



# The Enterprise Management Forum Overview

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# The EMF Vision

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An  
open, standards-based,  
common, pervasive,  
manageability infrastructure

... That does something useful

## **Success Factors**

- Existence of standards for manageability infrastructure
- Ubiquitous deployment of infrastructure solutions
- Actually used to manage useful functions

# Major EMF Objectives

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- ❑ Application Management
  - Support and grow existing API standards
  - Integrate existing API standards into the infrastructure
  - Create or accept additional API standards
- ❑ A common open standards-supported infrastructure
  - Support and grow the open-source, standards based infrastructures of Pegasus and ex-SNIA

# Current Activities

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- ❑ Pegasus CIMOM
  - An Implementation of the DMTF CIM and WBEM management standards
- ❑ Application Management
  - ARM Specification
  - AIC Specification
- ❑ License Management
  - XSLM Specification
- ❑ Manageability Handbook

# The Changing Management Environment

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- User Objectives
  - Managing components -> managing services, business
  - Managing some things -> managing everything
  - Islands of management -> enterprise management
- Complexity and size
  - Number of managed components ++++
  - Static components -> dynamic components
- Managed Environment
  - Networks -> systems -> applications -> services

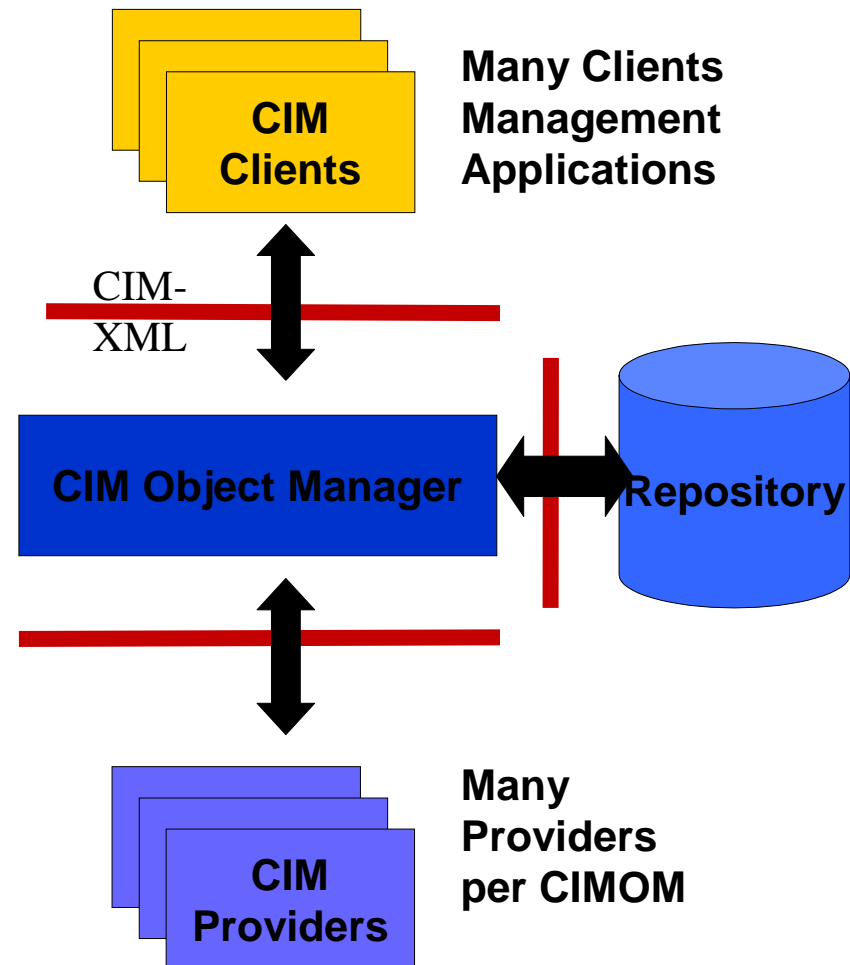


# What is Pegasus?

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- ❑ Pegasus is an open source, C++ implementation of the WBEM\* /CIM standards
- ❑ Provides a standard, open implementation of a standard manageability infrastructure
- ❑ Focus of 20+ engineers from multiple companies
- ❑ Available now from Open Group website
- ❑ Has already been shipped in commercial products
- ❑ Will be available in the future as part of multiple platforms

