Repository Customisation: Configuring EPrints

EPrints Training Course

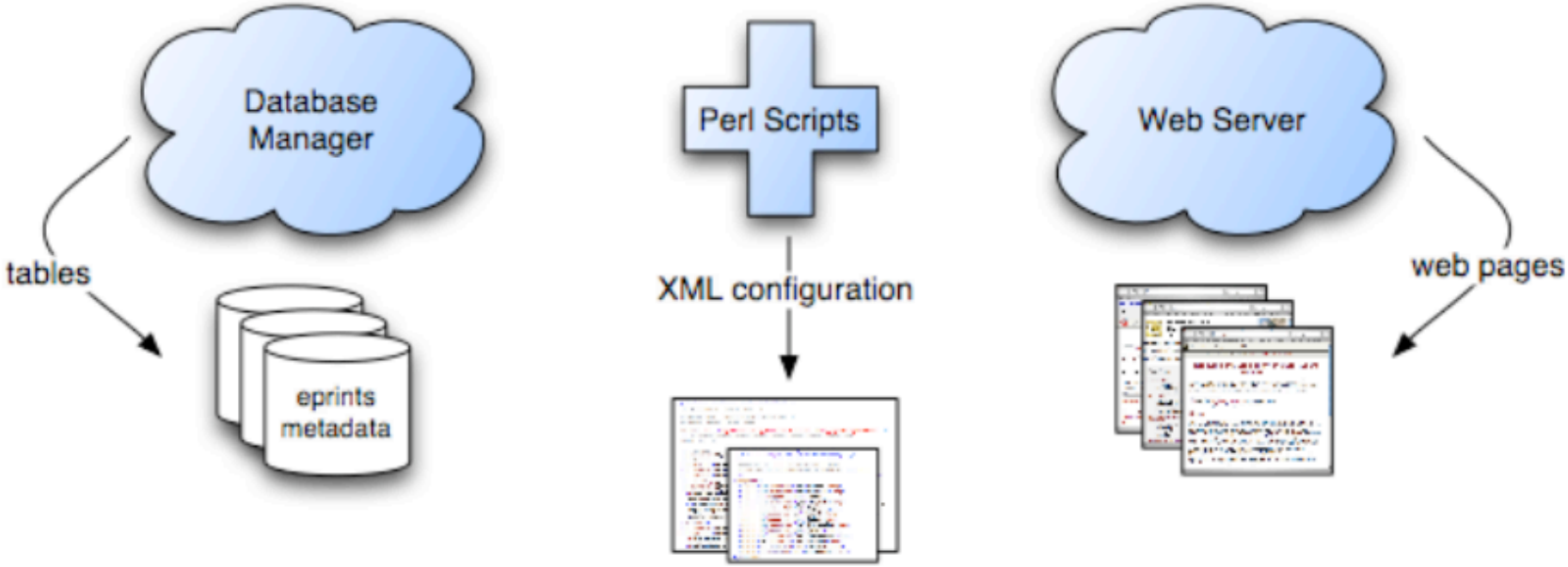
EPrints Installation

- 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

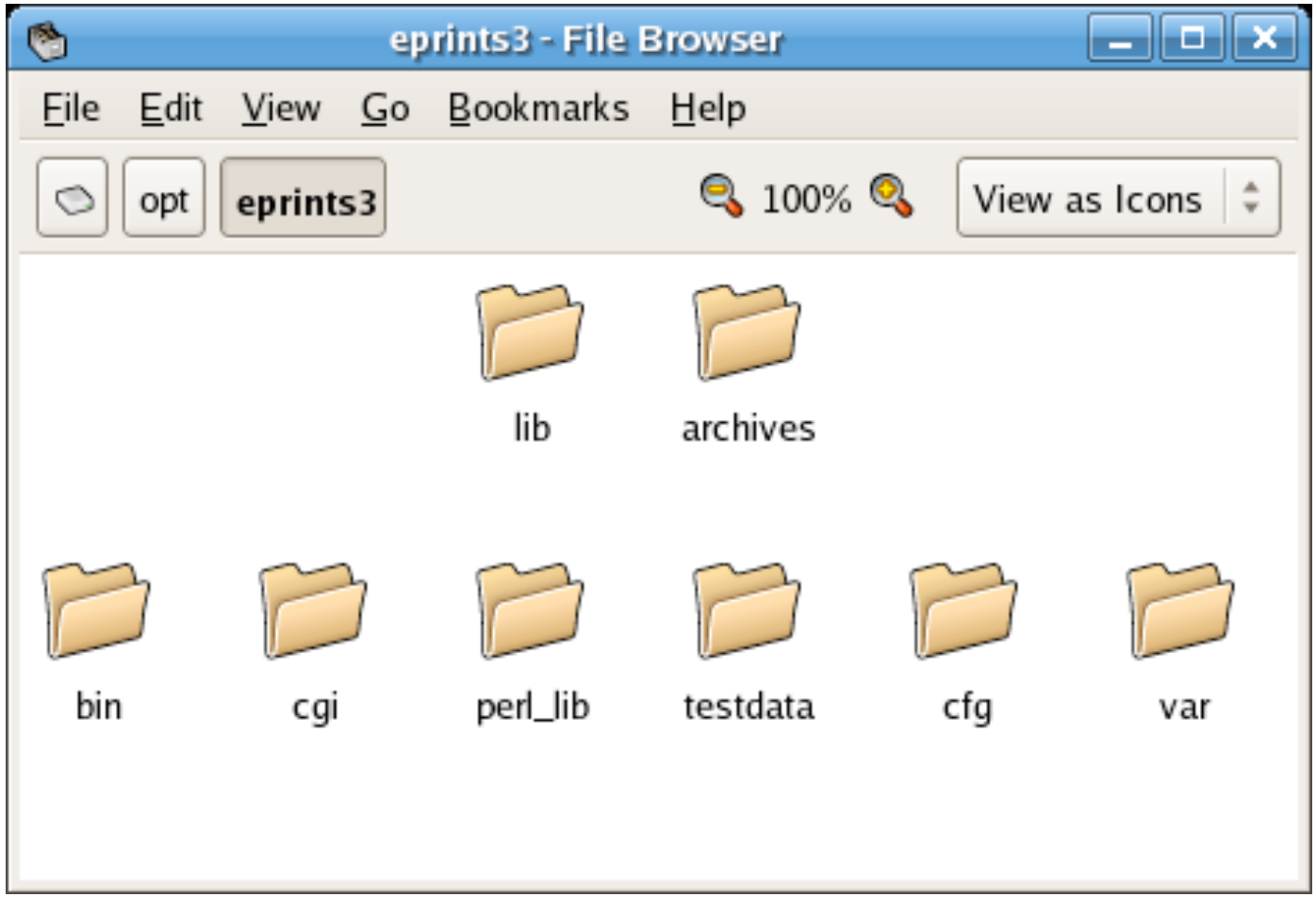


- SQL database
- Web server
- Scripts to configure repository activities
- Configuration files

