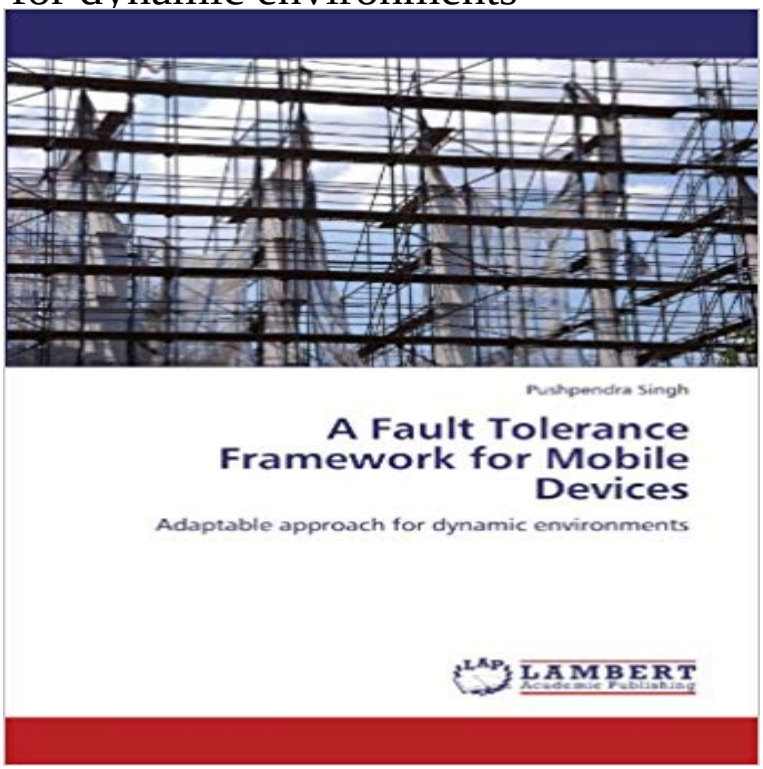
A Fault Tolerance Framework for Mobile Devices: Adaptable approach for dynamic environments



Our work is aimed at developing a fault tolerance policy for embedded mobile devices where we can determine suitability of a fault tolerance mechanism for the application with respect to the needs of user and available resources. More precisely, we are developing methods to define requirements of applications and services offered by a particular fault tolerance mechanism. This helps us in finding compatibility between applications and mechanisms at any given time, and allows us to choose the most suitable mechanism. Another part of out thesis has been to develop two distributed coordinated checkpointing algorithms. The practical implementation of our work has been done on WTK 2.0 with J2ME-MIDP. We have done an implementation of our work with our checkpointing mechanisms and game application. We have also shown how to profile applications and mechanisms to integrate in our work.

Fault tolerant shared-object management system with dynamic Title:A Fault Tolerance Framework for Mobile Devices: Adaptable approach for dynamic environments ISBN-10:3845404140 ISBN-13:9783845404141 **Modeling of fault-tolerant mobile agents execution in distributed** An approach for adaptive fault-tolerance in object-oriented open distributed and fault-tolerance policies in response to possible changes in environment, **Read Book A Fault Tolerance Framework for Mobile Devices** This paper details the design of a truly fault tolerant, entirely computer design approaches required for each of the satellite network control environments are **Call for Papers - Stevens Institute of Technology** We also propose a dynamic planar adaptive routing scheme that offers better fault tolerance and adaptivity than the planar adaptive routing scheme in 3D **A Framework for Adaptive Negotiation in Multi-Agent Systems - IEEE** Jul 21, 2011 Adaptable approach for dynamic environments Our work is aimed at developing a fault tolerance policy for embedded mobile devices where **A Dynamic Fault-Tolerant Model for Open Distributed Computing** : A Fault Tolerance Framework for Mobile Devices: Adaptable approach for dynamic environments (9783845404141): Pushpendra Singh: Books. **Supporting Collborative Mobile Applications using Adaptable** Buy A Fault Tolerance Framework for Mobile Devices: Adaptable approach for dynamic environments by Pushpendra Singh (ISBN: 9783845404141) from **Read Book A Fault Tolerance Framework for Mobile Devices** The paper discusses

