AMADEUS® MEASUREMENT-DRIVEN ANALYSIS AND FEEDBACK SYSTEM

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AMADEUS AND COCOMO UPDATE

• Eight platforms supported. New platform:
  -- Windows 95

• Amadeus is available
  -- ftp site is 192.102.249.3 using account “wolfgang”
    in directory Amadeus/*

• Major new Amadeus features
  -- Expanded baseline set of metric templates
  -- Enhanced preview and delete capability
  -- Rewritten end-user documentation: hardcopy and on-line
  -- Automated built-in demo

• Logistics: Platforms, languages, help desk, licensing, etc.
AMADEUS --- WHAT IS IT?

• Amadeus is an automated system for software
  • metric collection,
  • metric analysis,
  • metric reporting,
  • metric graphing, and
  • metric prediction

• Amadeus enables software process and product analysis and improvement.

• Amadeus is very flexible, has an open architecture, and has a low entry barrier to usage.

• Example metrics supported by Amadeus are:
  • Size
  • Structure
  • Changes
  • Errors
  • Effort
  • Cycle time
  • Cost
  • Schedule
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AMADEUS FEATURES AND BENEFITS

• Better visibility into software engineering processes

• Increased confidence in management and technical decisions

• Improved cost and schedule performance measurement of software engineering organizations

• Enhanced quality measurement of software products and processes

• Measurement of heterogeneous product and process representations

• Framework that integrates metric data from processes, products, projects, teams, and organizations

• A flexible set of metrics --- users can extend the baseline set by defining, customizing, and adding their own metrics

• An open architecture for extensibility and incorporation of foreign tools
AMADEUS AUTOMATES METRICS

- Amadeus is an automated metric collection, analysis, reporting, graphing, and prediction system
- Flexible, unobtrusive measurement system with low entry barrier
- Open architecture emphasizing user-extensibility and tailorability
- Enables process and product improvement
AMADEUS AND COCOMO 2.0

• Each COCOMO 2.0 affiliate organization receives:
  
  • Three (3) concurrent user licenses of Amadeus for use in metric collection and analysis for COCOMO 2.0
  • Amadeus templates
  • Periodic Amadeus training
  • Software updates, upgrades, and customer support

• No-cost license agreements

• Amadeus help email:
  amadeus-info@amadeus.com
As a COCOMO 2.0 Affiliate, you are able to receive a no-cost license for 3 concurrent users for the Amadeus Measurement System. The license includes all of the Amadeus packages on any of the supported computing platforms. The duration of the license is July 26, 1994 through July 25, 1995, and it is renewable annually. After having your procurement organization sign the Amadeus Software Research License Terms and Conditions, you are able to receive the Amadeus software. Your license will continue as long as the following conditions are met:

- The COCOMO 2.0 project is still an active research project at USC and UC Irvine; and
- Your company or organization is actively contributing software project data to the COCOMO 2.0 project according to the data requested in the document Boehm et al., "Cost Models for Future Software Life Cycle Process: COCOMO 2.0", September 21, 1994. The requested software project data includes Source code metrics, Function point and object point metrics, Cost and scale drivers, Reuse and re-engineering factors, General project characteristics, and Project effort data, schedule data, etc.

The COCOMO 2.0 project is a research project whose lifeblood is empirical metric data from actual software projects. The usage of the Amadeus software is intended to facilitate the consistent collection of metric data for the COCOMO 2.0 project. The metric data submitted to COCOMO may also be used by the actual project itself. The Amadeus software...
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provides many features that are beyond the needs requested by the COCOMO project. Your company or organization may explore the use of the Amadeus software for your own purposes beyond the requested COCOMO data. However, the primary use of the Amadeus software should be in support of the COCOMO 2.0 project. As a working guideline, "primary use" means more than half of the usage time of the Amadeus software. In any case, the license quantity should not exceed 3 concurrent user licenses. When your metric needs exceed 3 concurrent users or the primary usage of the Amadeus software is not for COCOMO data, then a purchase of Amadeus licenses will be required. Note that your company or organization may receive a 30-day no-cost trial usage license of Amadeus for purposes outside the COCOMO project.

If there are any questions about this Amadeus usage policy in support of COCOMO 2.0, please contact Richard Selby at the above address. We appreciate your participation in the COCOMO 2.0 project.

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