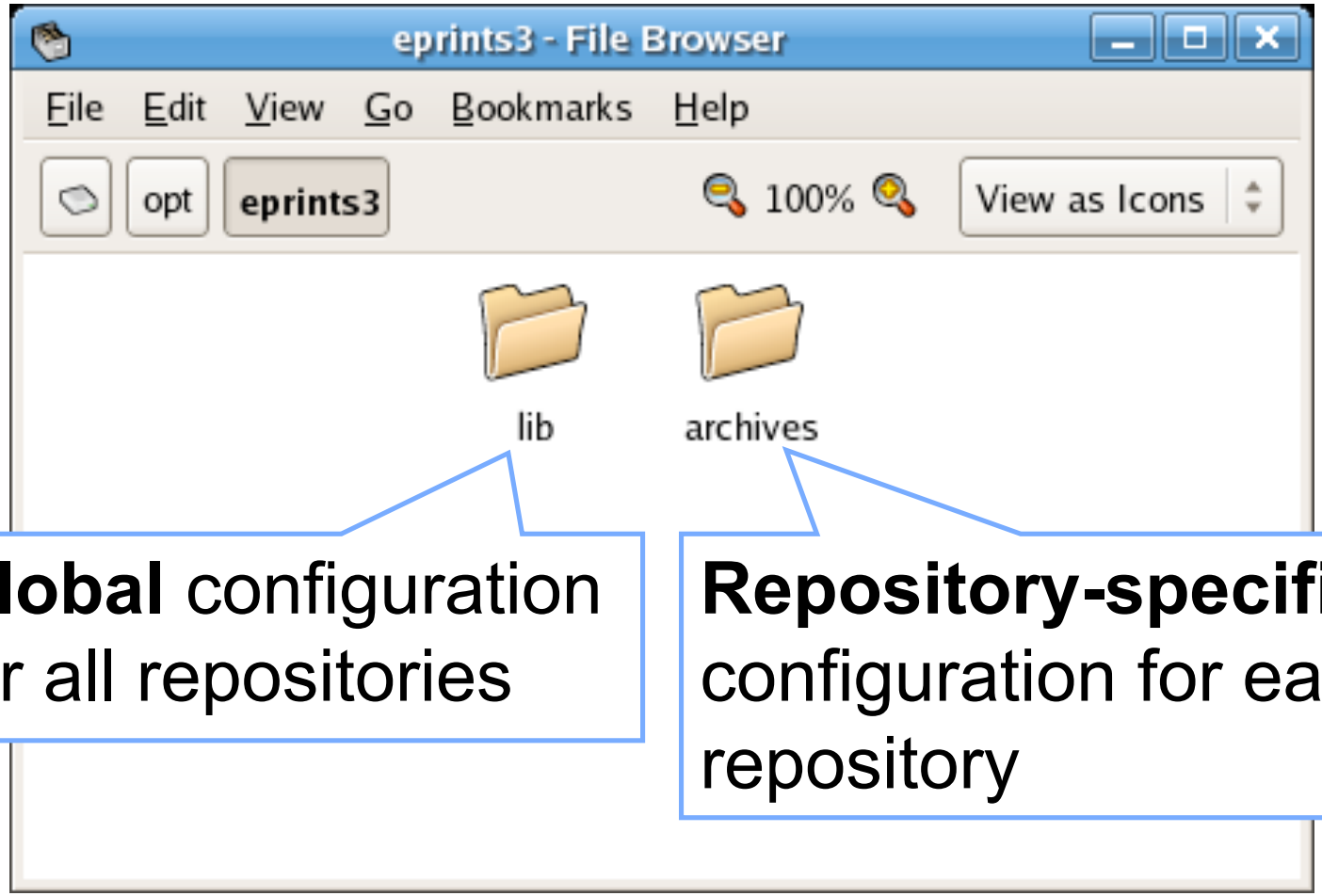
Orientation

- Where are the configuration files?

EPrints Home Directory



EPrints Home Directory: Configuration



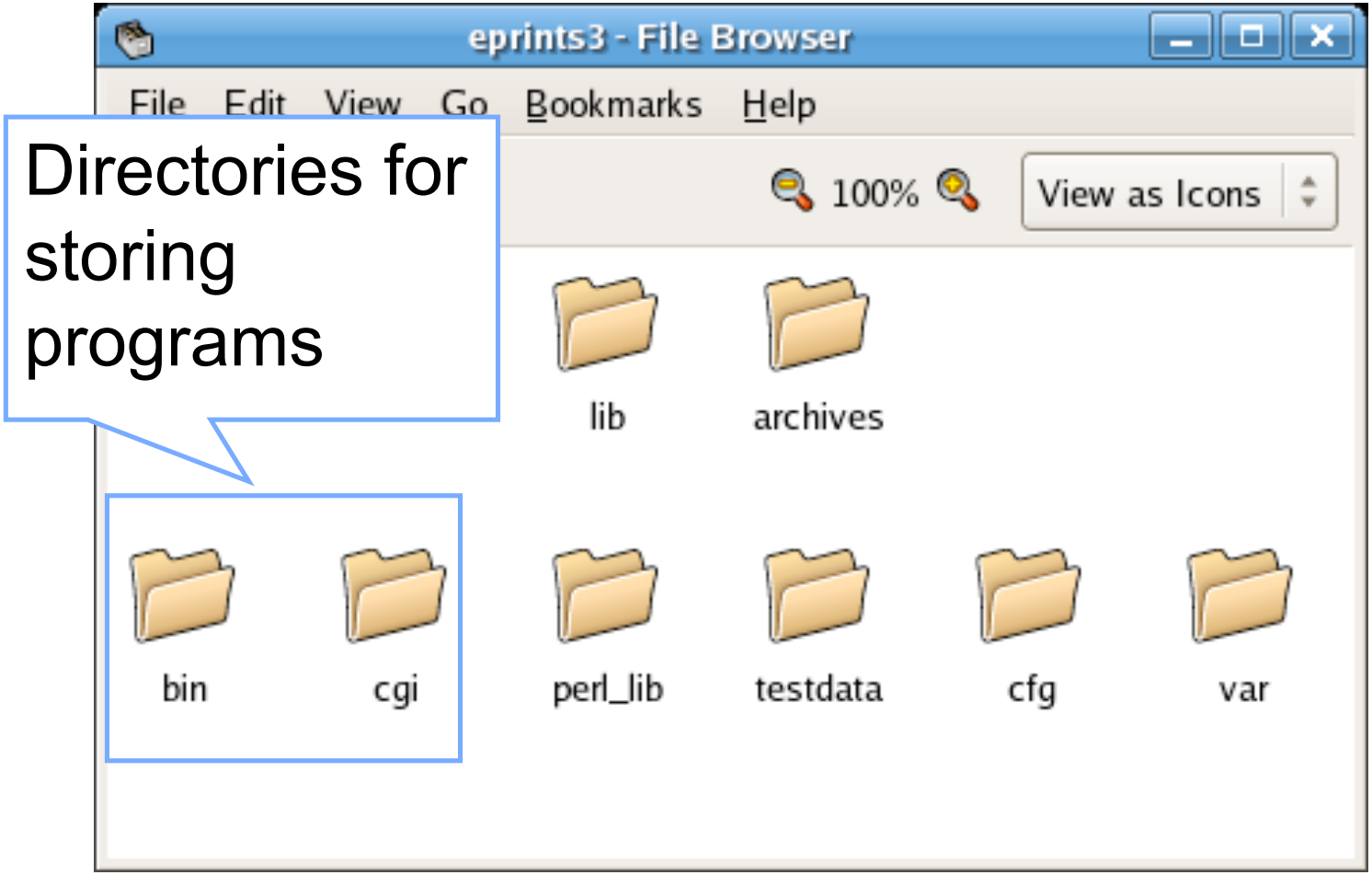
Global configuration for all repositories

Repository-specific configuration for each repository

Global vs. Local Configuration

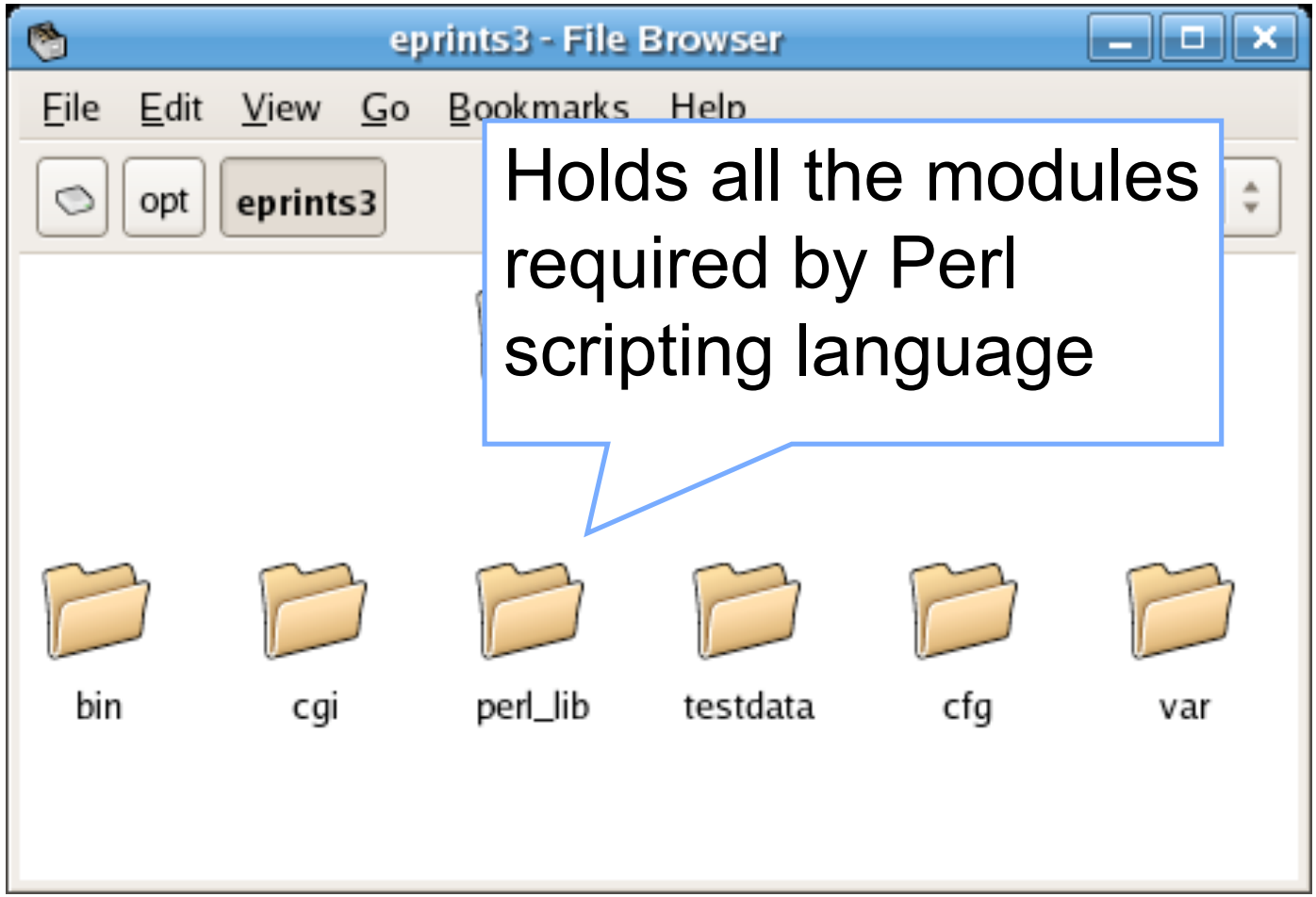
- Single EPrints installation can run multiple repositories
  - each may be very different in style in functionality
- EPrints configuration files divided into
  - global configuration
    - least likely to be changed
    - shared by all repositories
    - considered **read only** but can be overridden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