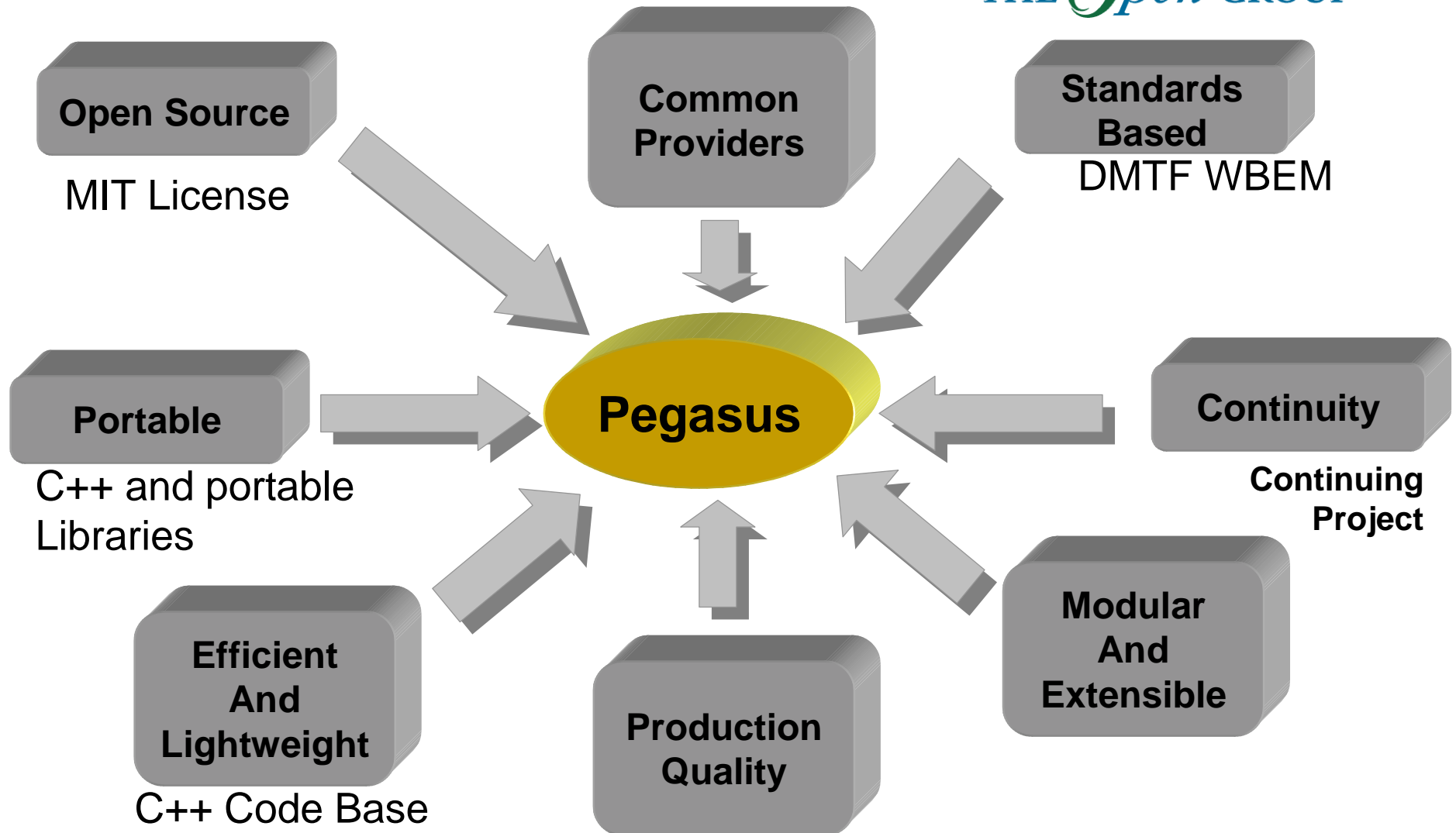
## Key Components



\* Web-Based Enterprise Management

# Key Objectives

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# Pegasus Status

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- Current Status
  - Version 2.0
  - Code Freeze, April 2002
  - Stable Release May/June 2002
  - Visible in platform products later this year
  - Functions
    - Current with CIM Spec 2.3, Model 2.6, cimxml 1.1
    - Provider Registration
    - Indications
  - Major Users
    - IBM, Compaq, HP
  - Steering Committee Formed to Guide future Directions
- Future Activities
  - Standards for Provider and Client Interface
  - Next Version
    - Expand Client SDK
    - Multiple Provider Interfaces
      - C Interface for Providers
      - Other provider Languages
    - Optimization
    - Expand the “Services” Interface
    - More Providers
    - Better Clients



