

# Short Intro to Scope Alliance

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All material available at: [www.scope-alliance.org](http://www.scope-alliance.org)

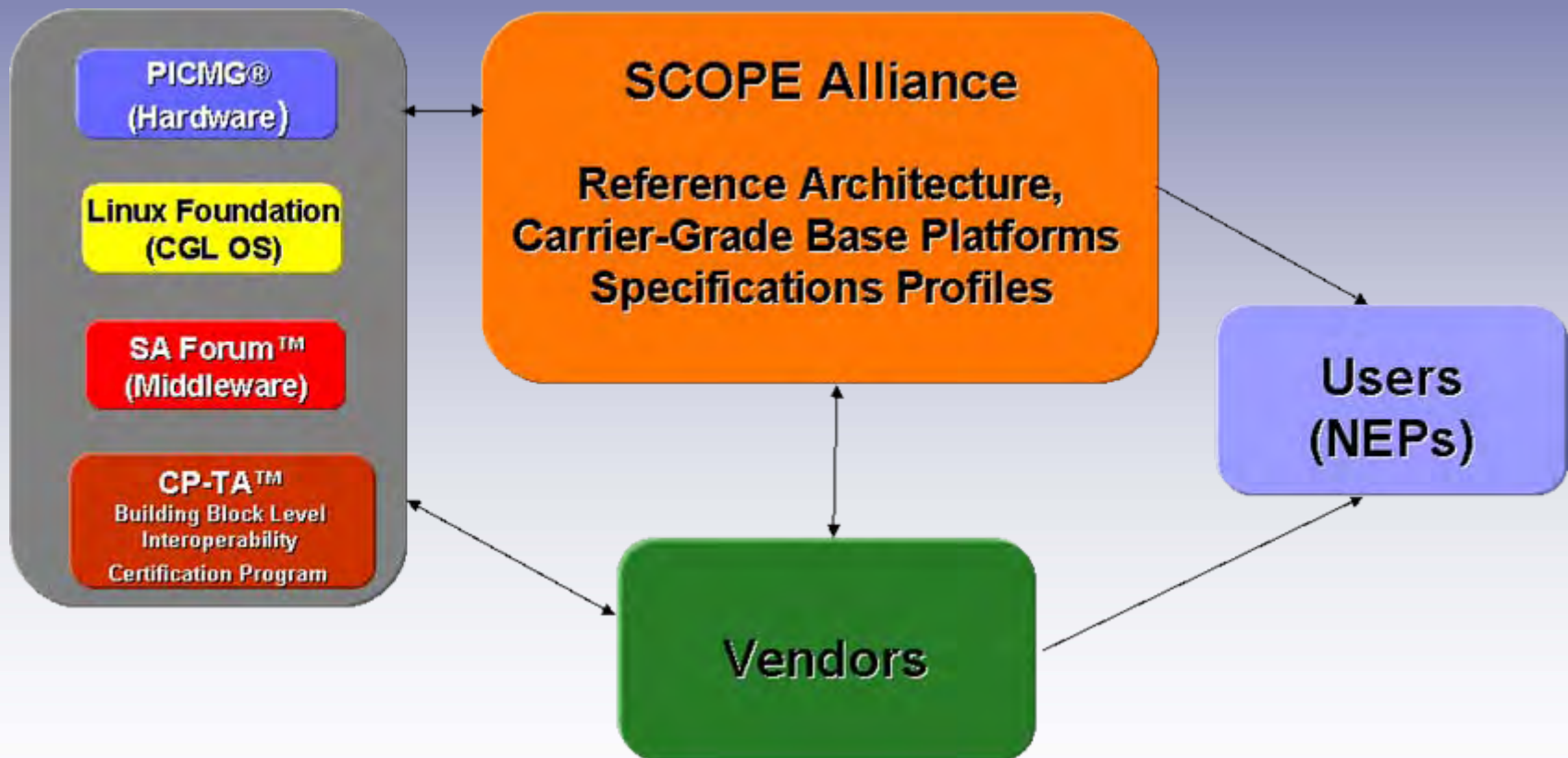
# Why Scope Alliance?