EPrints Home Directory: Programs

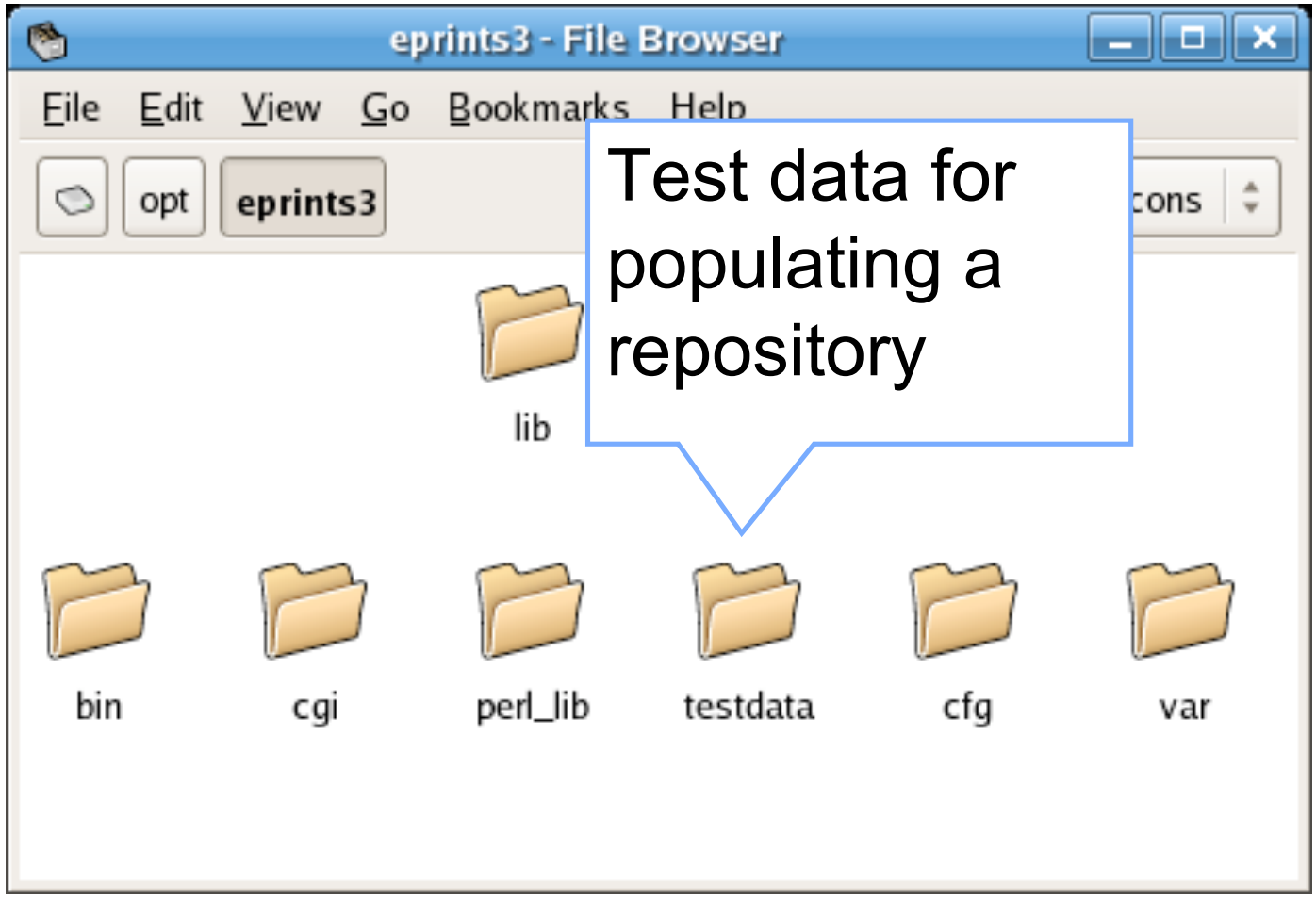


Directories for storing programs

EPrints Home Directory: Perl Modules

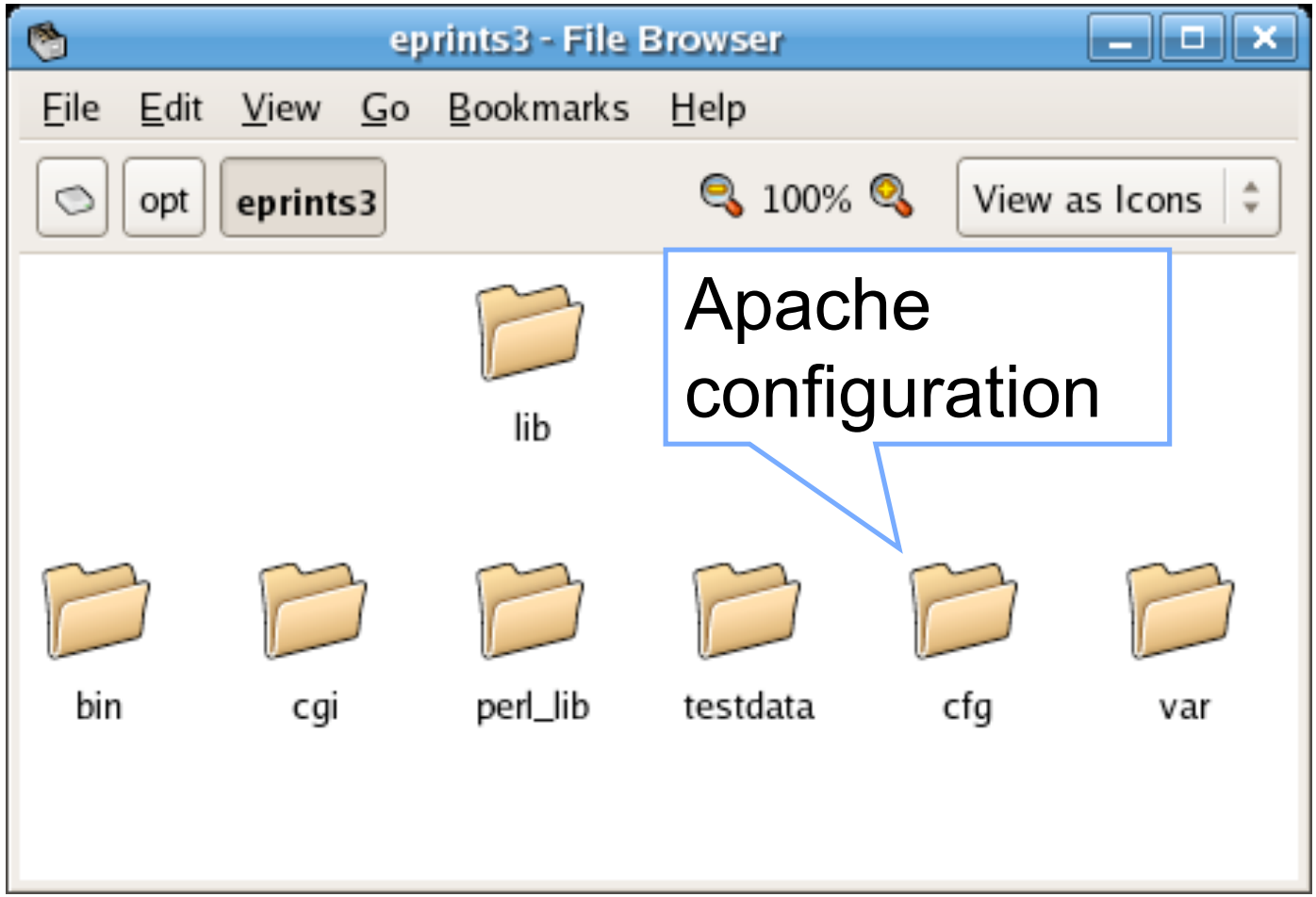


EPrints Home Directory: Test Data

