Eprints Archive Software System Documentation

Robert Tansley   Christopher Gutteridge
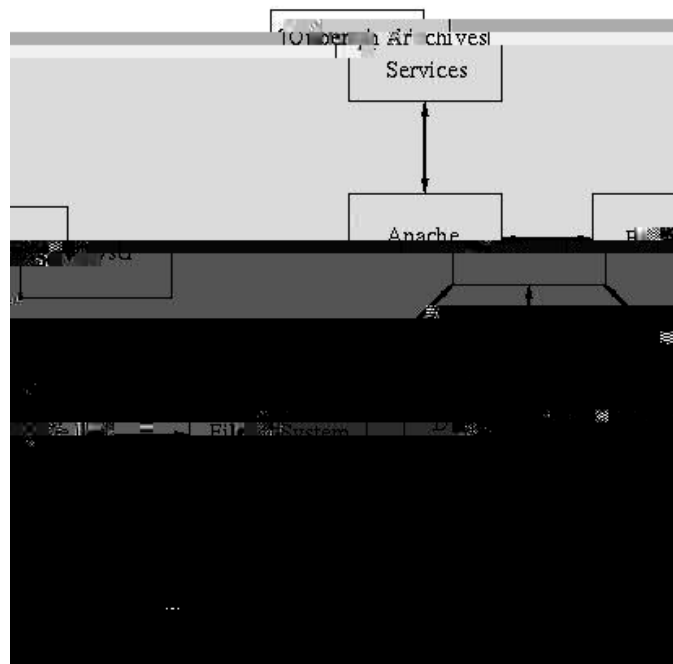
January 22, 2001

Contents

1 Introduction

Figure 1: Overview of the Components of an *Eprints* arc9.47hiv9.47e

2.1 Directory Structure

This section lists and describes the directories in an installed *Eprints* system.

bin

and run `generate_static` (or `update_laf`.) The le will be added to the archive Web server.

In order to reduce processor load, and to enable search engines such as

boolean	true or false
date	a date (day, month and year)
email	an e-mail address
enum	one of a speci ed set of values
eprinttype	a type of eprint (generally only used by system)
intc]TJi1 64.6eger /F8 9.963 Tf 04.656 0 cmunsigned eprint (generally only used by system)

Argument	Types it applies to	Description
type	ALL	the type of eld, from table 1
required	ALL	

Miscellaneous arguments:

subjects

documents Contains information about the eprint document les (e.g. PDFs,

Field Type	Stored as MySQL Type	Internal Representation (MySQL & *Eprints* code)
boolean	SET('TRUE','FALSE')	`TRUE' or `FALSE'
date	DATE	YYYY-MM-DD
email	VARCHAR(255)	as-is
enum	VARCHAR(255)	tag of the selected value
eprinttype	VARCHAR(255)	tag of the eprint type
int	INT UNSIGNED	the number
multitext	TEXT	as-is
multiurl	TEXT	as-is
username	TEXT	:username1:username2:
name	VARCHAR(255)	:surname,firstname middlename:surname Jr., firstname,middlename:
pagerange	VARCHAR(255)	xxx-yyy,Td|(VARCHAR(255))n'80 Td[(xxx-y]TJ/F8 9.963 Tf 320.9
usr	VARCHAR(255)	as-is

The make_meta_fields method in SearchExpression.pm

tag1: tag2: tag3: ANY

This will retrieve records where the eld has any one of the values tag1, tag2 or tag3.

In SQL: Each tag is turned into a LIKE "%: tag: % clause. Multiple tags are then combined with AND or OR in order to construct the SQL query.

5.1.7 year elds

HTML Form: Rendered as a text inpue34c93(08 0 Td[(year)]TJ/a00(acceptingpue34c(SQL))-29i352(otern

This sorts results by descending year, then `9.4lors`, then `title`. The default order if ASCending or DESCending are not speci ed is ascending.

`SearchExpression.pm` can also produce a text string which, at a later time, can be fed back into `SearchExpression.pm` to recreate the same search. This technique is used by the subscriptions mechanism to store and retrieve user subscriptions.

This usually results in a chain of versions, but may result in a `tree' of

Remove email based user registration.