Introduction To Reliable Distributed Programming

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Introduction To Reliable Distributed Programming

This textbook presents an introductory description of fundamental distributed programming abstractions together with algorithms to implement them in distributed systems, where processes are subject to crashes and malicious attacks. The authors follow an incremental approach by first introducing basic abstractions in simple distributed environments, before moving to more sophisticated abstractions and more challenging environments...

Introduction to Reliable and Secure Distributed Programming

The fundamental challenge when developing reliable distributed programs is to support the cooperation of processes required to execute a common task, even when some of these processes fail. Guerraoui and Rodrigues present an introductory description of fundamental reliable distributed programming abstractions as well as algorithms to implement these abstractions.

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Introduction to reliable and secure distributed programming
Introduction to Reliable and Secure Distributed Programming Content. The book is structured into six chapters, grouped in two parts. Part I. Chapter 1 motivates the need for distributed programming abstractions by discussing various applications that typically make use of such abstractions.

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