fenn: „Ten Technologies for 2002 to 2007“. Gartner Research Note T-15-0205. 21 December 2001

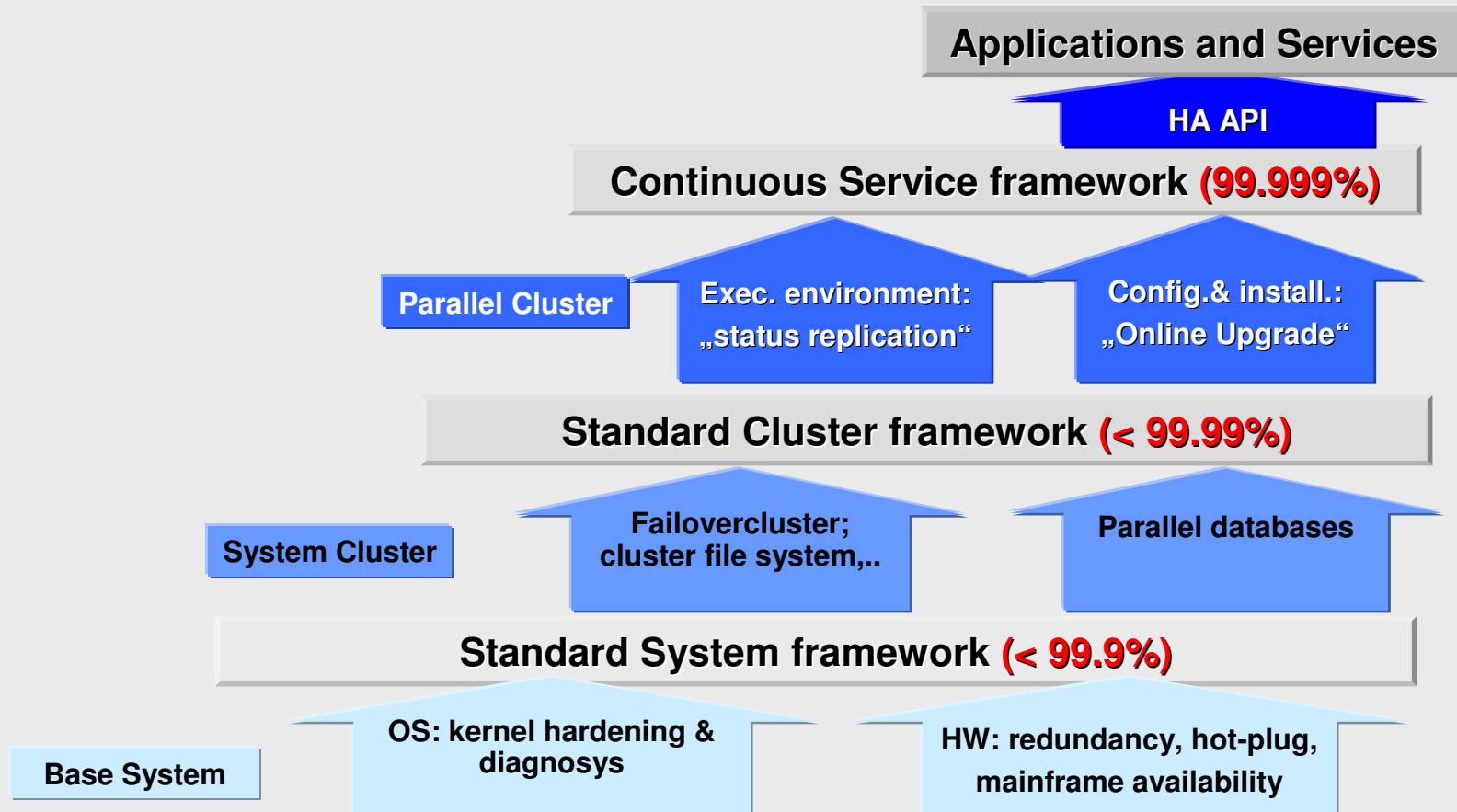
Characteristics of a Mobile Society ...

- Converged networks and wireless networks will be key technologies in the foreseeable future
- A plentitude of services will drive the telecom business
- The complexity of services will increase
- Future application scenarios will include multi-modality and ubiquity
- A paradigm change is ongoing in the telecom value chain

... Require the Specification of New Standards

- Domain specific interfaces (finance, telco, manufacturing ...)
- Application level development standards (e.g. W3C, OMA)
- Domain level interoperation (e.g. Java beans)
- Device abstraction (e.g. XML, OMA)
- Evolution of platform interfaces (e.g. SAForum, OSDL)
- System and hardware components (e.g. OSDL, PICMG)

Pyramid of Availability Layers



Industry is Working on High-Availability APIs with a Strong Focus on Linux



29 Companies defining M/W AP interfaces

(e.g. Fujitsu Siemens, IBM, HP/Compaq, Intel, Sun, Nokia, Motorola...)