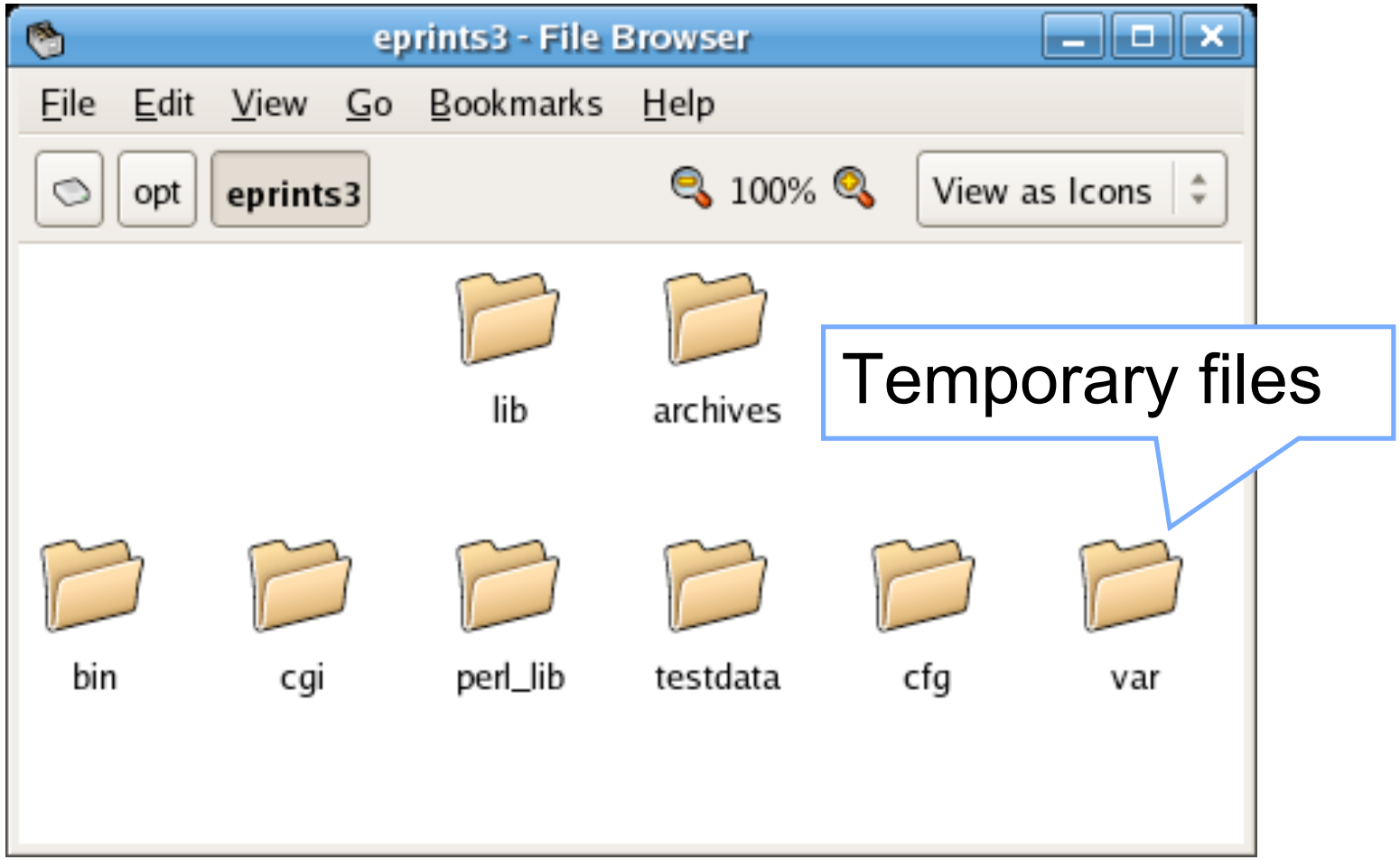


Test data for populating a repository

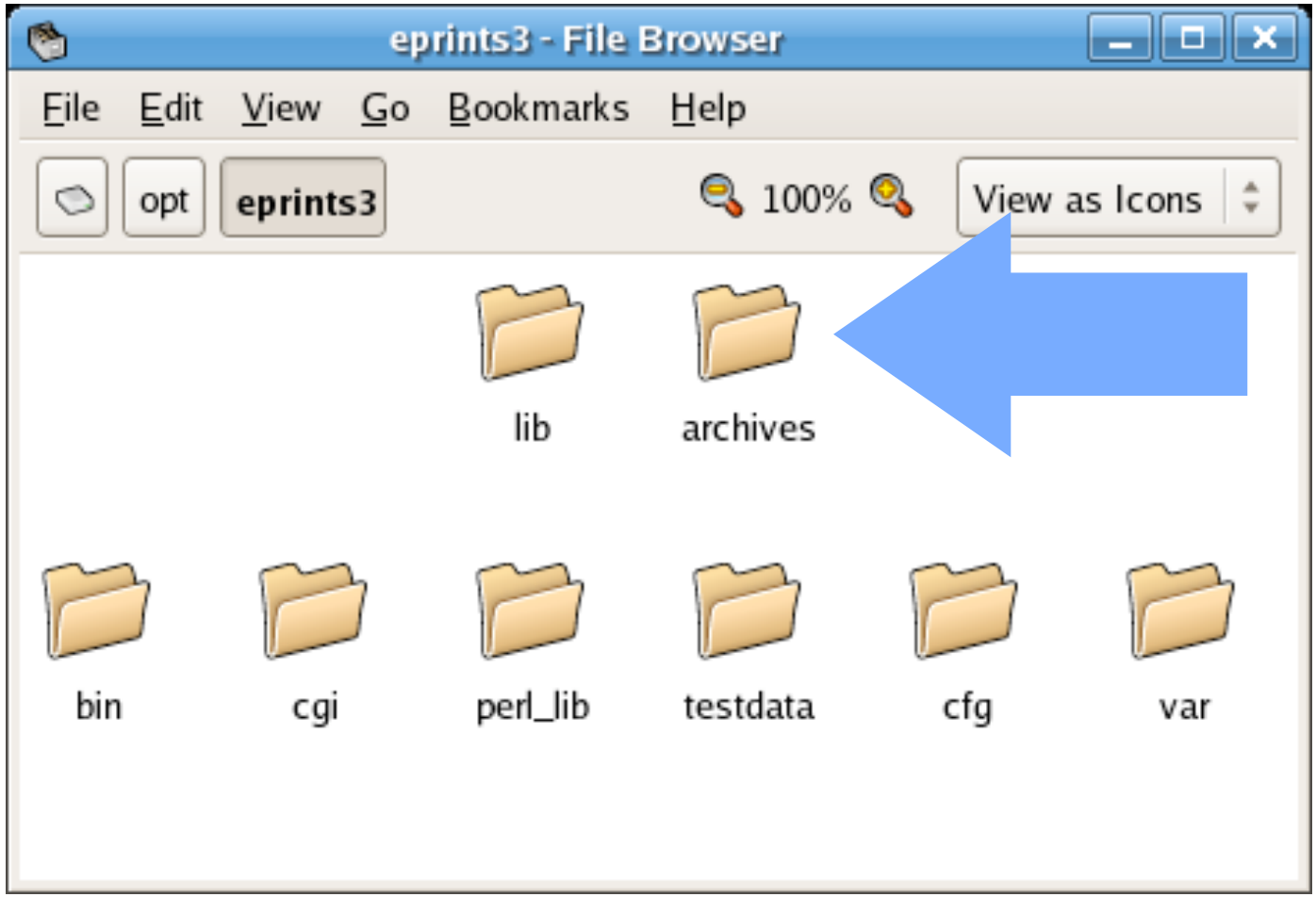
EPrints Home Directory: Apache



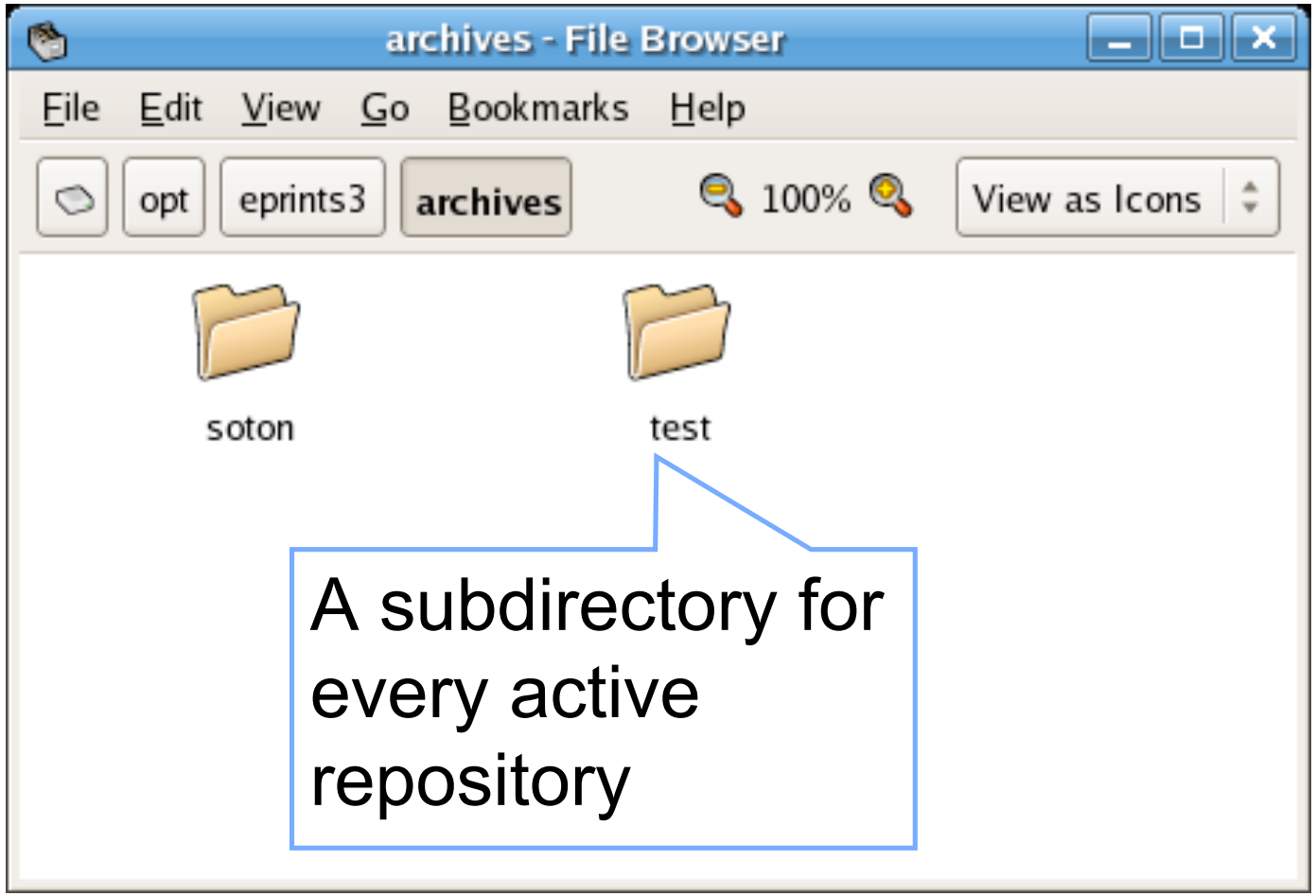
