

# **The eXaMpLe Framework**

**Hans Hagen**

**no backslashes  
and dollars**

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**graphical  
user interface**

**no backslashes  
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**graphical  
user interface**

**point and click**

**no backslashes  
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**graphical  
user interface**

**no compromise  
on quality**

**point and click**

**no backslashes  
and d**

**graphical  
interface**

**angle brackets  
all over the place**

**no comp  
on quality**

**point and click**

**a few examples**

# a few examples

- writing skills



# a few examples

- writing skills

- mass production

**the building blocks**

# the building blocks

- the pdf $\TeX$  engine

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- the pdf $\TeX$  engine
- an Acrobat based gui

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- the Con $\TeX$ t macropackage

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- XML dataflows

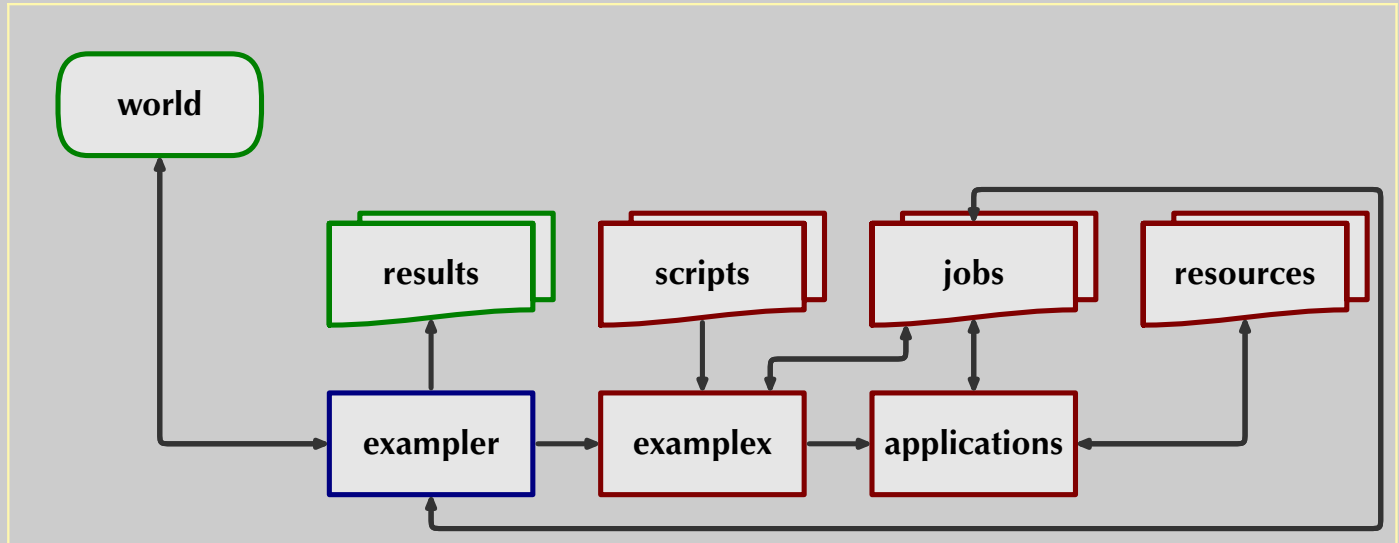
# the building blocks

- the pdf $\TeX$  engine
- an Acrobat based gui
- the Con $\TeX$ t macropackage
- Perl and Ruby scripts
- XML dataflows
- a test bed for demonstrations



