

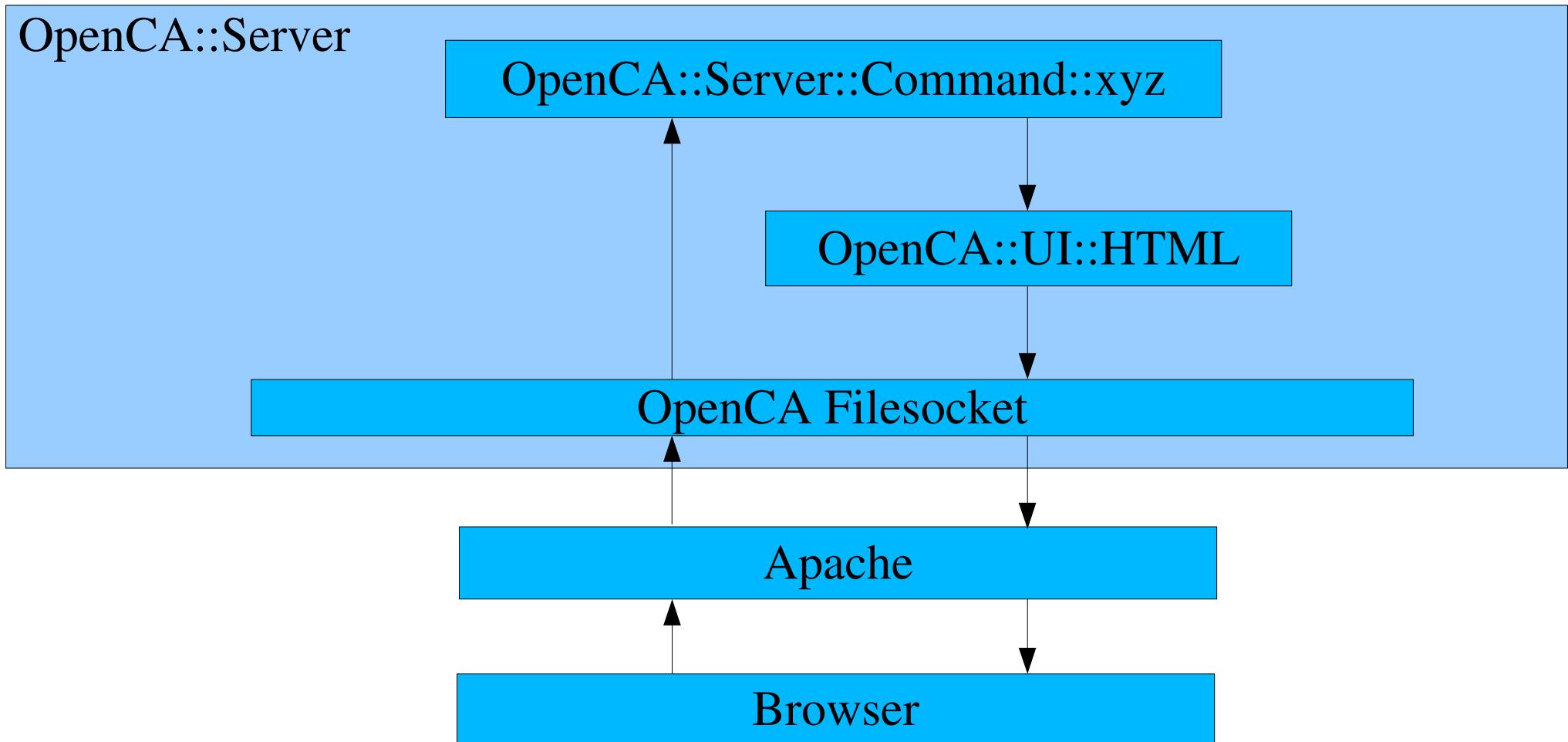
Core Design Outlined

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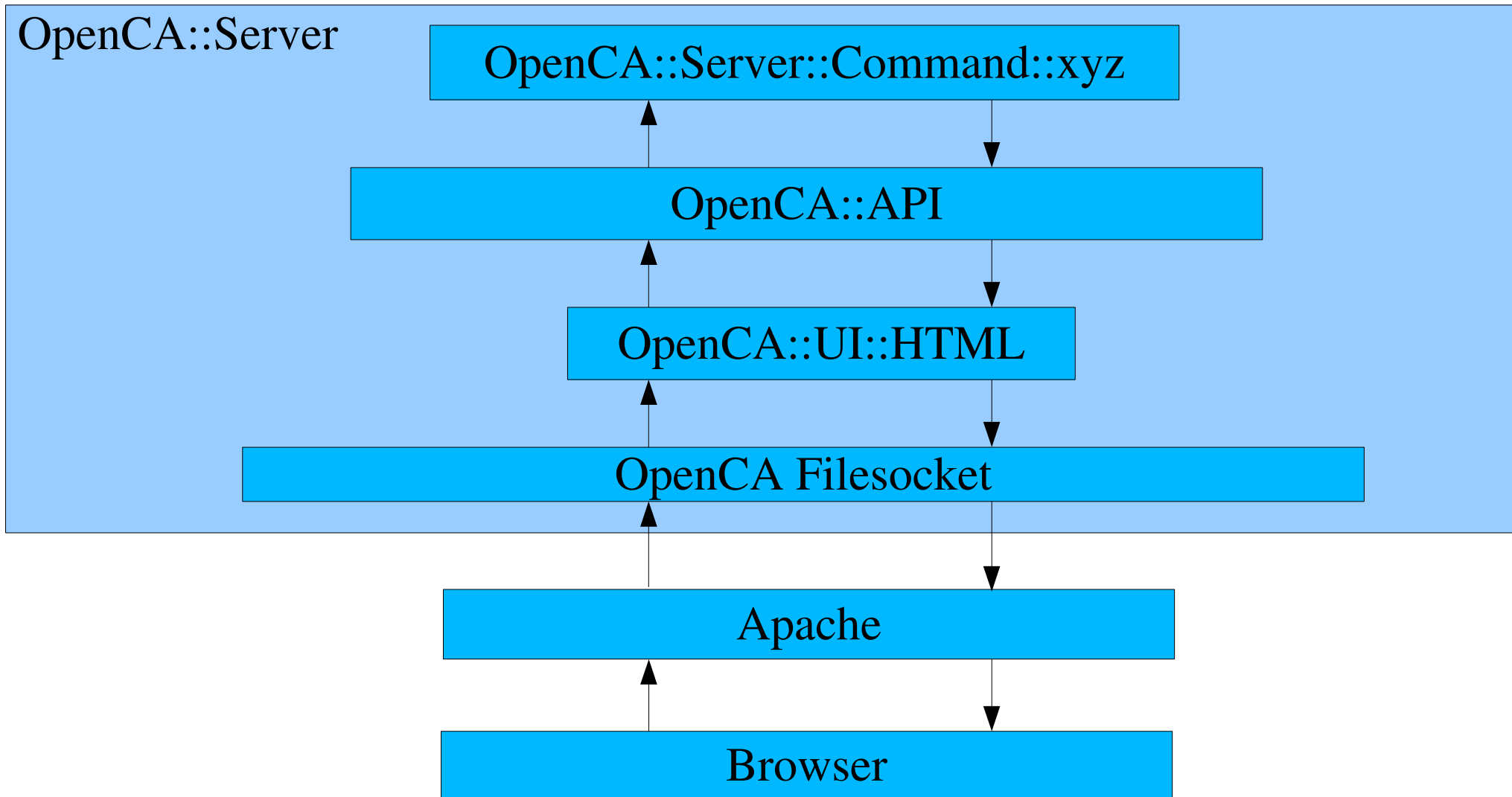
Agenda

- Basic Design (user view)
- Core commands
- API
- User Interface
- Cronjob

Basic Design (old)



Basic Design (new)



Core commands

- What does a command in the server?
 - get some specified input parameters
 - check the input parameters
 - perform some work
 - send an answer to the GUI

Core Commands (cont.)

- only for database and PKI operations
- Exceptions
 - access control
 - token login
 - io_hook (messages and errors)

Core Commands (cont.)

- What is required for a new command?
 - update MANIFEST
 - add it to OpenCA::Server::Command
 - update acl.xml
 - create the command itself

API

- What does the API be?
 - Firewall between the server and the user interfaces
 - Offers a very limited number of functions
 - Central gateway for access control
 - Configuration access
- Major drawback
 - Perl does not know real private functions or data
(=> waiting for Perl6)

User Interfaces

- What does the job be of the UIs?
 - wrap around the core commands
 - build a usable interface for the user
 - Example: `view_cert`
 - core command `get_cert` returns a reference to an object
 - interface command `view_cert` must
 - extract the data from the object
 - prepare the data (e.g. timestamps in seconds)
 - format and output the data (incl. available operations on the data)

User Interfaces (cont.)

- What can I customize?
 - the presentation of the data (look & feel)
 - the supported options/commands
 - the parameter configuration for the access to the core commands
 - the interpretation of the results of the core commands
 - interface specific stuff

User Interface (cont.)

- HTML
 - menu.xml
 - CSS
 - images beside the menu
- Shell
 - order of the commands
 - result handling
- SCEP - nothing

Cronjobs

- Example: see test/shell/ (old) or t/shell/ (new)

```
openca- shell- client $CLIENT << EOF
1
1
emailAddress= test @openca.info,CN= OpenCA::UI::Shell
    Test,OU= Test,O= OpenCA,C= DE
0
root
root
12345678
0
EOF
```

Cronjobs (cont.)

- ToDo list
 - create script with the content of the example
 - create entry in the crontab
 - test the whole stuff
 - be proud to have a PKI cronjob ;-D
- open issues
 - Should we read real commands instead of numbers?
 - Should there be a single command line version?

Questions?