Record Nr. UNINA9910780158303321 Building reliable component-based software systems / / Ivica Crnkovic, **Titolo** Magnus Larsson, editors Pubbl/distr/stampa Boston:,: Artech House,, ©2002 [Piscatagay, New Jersey]:,: IEEE Xplore,, [2002] **ISBN** 1-58053-558-5 Descrizione fisica 1 online resource (451 p.) Collana Artech House computing library Altri autori (Persone) Crnkoviclvica LarssonMagnus <1969-> (Magnus Peter Henrik) Disciplina 005.1 Soggetti Component software - Reliability Software engineering Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Component-Based Software Engineering -- Challenges of CBSE --Components in Reliable Systems -- The Definition and Specification of Components -- Basic Concepts in CBSE -- Components -- Different Component Definitions -- Objects and Components -- Interfaces --Contracts --Sommario/riassunto Annotation Here's a complete guide to building reliable componentbased software systems. Written by world-renowned experts in the component-based software engineering field, this unique resource helps you manage complex software through the development, evaluation and integration of software components. You quickly develop a keen awareness of the benefits and risks to be considered when developing reliable systems using components. A strong software engineering perspective helps you gain a better understanding of software component design, to build systems with stronger requirements, and avoid typical errors throughout the process, leading

to improved quality and time to market.