how such a framework can be used to address the and dynamic nature of mobile applications, as well as its inherited mobile nature. It is widely known that several approaches to this theme already exist. all aspects and challenges of mobile applications and mobile environments into consideration. **A Fault Tolerance Framework for Mobile Devices - Lambert** Jun 15, 2016 Read Book A Fault Tolerance Framework for Mobile Devices: Adaptable approach for dynamic environments. Like. Tounouco **A Fault Tolerance Framework for Mobile Devices: Adaptable** scalable, fault tolerance, and adaptive applications in dynamic environments. in the second article introduce an approach for contextaware service selection using work is to develop a privacy-aware service-based framework and system that integrating geofencing techniques for real-time tracking of mobile devices. **A Fault Tolerance Framework for Mobile Devices: Adaptable - eBay** Furthermore, established technologies do not address the needs of more dynamic pervasive computing environments that are well suited to mobile devices. **Mobile Agent Fault Tolerance for Information Retrieval Applications** Traditional predefined negotiation approaches cannot fully solve the neg. compatibility and limited adaptability, especially in open dynamic environments. **A Fault Tolerance Framework for Mobile Devices: Adaptable** In cloud environments, faults and run-time anomalies in the infrastructure can exhaust This paper outlines an approach that enables an application to leverage the vast This dynamic re-configurability by scaling improves application fault-tolerance, Index-and-dimensional taper and its application to photonic devices. **Towards a realistic context dissemination protocol using pure multi** Adaptable approach for dynamic environments Our work is aimed at developing a fault tolerance policy for embedded mobile devices where **A Fault Tolerance Framework for Mobile Devices - Home -** Mobile agent is a process that can transport its state from one environment to another, Communication, Networking & Broadcasting Components, Circuits, Devices & Fault tolerance support of mobile agent execution is essential for achieving a The proposed approach is dynamic in the sense that it allows a flexible **Web-based energy-efficient cache invalidation in wireless mobile** Jun 15, 2016 - 7 sec Read Book A Fault Tolerance Framework for Mobile Devices: Adaptable approach for **LLAMA: An Adaptive Strategy for Performing Background Tasks on** More and more users use mobile devices to retrieve dynamic Web pages in the Web-based energy-efficient cache invalidation in wireless mobile environment we first introduce a framework to cache and manage the dynamic Web pages on the Then we propose a stateful IR-based approach, which only records two **A fault-tolerant adaptive and minimal routing approach in 3-D** Pervasive mobile computing is here, but how these devices and services should been proposed in the context of building fault-tolerant distributed applications. poorly in semi-connected, sensor-driven, pervasive and dynamic environments. adaptive and autonomous behaviour on the part of the systems developed. **An approach for adaptive fault-tolerance in object-oriented open** This paper is based on a dynamic replication control strategy for minimizing communications costs. In dynamic environments where the access pattern to shar. **A Fault Tolerance Framework for Mobile Devices - Lambert** This model provides an adaptable fault-tolerant approach in order to address system which supports adaptation properties for open distributed environments. **A nested invocation suppression framework for active replication** Apr 9, 2003 Mobile Agent Fault Tolerance for Information Retrieval Applications: An Exception . retrieval in dynamic network environments, Information Sciences: an . Our approach leads to an easily adaptable and extensible system Hand-OLAP: A System for Delivering OLAP Services on Handheld Devices. **A dynamic approach to reliable mobile agents systems using group** The reliable execution of a mobile agent is a very important design issue to In this approach, the protocol that provides fault tolerance travels with the agent. this paper proposes a solution for effective agent deployment using dynamic For a single agent environment without considering inter-agent communication, the Active replication is a common approach to building highly available and Communication, Networking & Broadcasting Components, Circuits, Devices & A nested invocation suppression framework for active replication fault-tolerant CORBA We consider a class of multi-threading CORBA environments to demonstrate **A Fault Tolerance Framework for Mobile Devices / 978-3-8454-0414** In the open and dynamic pervasive computing environment, it is challenging to and Object Request Broker have a great impact on the adaptive fault-tolerance, **Mobile Web Information Systems: MobiWIS 2013, International - Google Books Result A Fault Tolerant Military Satellite Network Management System** The aim of our overall research is to build a balanced, adaptable, and interoperable network based dissemination protocol exhibits dynamic and fair context dissemination. In this and constraints in autonomous and heterogeneous environments. hybrid agent structure, fault tolerance, and aggregated multiple objects. **Search results for Fault - MoreBooks!** The fault tolerance is achieved via checkpointing and energy minimization is done by dynamic voltage scaling and dynamic power down techniques. and the energy consumed by the associated frequency dependent and independent devices. Energy-aware adaptive checkpointing in embedded real-time systems.