EPrints Home Directory: Temp Files



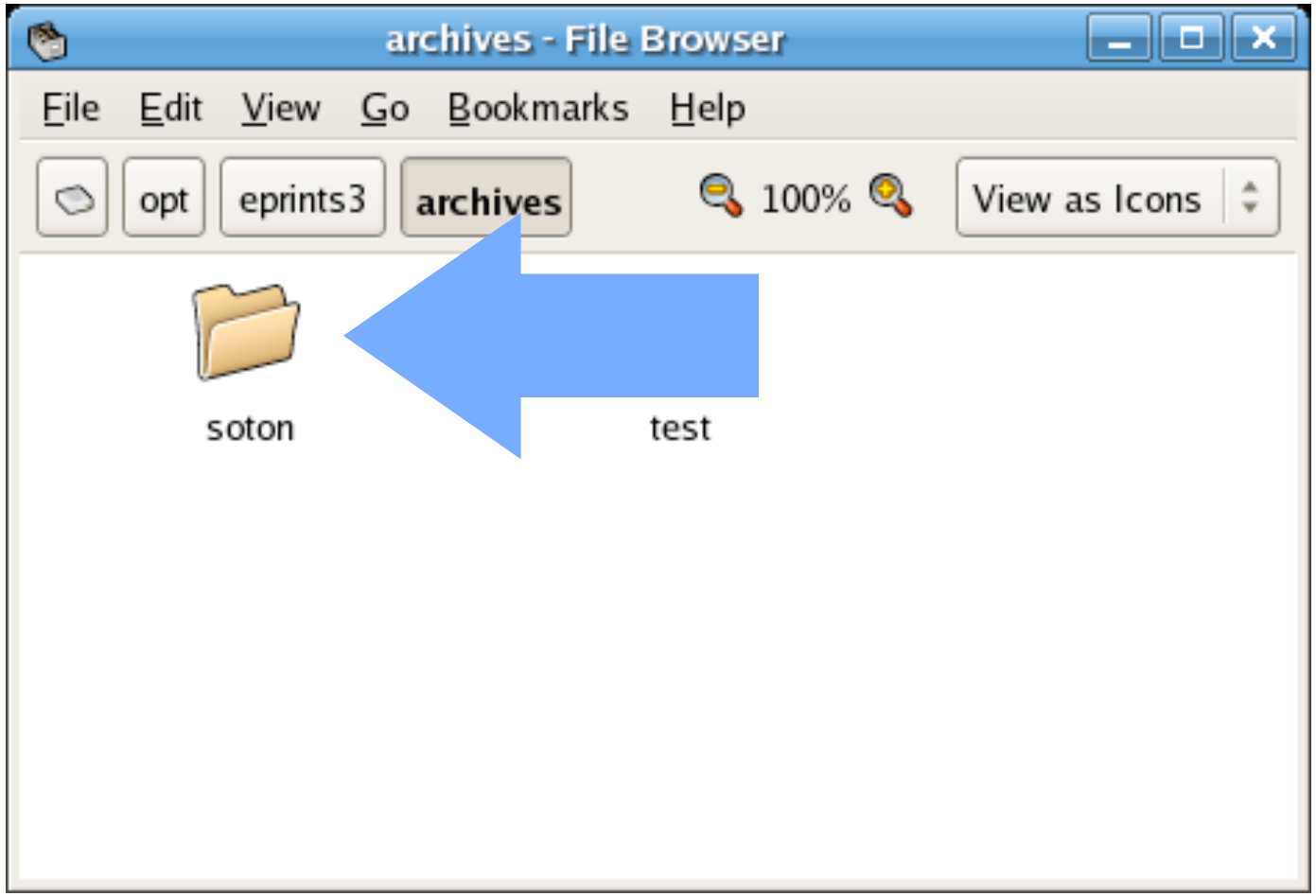
EPrints Home Directory: Where Next?



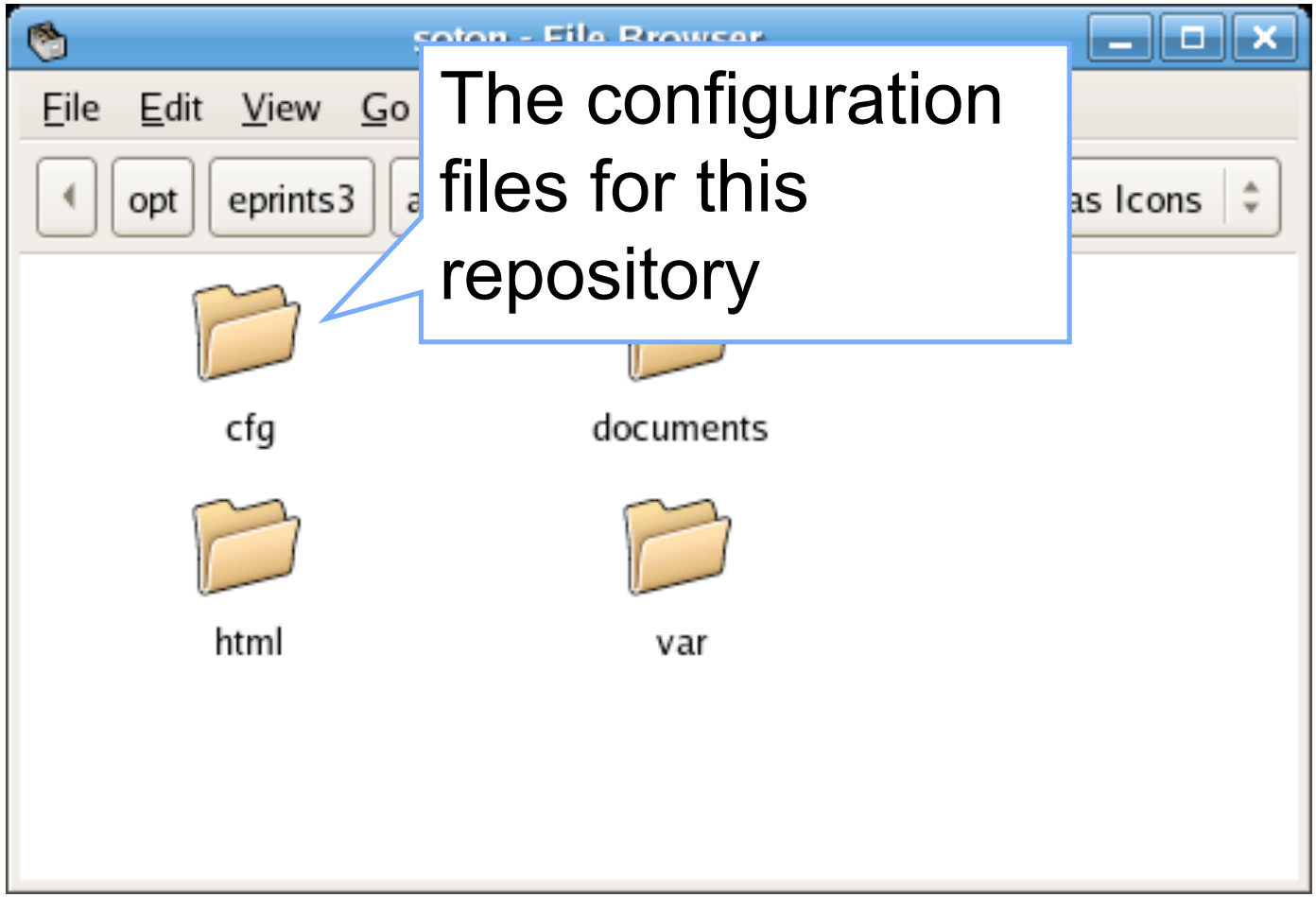
Contents of archives Directory



Contents of archives Directory: Where Next?