- Created and led by the world's largest Network Equipment Providers (NEPs)
- Encourage and promote open specifications based Carrier Grade Base Platforms (CGBP)
- Enable a rich ecosystem of COTS building blocks for CGBPs
- Provide guidance to commercial off-the-shelf (COTS) specification groups



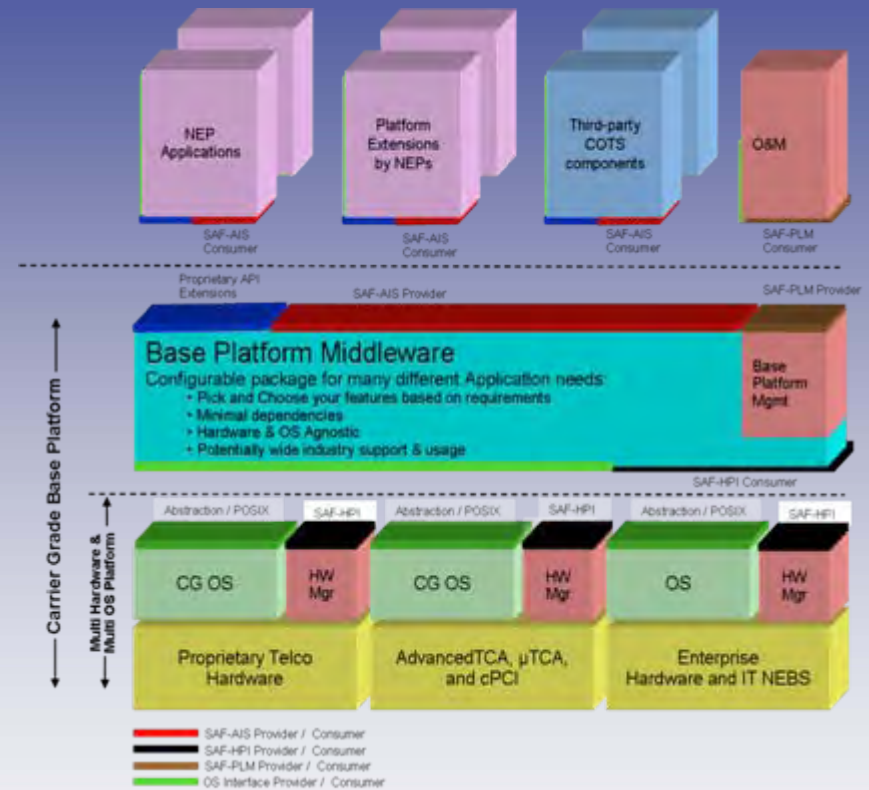
Open Specifications for Service Availability

# Scope role in COTS ecosystem landscape



# Value proposition: It's all about modularity...

- Application software portability
- Management software portability
- CGPB software interchangeability
- Hardware interchangeability within the same architecture
- Support for different hardware architectures



Turning the COTS vision  
into the COTS reality

Interestingly, while SCOPE's work so far has focused on open standards like ATCA and Carrier Grade Linux, there is no reason that commercial RTOSes and proprietary hardware systems cannot comply with its profiles. The group's mission is not to enforce arbitrary choices from its suppliers, but rather to rationalize NEP supply chains by defining "Carrier Grade Base Platforms" that NEPs can use to build better "Network Elements" for its customers.

Article on Linuxdevices

( <http://www.linuxdevices.com/news/NS4908270385.html> )

