



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

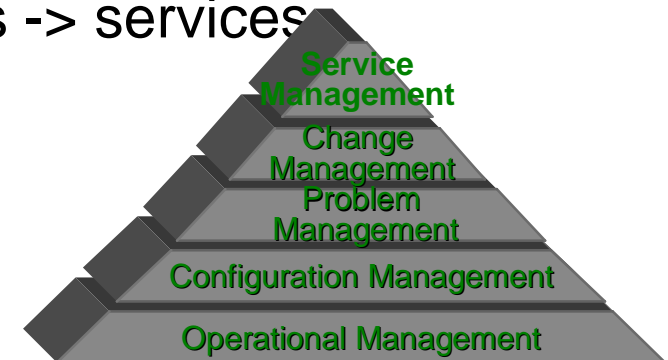
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- ❑ Pegasus CIMOM
 - An Implementation of the DMTF CIM and WBEM management standards
- ❑ Application Management
 - ARM Specification
 - AIC Specification
- ❑ License Management
 - XSLM Specification
- ❑ Manageability Handbook

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

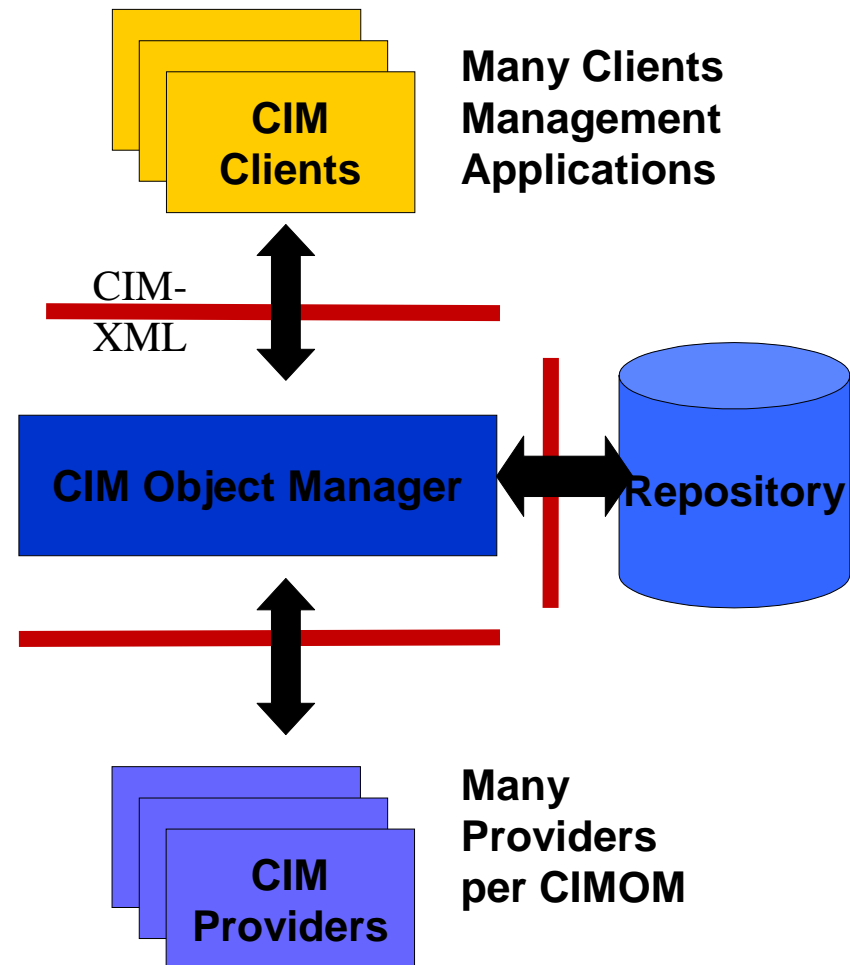


What is Pegasus?