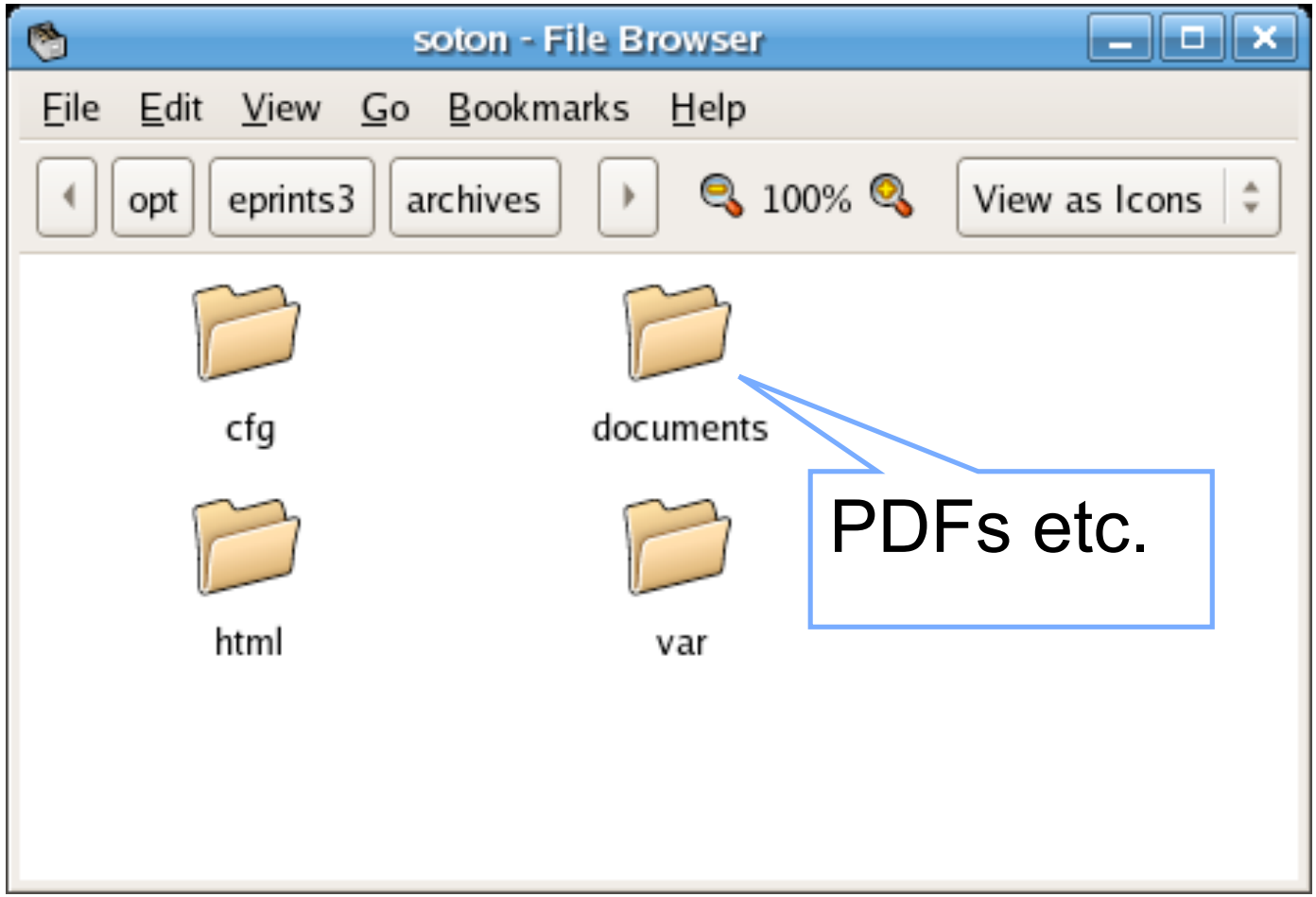


Contents of individual archive directory



The configuration files for this repository

Contents of individual archive directory



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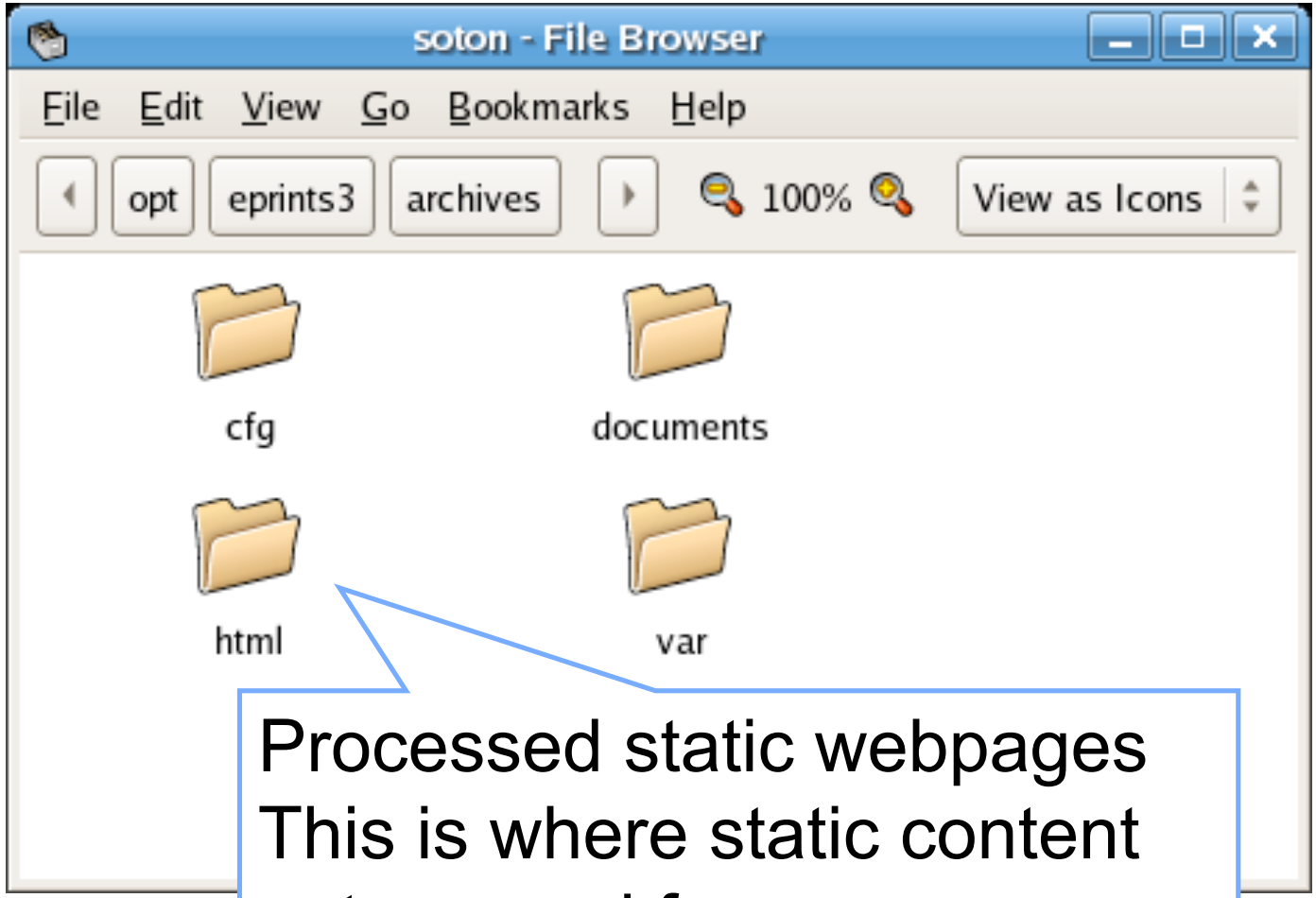
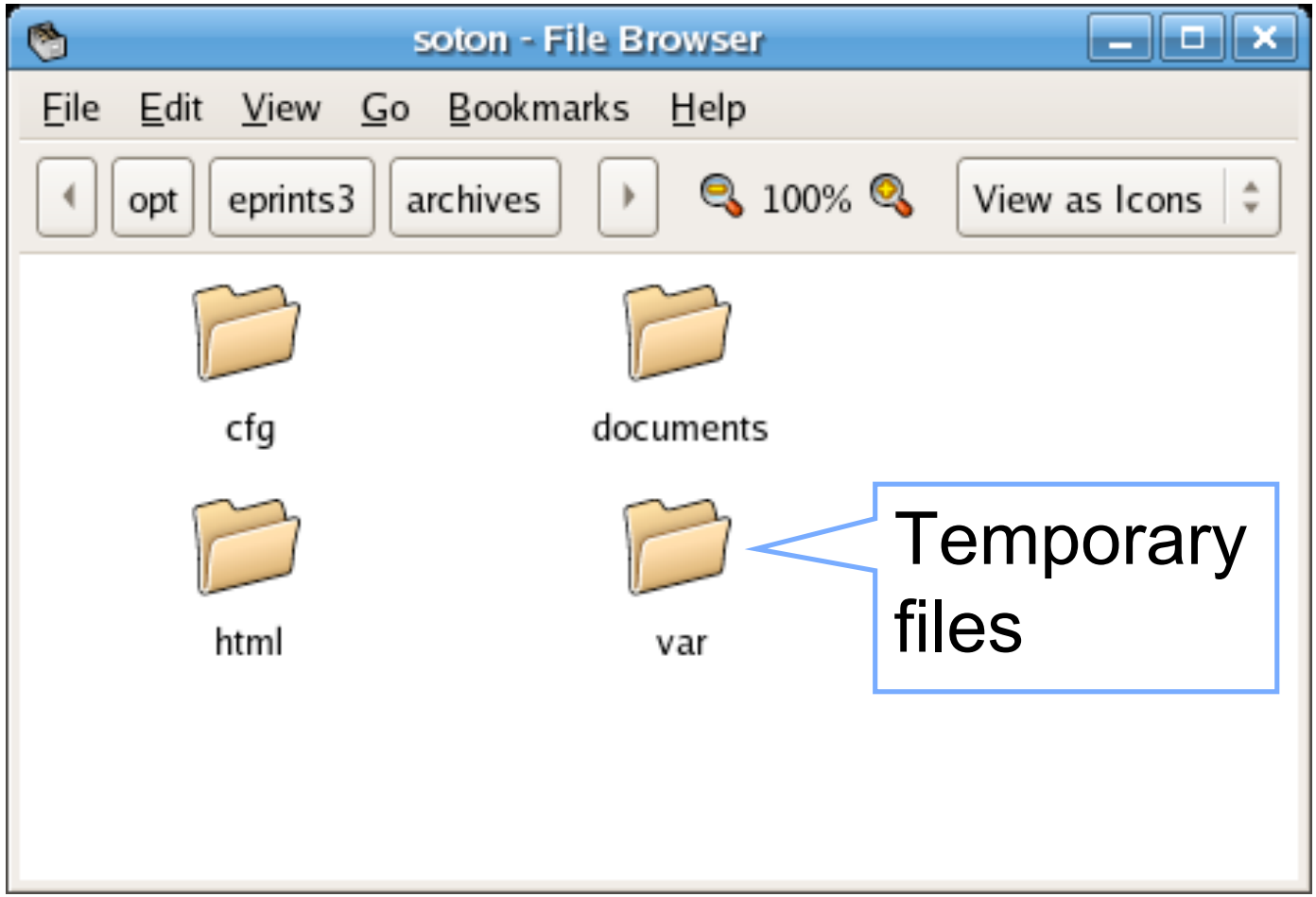


