Repository Customisation: Configuring EPrints
EPrints successfully runs on
- Linux
- Microsoft Windows
- Solaris
- Mac OS-X

Installation process is standardised

One site installation can run many separate repositories
- mixing and matching EPrints and other Web-based services on the same host is possible
Installation: Run epadmin Tool

- Walks you through creating an EPrints 3 repository
  - core configuration
    - hostname, repository name
  - database configuration
  - creates database
  - creates tables in database
  - creates an initial user account
    - username, user type, password
  - creates repository Web pages
- Open repository homepage in browser & log in
EPrints - the Administrator's View

- SQL database
- Web server
- Scripts to configure repository activities
- Configuration files
Where are the configuration files?
EPrints Home Directory

The figure shows a file browser window titled "eprints3 - File Browser". Within the window, there are several folders displayed:

- lib
- archives
- bin
- cgi
- perl_lib
- testdata
- cfg
- var

These folders are part of the EPrints home directory structure.
EPrints Home Directory: Configuration

- **Global** configuration for all repositories
- **Repository-specific** configuration for each repository
Global vs. Local Configuration

- Single EPrints installation can run multiple repositories
  - each may be very different in style in functionality
- EPrints configuration files divided into
  - global configuration
    - least likely to be changed
    - shared by all repositories
    - considered **read only** but can be overridden at the local level
  - repository-specific (local) configuration
    - often changed
    - each repository has its own set
EPrints Home Directory: Programs

Directories for storing programs

- bin
- cgi
- perl_lib
- testdata
- cfg
- var
- archives

Holds all the modules required by Perl scripting language
Test data for populating a repository

Apache configuration
EPrints Home Directory: Temp Files

Temporary files
Contents of archives Directory

A subdirectory for every active repository
Contents of archives Directory: Where Next?
Contents of individual archive directory

The configuration files for this repository
Contents of individual archive directory

PDFs etc.
Contents of individual archive directory

Processed static webpages
This is where static content gets served from
Contents of individual archive directory

Temporary files
Contents of individual archive directory
Contents of individual cfg directory

Configuration files...
Contents of individual cfg directory

...citation definitions...
Contents of individual cfg directory

...language-specific content...
...there are LOTS of configuration files!

Rather than examine each individually, consider two common configuration tasks

- Branding
- Adding a new metadata field

One step at a time

- examining cause and effect
- not how you would normally do things!
Aside: EPrints 3 for EPrints 2 administrators

- EPrints 2 had many large config files
  - now split into several smaller files
  - with filenames that make finding specific configuration options much easier!

- cfg directory reshuffled to organise files more logically