Eprints Archive Software System Documentation

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1 Introduction

This document describes the workings of the Eprints archive software, and how it interacts with the other components to provide services.

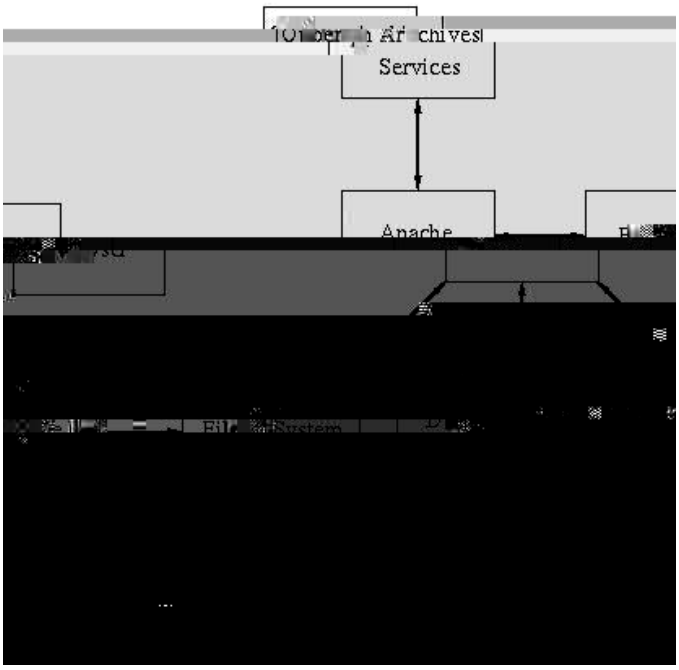

Figure 1: Overview of the Components of an *Eprints* arc9.47hiv9.47e

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 file 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)	iext-yyy,Td[(VARCHAR(255)n'80 Td[(as-is)]TJ/F8 9.963 Tf 320.
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 9.4Iors, 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.

The code which creates the link to each format from the abstract page is in `SiteRoutines.pm`