Processed static webpages
This is where static content gets served from

eprints

Contents of individual archive directory



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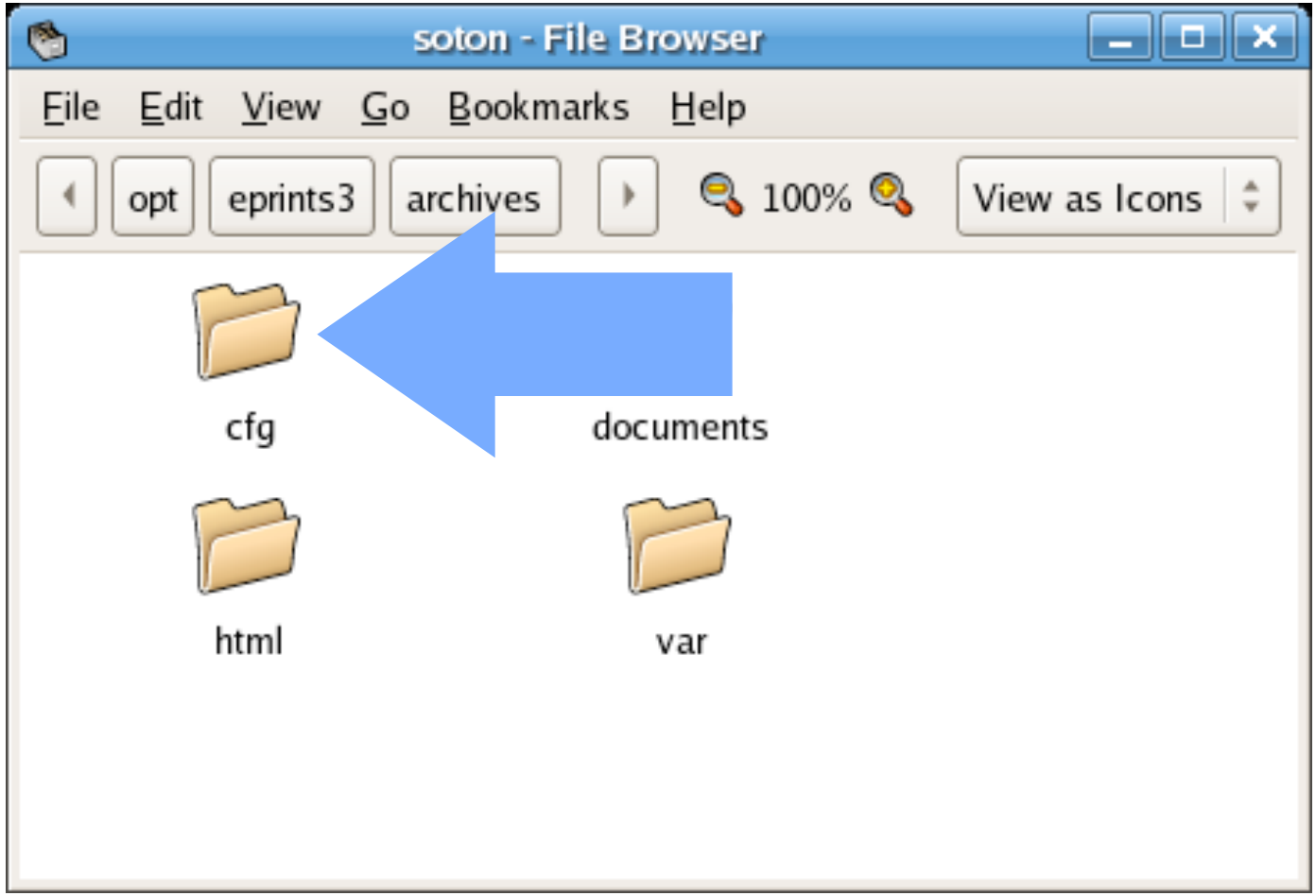
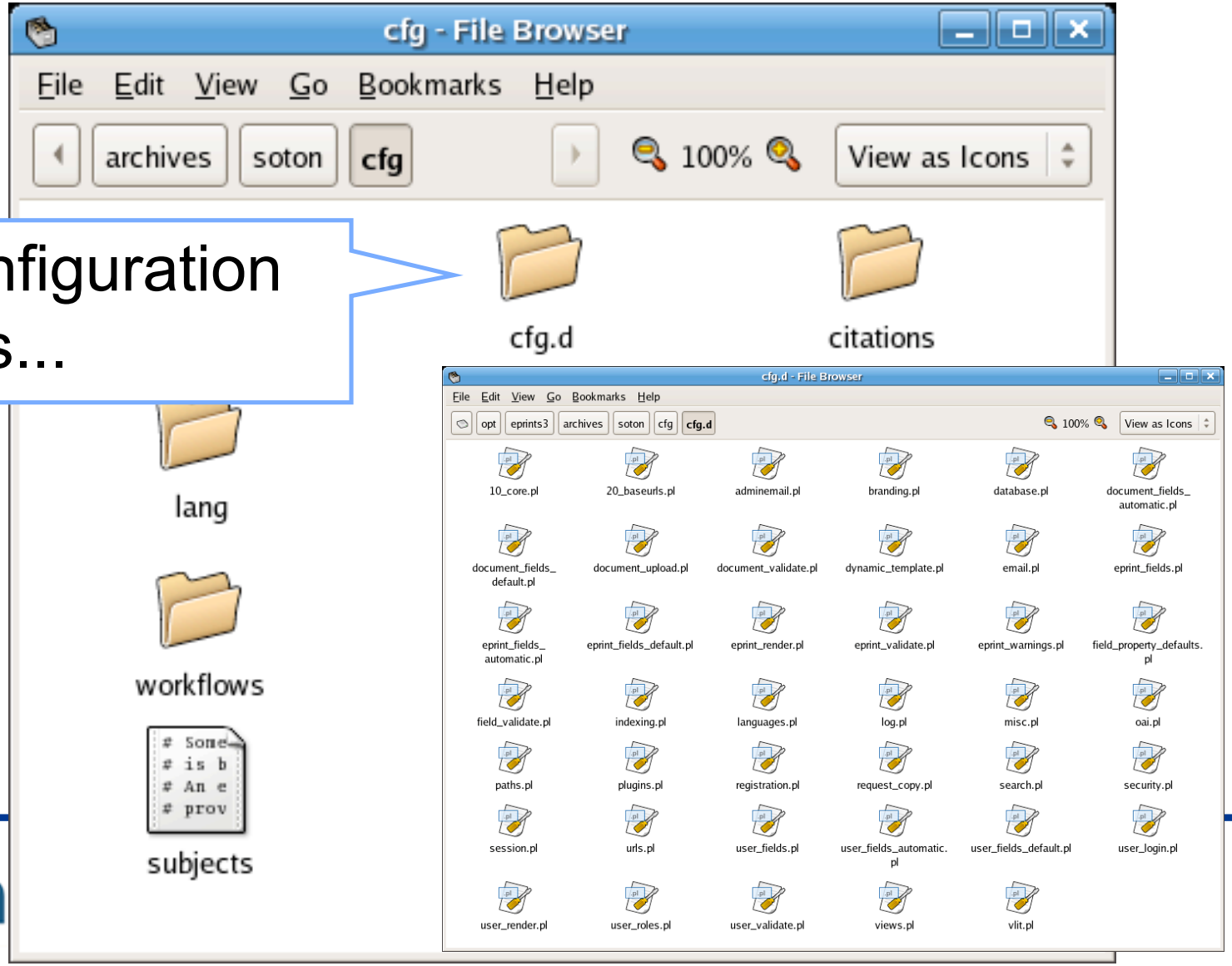


Contents of individual cfg directory

Configuration files...