# Backup

# SCOPE membership – Leaders at all levels of the COTS ecosystem

## Sponsors:



## Contributors:

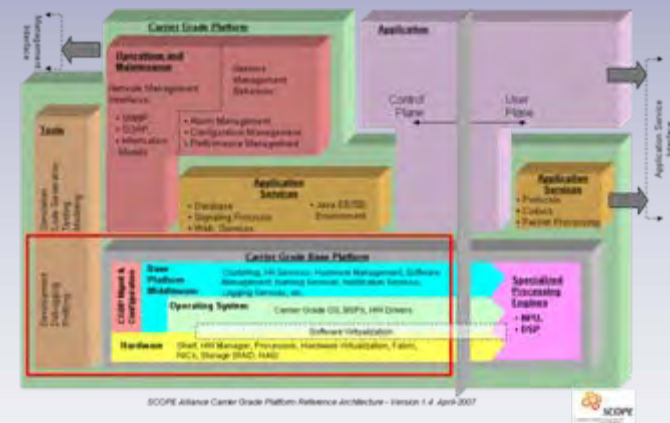


## Supporters:



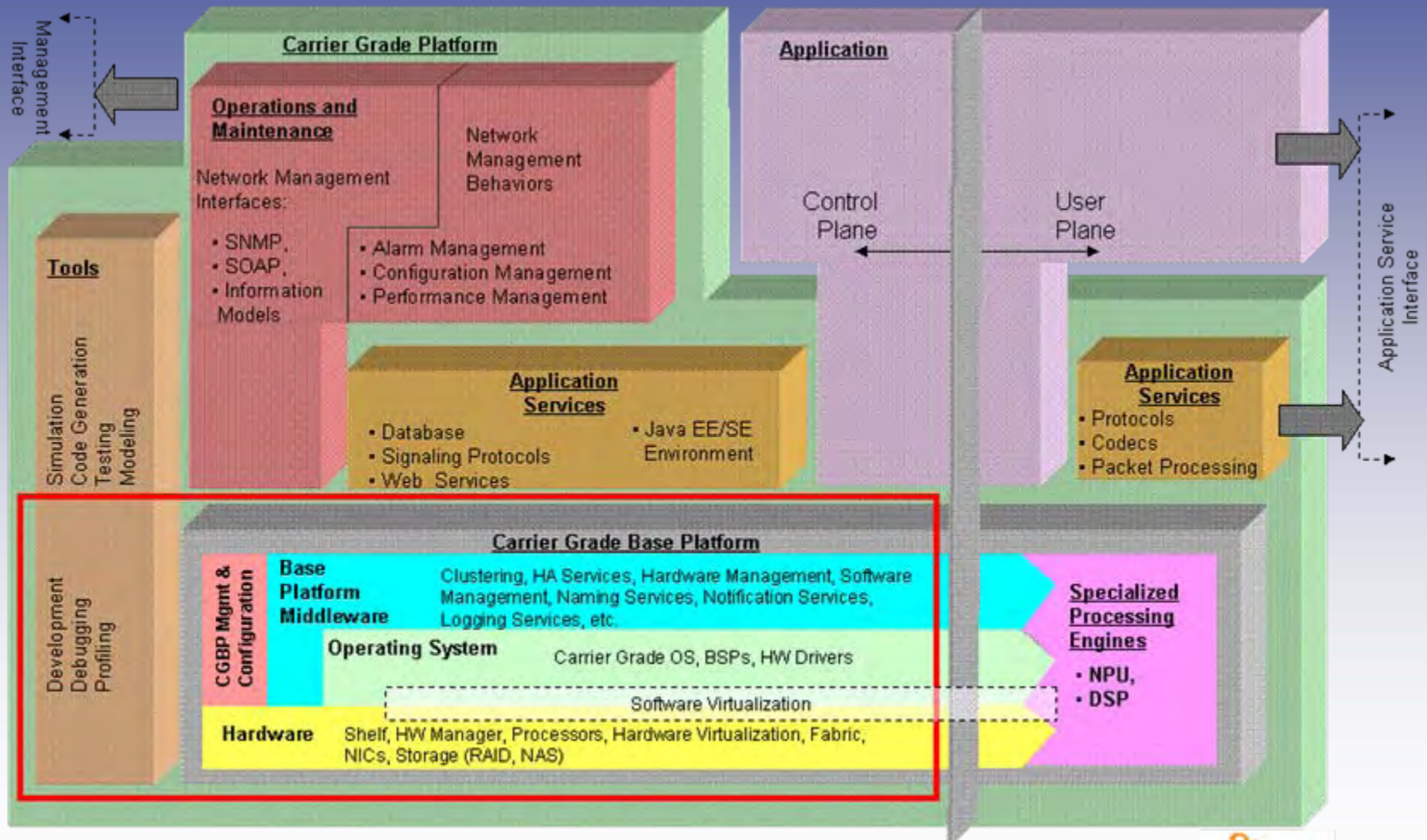
# Outputs

- Definition of Carrier Grade Base Platform
- Hardware Profiles
  - AdvancedTCA, AdvancedMC,  $\mu$ TCA
  - Environmental
- Linux Profile
- Carrier-grade Middleware Profile
- Virtualization Package
  - Requirements
  - State-of-the-Art
  - Use cases
- Long Life Cycle Support Profile
- Technical Position Paper (new version last week)



- Upcoming Technical Work
  - Update for Technical Position Paper
  - Power management
  - I/O Virtualization
  - Benchmarking
  - Security

# Layered Reference Architecture and open interfaces – the key to portability



SCOPE Alliance Carrier Grade Platform Reference Architecture - Version 1.4 April-2007



- Consolidate required features of current and future telecommunication applications
- Identify a common subset that are sufficient to address most applications
- Prioritize gaps to help facilitate better interoperability
- Environmental profile for Central Offices and Network Data Centers (May 2008)

- Linux Profile v1.2 published February 2007
- Carrier-grade Middleware Profile v2.0 published July 2007
- Virtualization Package published May 2008
  - Requirements
  - State-of-the-Art
  - Use cases

# Common definitions: Long-Life Cycle Support Profile

