Portability



- In addition to making hardware backward compatible, we have also made software portable.
- In describing software, "portable" means that the software can be run on a variety of computers. Another term used is independence, in this case machine or <u>hardware</u> <u>independence</u>. Assembly's use of specifics of the registers makes it machine dependent.
- One has to program at a higher level to gain machine independence.
- Of course, someone must deal with the specifics of the hardware but it doesn't have to be you (Layering).

Software Portability An Advanced Course

A. C. Day

Software Portability An Advanced Course:

Software Portability P. J. Brown,1979-10-18 **Software Portability** ,1977 Software portability ,1977 Software Portability P.J. Brown, E.B. Spratt, R.J. Allwood, 1977 Software Portability Olivier Lecarme, Mireille On the Construction of Programs R. M. McKeag, A. M. Pellissier Gart, 1986 Software Programming Techniques Macnaghten, 1980-11-28 **Compatible Fortran** A. C. Day, 1978 Information Technology Ricardo Reis, 2006-04-11 This book contains a selection of tutorials on hot topics in information technology which were presented at the IFIP World Computer Congress WCC2004 took place at the Centre de Congr s Pierre Baudis in Toulouse France from 22 to 27 August 2004 The 11 chapters included in the book were chosen from tutorials proposals submitted to WCC2004 These papers report on several important and state of the art topics on information technology such as Quality of Service in Information Networks Risk Driven Development of Security Critical Systems Using UMLsec Developing Portable Software Formal Reasoning About Systems Software and Hardware Using Functionals Predicates and Relations The Problematic of Distributed Systems Supervision Software Rejuvenation Modeling and Analysis Test and Design for Test of Mixed Signal Integrated Circuits Web Services Applications of Multi Agent Systems Discrete Event Simulation Human Centered Automation We hereby would like to thank IFIP and more specifically WCC2004 Tutorials Committee and the authors for their contribution We also would like to thank the congress organizers who have done a great job Ricardo Reis Editor QUALITY OF SERVICE IN INFORMATION NETWORKS Augusto Casaca IST INESC R Alves Redol 1000 029 Lisboa Portugal Abstract This article introduces the problems concerned with the provision of end end quality of service in IP networks which are the basis of information networks describes the existing solutions for that provision and presents some of the current research items on the subject Key words Information networks IP networks Integrated Services Differentiated Services Multiprotocol Label Switching UMTS Practice in Software Adaption and Maintenance Rudolf Ebert, J. Lügger, L. Goecke, 1980 **Computer Science** and Statistics--Tenth Annual Symposium on the Interface David Hogben, Dennis W. Fife, 1978 **NBS Special Publication** ,1978 Concise Encyclopedia of Software Engineering Derrick Morris, 2013-10-22 This Concise Encyclopedia of Software Engineering is intended to provide compact coverage of the knowledge relevant to the practicing software engineer The content has been chosen to provide an introduction to the theory and techniques relevant to the software of a broad class of computer applications It is supported by examples of particular applications and their enabling technologies This Encyclopedia will be of value to new practitioners who need a concise overview and established practitioners who need to read about the penumbra surrounding their own specialities It will also be useful to professionals from other disciplines who need to gain some understanding of the various aspects of software engineering which underpin complex information and control systems and the thinking behind them Proceedings, 1978 Computer Systems Reliability T. Anderson, Tom Anderson, Brian Randell, 1979-07-31 **Proceedings of the Army Numerical and Computers Analysis**

Conference ,1978 Functional Programming and Its Applications J. Darlington, P. Henderson, D. A. Turner,1982-02-18

Proceedings of the Fourth International Conference Information Systems Development - ISD '94 Jože

Zupančič, Stanislaw Wrycza, 1994 Tools and Notions for Program Construction D. Néel, 1982 This book comprises two principal categories of approaches to programming issues the intellectual notions and the software tools Back cover

Proceedings [of The] Workshop on Reusability in Programming ,1983 Taming the Tiger Leon S. Levy,2012-12-06 A small program is presented to motivate the concerns for programmer productivity and program quality that are the central issues of this set of essays The example is one which demonstrates the performance aspect of programming In order to achieve program quality where a program is understood and known to be correct we need a primary program description This primary program description not only describes the program but is also used to generate the program The method of applying primary program descriptions to produce programs is called metaprogramming and is described in Chapter 3 In the later chapters we show how the method can be analyzed from an economic point of view to address the issues of productivity as well 1 Introduction In thinking about programming over the last decade I have concluded that very little is known about the process of programming or the engineering of software 1 The consequence of having very little established truth to use as a basis for thinking about programming is that almost every conclusion must be reasoned out from first principles Also you cannot rely solely on textbooks but must use experimentation and direct observation to gain some experience with which to proceed

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