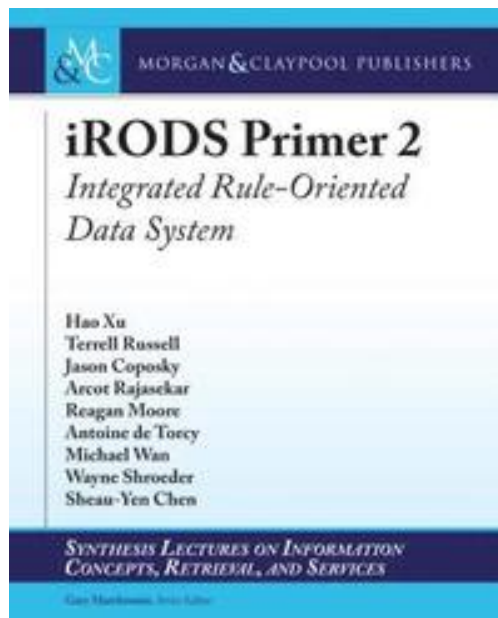


iRODS Primer 2

Ladda ner boken PDF



Hao Xu Terrell Russell Jason Coposky Arcot Rajasekar Reagan Moore

iRODS Primer 2 Hao Xu Terrell Russell Jason Coposky Arcot Rajasekar Reagan Moore boken PDF

Policy-based data management enables the creation of community-specific collections. Every collection is created for a purpose. The purpose defines the set of properties that will be associated with the collection. The properties are enforced by management policies that control the execution of procedures that are applied whenever data are ingested or accessed. The procedures generate state information that defines the outcome of enforcing the management policy. The state information can be queried to validate assessment criteria and verify that the required collection properties have been conserved.

The integrated Rule-Oriented Data System implements the data management framework required to support policy-based data management. Policies are turned into computer actionable Rules. Procedures are composed from a microservice-oriented architecture. The result is a highly extensible and tunable system that can enforce management policies, automate administrative tasks, and periodically validate assessment criteria. iRODS 4.0+ represents a major effort to

analyze, harden, and package iRODS for sustainability, modularization, security, and testability. This has led to a fairly significant refactorization of much of the underlying codebase.

iRODS has been modularized whereby existing iRODS 3.x functionality has been replaced and provided by small, interoperable plugins. The core is designed to be as immutable as possible and

serve as a bus for handling the internal logic of the business of iRODS. Seven major interfaces have been exposed by the core and allow extensibility and separation of functionality into plugins.



Download (Last ned) pdf-boken, pdf boken, pdf E-böcker, epub, fb2

Alla böcker. 30 dagars gratis provperiod