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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

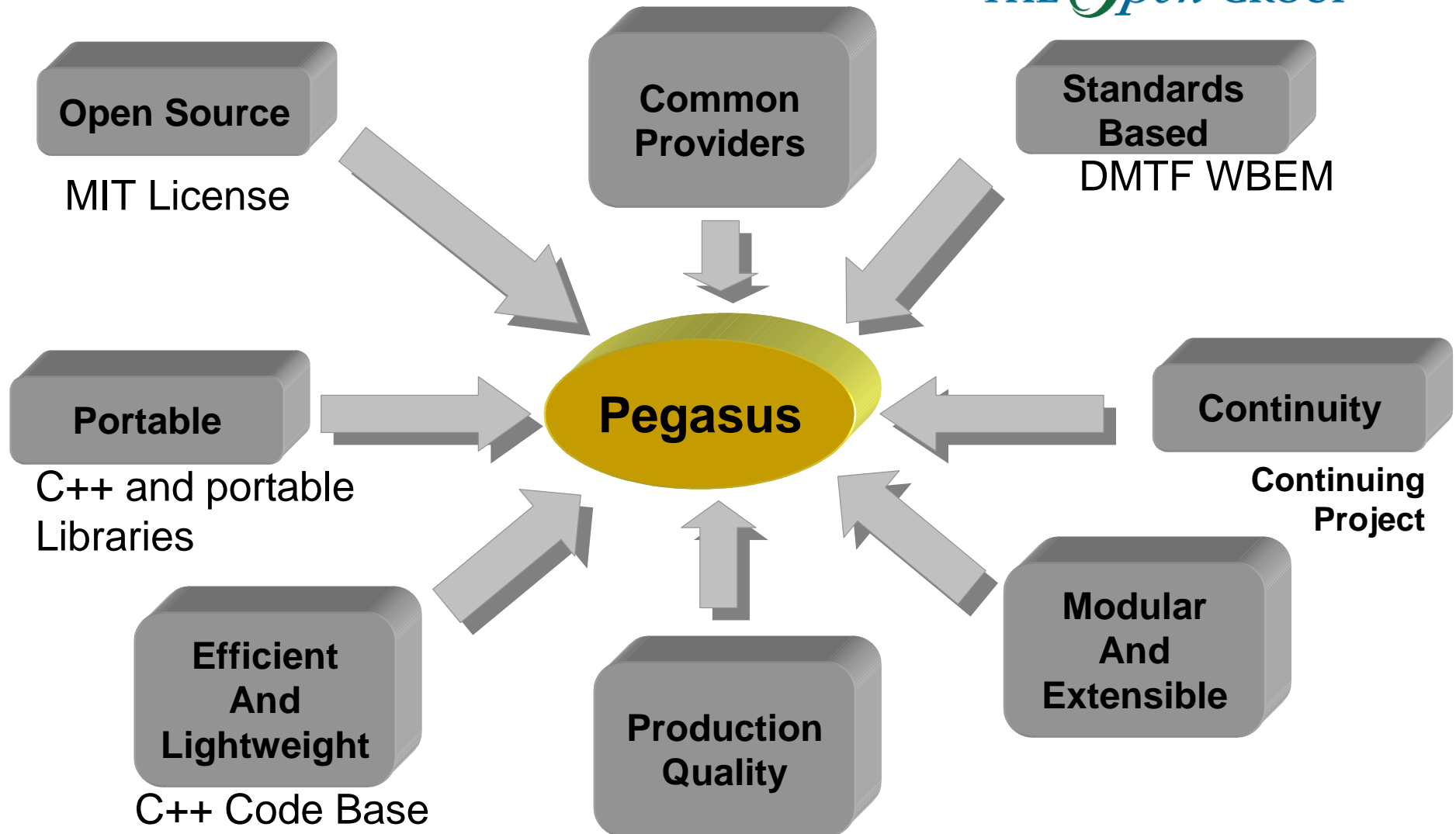
Key Components



* 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

