

D21: MoMe Database



A quick overview

D21 in a nutshell

- | Objective of D21
 - | Provide the basic guidelines for the design of the MoMe database
- | MoMe database =
 - | a database to access measurement traces published by collaborating projects
- | MoMe integrates standard analysis for traces
 - | Standard analysis on traces performed by the MoME server
 - | Analysis integrated in database queries

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State of the art

- | There are other comparable projects
- | None has published tools yet, which MOME could adopt right now
- | Hardly anyone of them proposes to replicate traces in their own repository
- | The common strategy
 - | Each research project publishes his traces by itself
 - | Published traces are registered in a 'umbrella' database, which provides:
 - | Information on the nature of the trace
 - | Tools to browse the database for specific data
 - | The database provides link to the place trace is published

Database design

- | Three kinds of actors
 - | Unregistered users
 - | Registered users
 - | Admin
- | Trace types considered
 - | Packet trace
 - | Flow trace
 - | QoS measurement
 - | Routing trace
 - | HTTP trace
- | Web based data repositories can also be integrated in MOME
- | All have a common structure
 - | Common attributes + trace specific attributes + standard trace analysis