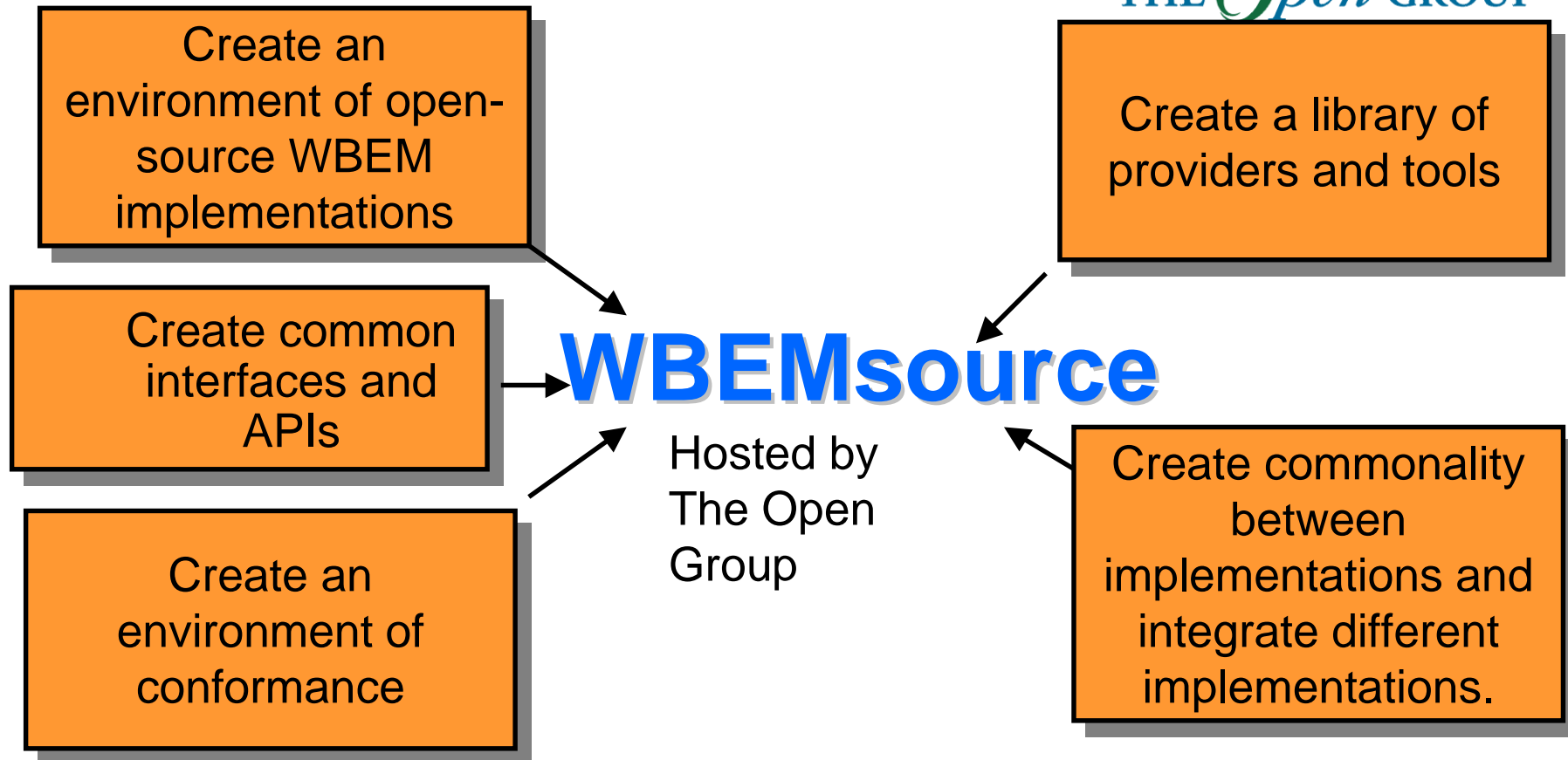
# Other CIM/WBEM Related Activities

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- ❑ DMTF DevCon Fusion Event
  - EMF sponsoring this event
- ❑ OpenGroup is doing DMTF Certification for DMTF CIM
- ❑ SNIA CIMOM has joined Open Group
  - Java implementation of DMTF Specifications
  - Open Source
  - Working Committee forming now
- ❑ WBEM Source Consortium

# WBEMSource Consortium

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**Some of the Members Today:**  
Sun, Compaq, IBM, HP, Open Group, DMTF  
SNIA, Caldera, Novell, Nokia, Intel, Cisco

# XSLM – License Management

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- ❑ Continuing working group growing the standard and its utilization
- ❑ Version 2 due in July 2002
- ❑ XSLM is a Major initiative by IBM
- ❑ Adopted by BMC
- ❑ Future Plans include
  - XML mappings
  - CIM modelling

# Current Project Summary

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- ❑ ARM Version 3
  - Extensions for Java API and modularity
- ❑ AIC Version 1.2
  - Extensions for Java
- ❑ Pegasus Version 2
  - Production implementation of CIM/WBEM
- ❑ Ex-SNIA CIMOM Project Version 1
  - TBD
- ❑ Specifications for Pegasus Interfaces
  - Provider Interface
  - Client Interface
- ❑ WBEMSource Consortium
- ❑ Joint work Group with DMTF on applications management (creating models)

# Future Directions

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- ❑ Pegasus is just one step in a voyage
- ❑ What is important next?
  - Growth of the standards
  - Use of this environment for “real” management
  - Using tools like Pegasus to encourage “Ubiquitous” manageability
  - Demonstration of practical solutions both within Open Group and outside