10+ companies defining OS needs & architecture

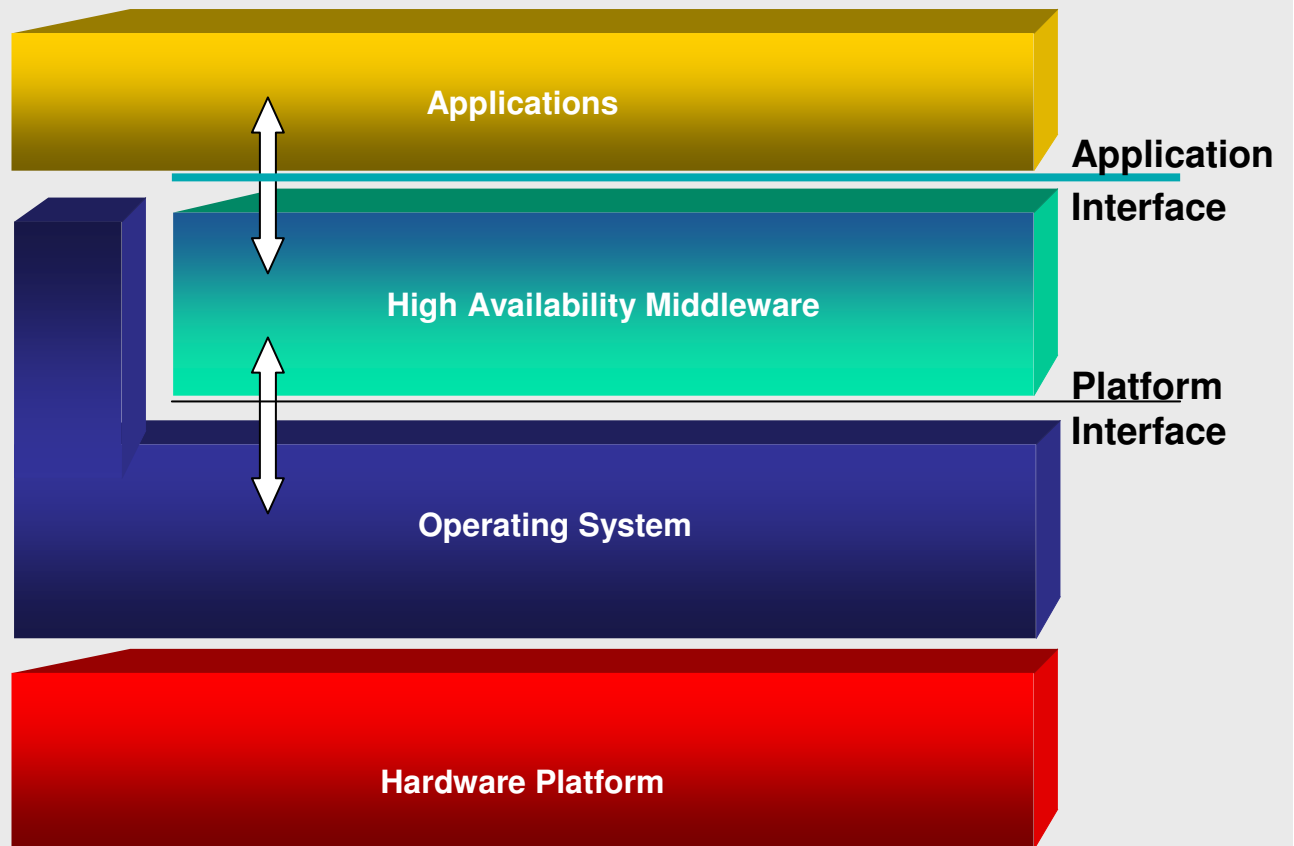
(e.g. Alcatel, Cisco Systems, Ericsson, Force Computers, HP, IBM, Intel, MontaVista Software, NEC, Nokia, Red Hat and SuSE)



105 companies defining HW reqs & architecture

(e.g. Aculab, IBM, HP, Intel, Kontron, LSI, Lucent, Microsoft, MontaVista, Motorola, NMS; Nortel, NTT, Siemens, Sun)

SAForum Addresses Hardware and Application Layer



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Carrier-Grade Infrastructure Standardization Success Factor for Mobile Society

- Ubiquitous computing based on a wide number of services for business and residential customers
- Spread of service generation capabilities required
- Service complexity growing
- Eco system approach creates economic scale
- Service portability and interoperability need standards
- Platform level standards are available now (e.g. SAForum, OSDL)