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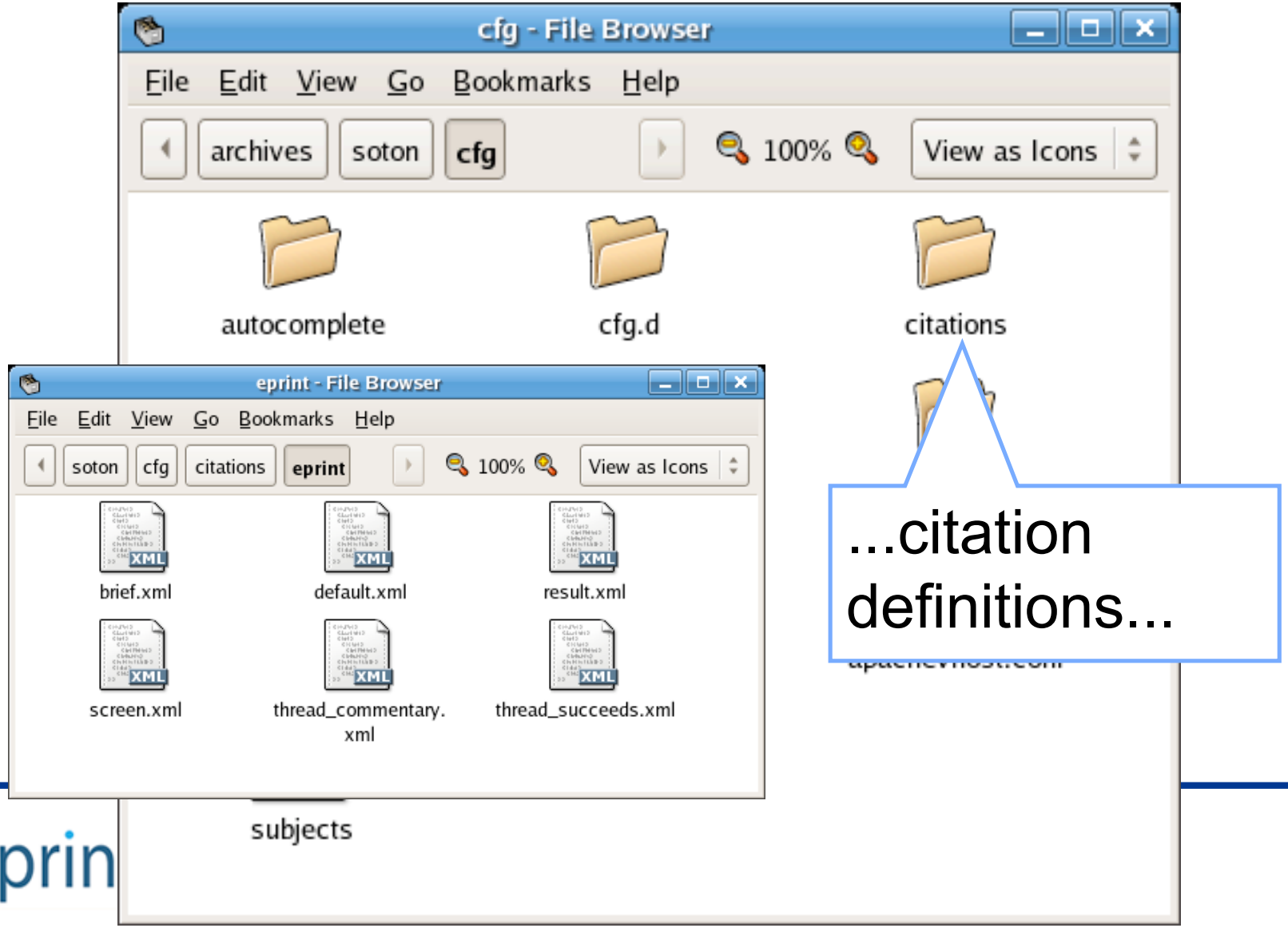

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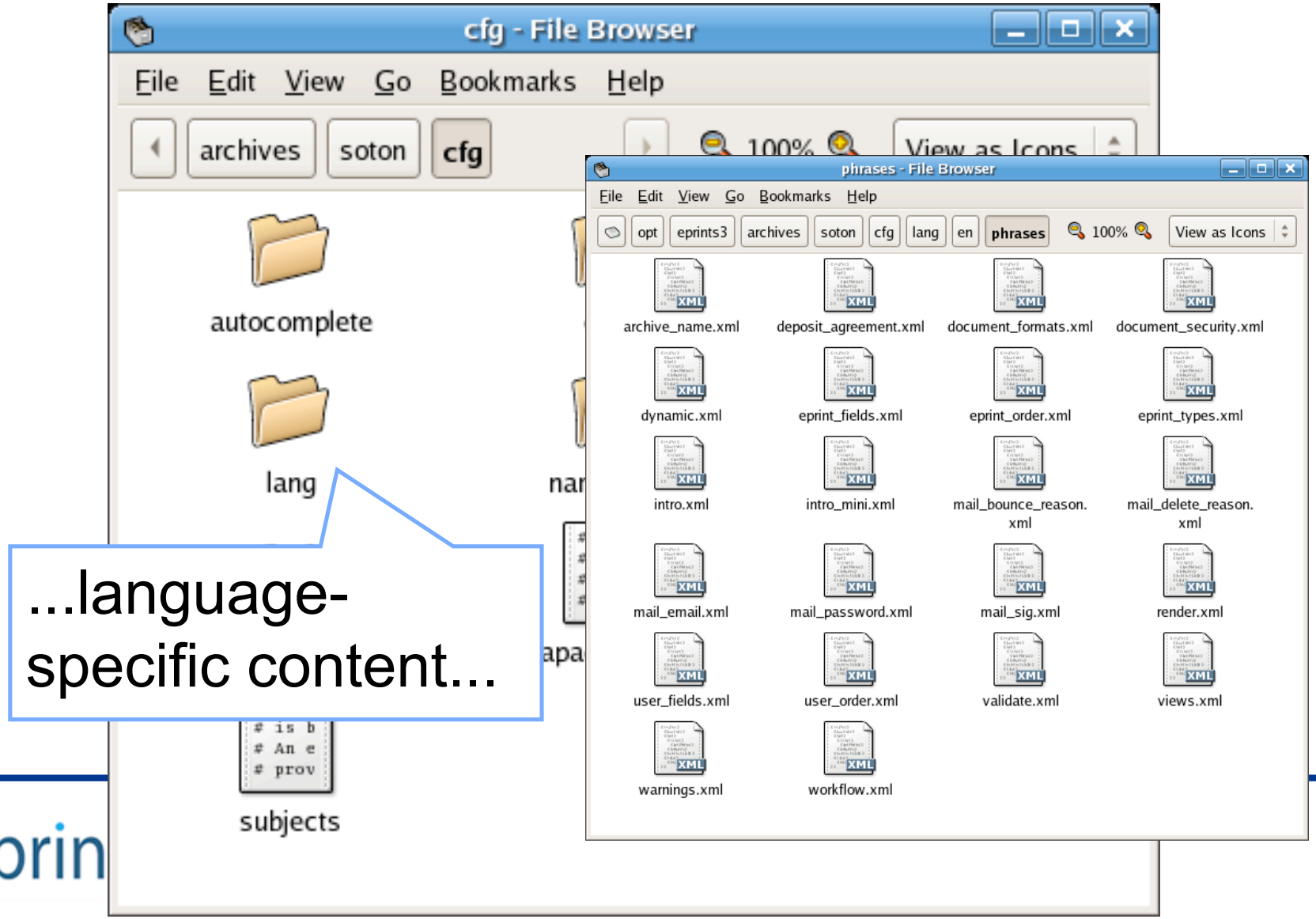

...language-specific content...

Contents of individual cfg directory (2)

- ...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
- `http://wiki.eprints.org/w/EPrints_3_Configuration_orientation_for_EPrints_2_administrators`