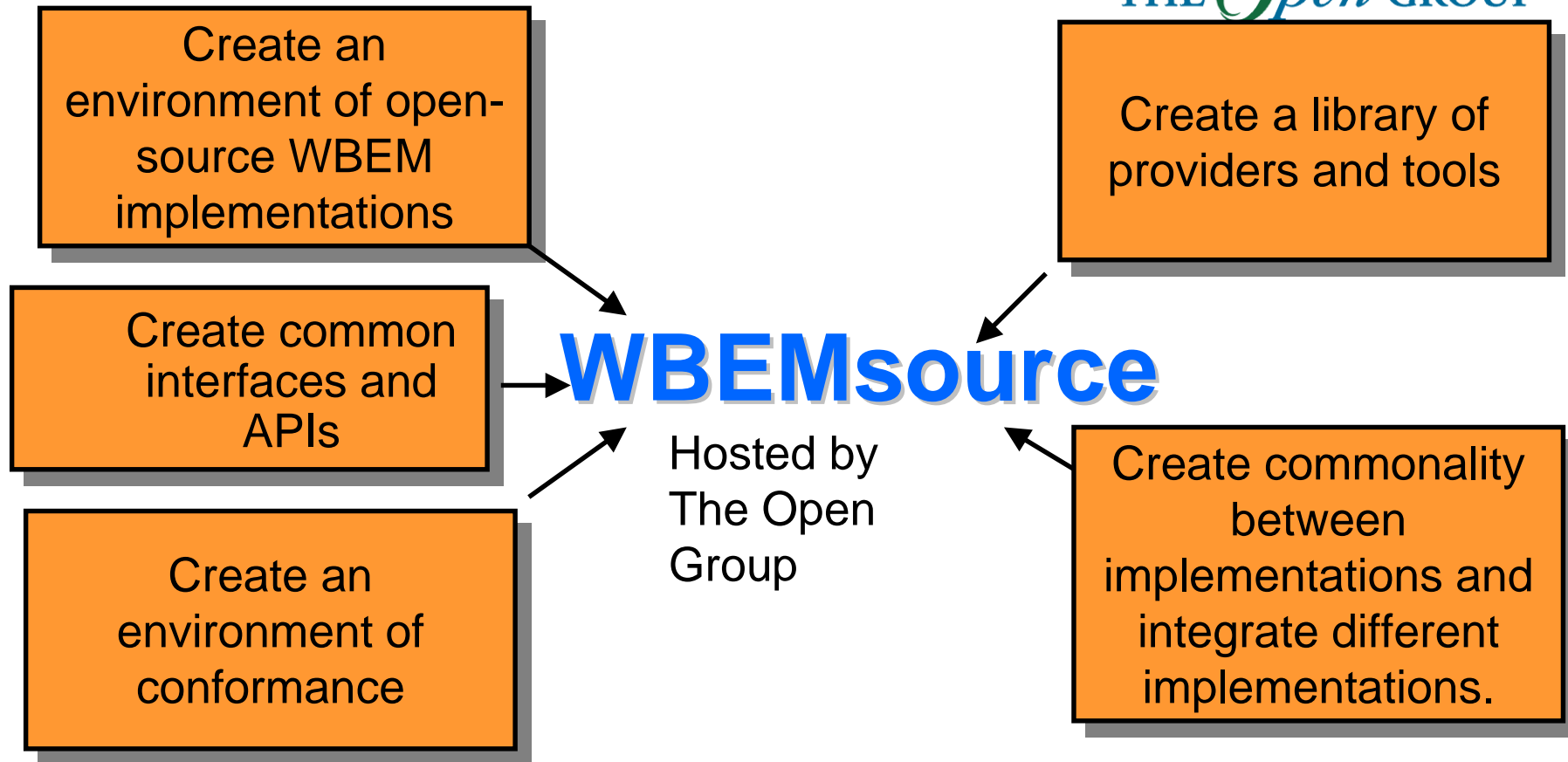
Other CIM/WBEM Related Activities

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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