

OpenPegasus

THE *Open* GROUP

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OpenPegasus

- ❑ What?
- ❑ Why?
- ❑ Who?
- ❑ How?
- ❑ When?
- ❑ Where?

OpenPegasus – What?

- From Andrew's Presentation:
 - It provides a standard, open implementation of a standard manageability infrastructure (WEBM)

OpenPegasus – What??

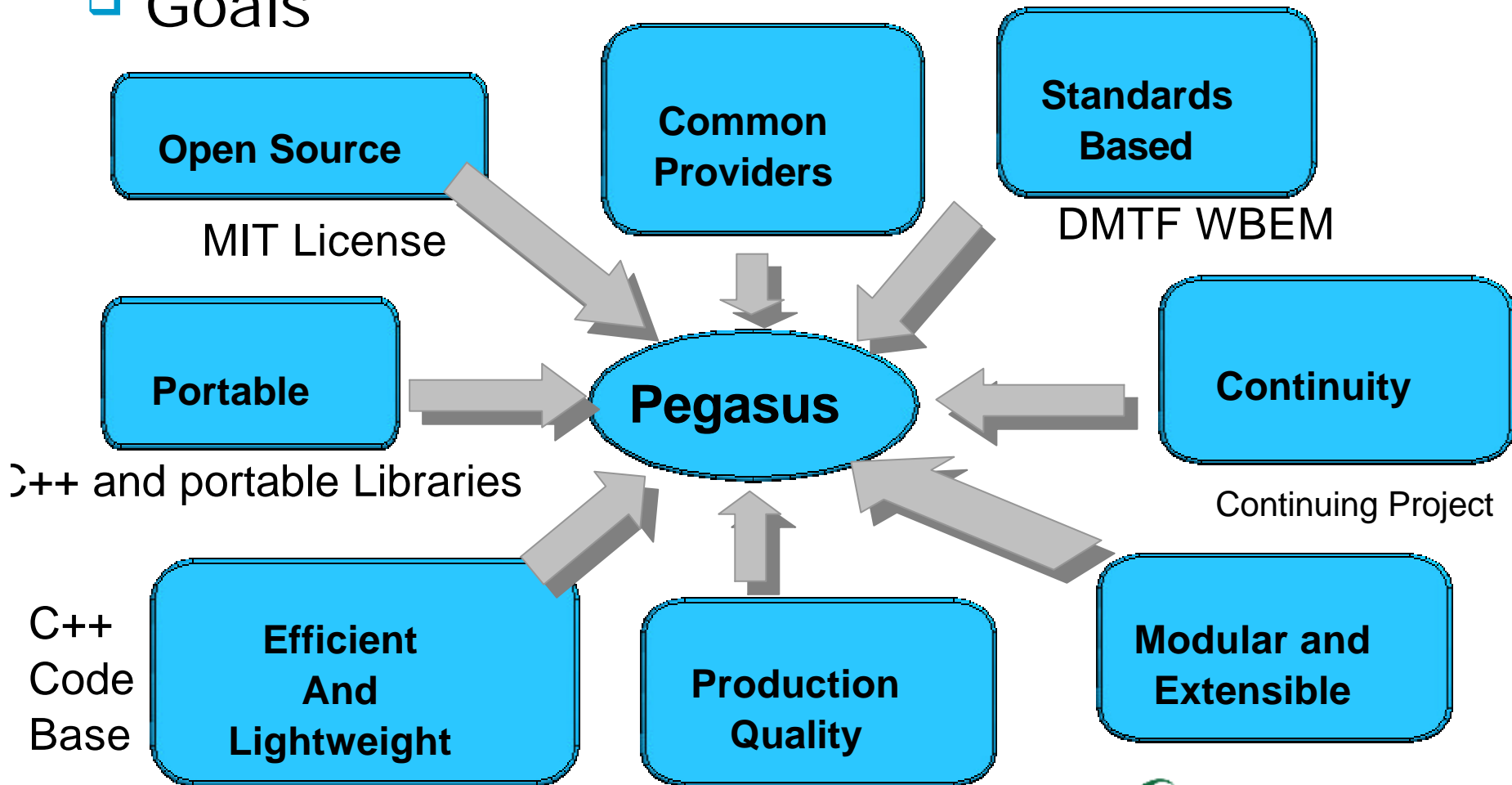
- ❑ Allows things that want to be managed to communicate with things that want to manage them
- ❑ Jargon:
Uses the Common Information Model (CIM) and the other Web-Based Enterprise Management (WBEM) standards from the Distributed Management Task Force (DMTF)

OpenPegasus – WBEM/CIM/What?

- ❑ WBEM provides an information model (CIM) and interoperability specifications that allow communication of management information between managed and managing components
- ❑ The set of standards provides much of what is needed to create a common manageability infrastructure
- ❑ The core of OpenPegasus is a CIM Object Manager (CIMOM)

OpenPegasus – What?

Goals



OpenPegasus – What?

- Multiple platforms

AIX

ZOS

Linux

Windows

HP/UX

Himalaya

Solaris

Tru64UNIX

OpenPegasus – Why?

- Goals of the Enterprise Management Forum:
 - Manageability, not Management
 - Ubiquitous
 - Standards-based
 - Low barriers to adoption
 - Comprehensive

OpenPegasus – Why?

- ❑ “It’s the Data, Stupid”
- ❑ Open Source is the new Standards
- ❑ We needed a common information model
 - CIM!!!
- ❑ We needed interoperability
 - WBEM
 - CIM Operations over HTTP
 - xmlCIM

OpenPegasus – Why?

- ❑ We had found a solution that met our goals
- ❑ One thing seemed to be missing

- **Implementations!!**

OpenPegasus - Who?

- Started out as a project within the EMF
 - Initial contributions from BMC, HP, IBM, Tivoli
- Quickly outgrew the confines of the Forum
 - An entity in its own right
 - separate funding / website/ etc
 - Retains a relationship with the Forum
 - Specification Development
 - Major contributors – HP and IBM

OpenPegasus – How?

- We started as an informal group
 - Entropy increased
- We evolved an Architecture Teleconference
 - Entropy increased
- A degree of formality is necessary to get people's attention
 - We have a Steering Committee composed of the major project funders

OpenPegasus – How?

- The role of The Open Group
 - A neutral space in which to cooperate
 - Provides technical leadership and project management
 - Provides the electronic infrastructure
 - Web, mail, CVS, Bugzilla, etc
 - A route to standardization, testing, and certification of API specifications for portability

OpenPegasus – When?

- ❑ Version 1.0 – April 2002
 - Limited functionality
- ❑ Version 2.0 - July 2002
 - Not released in simple form
- ❑ Version 2.1 – end of October 2002
 - Source, Binaries
- ❑ Version 2.2 – end of January 2003
- ❑ Shipped as part of commercially available platforms

OpenPegasus – Where?

- Where to?
 - Increased core functionality
 - Track and influence the WBEM standards
 - Closer integration with Java-based “SNIA CIMOM” – Pegasus-J?
 - Extend to include common providers
 - Interoperability with other CIMOMs
 - Pegasus Lite

OpenPegasus – Where?

- www.openpegasus.org
 - Mailing lists
 - Downloads
 - CVS Repository
 - Roadmap
- www.opengroup.org/snia-cimom