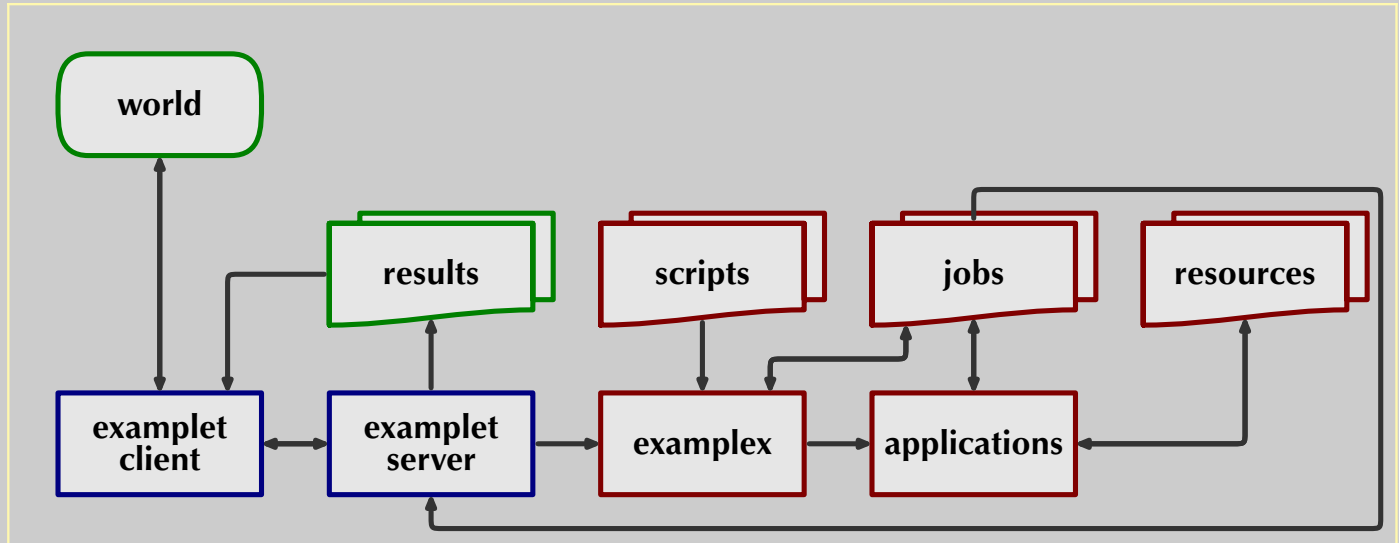
**a stand-alone system**

# a stand-alone system



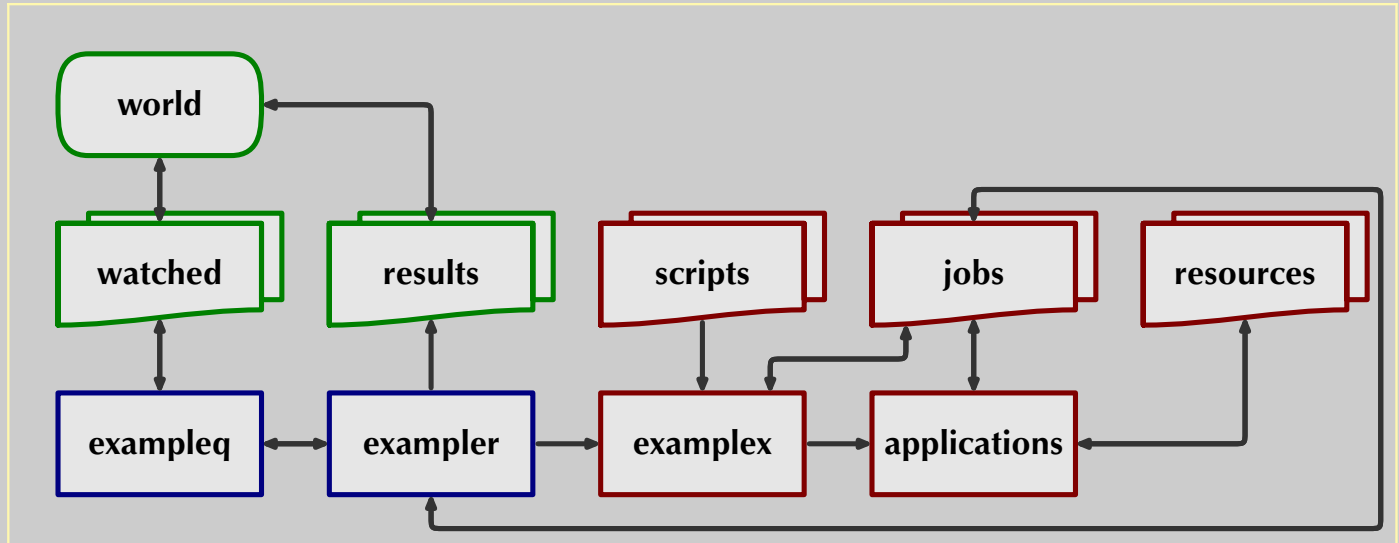
**a watched folder system**

# a watched folder system



**a server based system**

# a server based system



# the implementation

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- collection of Ruby modules, classes and applications



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- basic and user or project specific **environments**

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- collection of Ruby modules, classes and applications
- basic and user or project specific **environments**
- job specific **scripts**, requests and replies
- an additional client-server application for remote services and file transfer

**a few more examples**

# a few more examples

- math ml

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- math ml

- school math

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- converting ps into pdf

# a few more examples

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- page imposition



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- netbook pascal

**installation**

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- consult manuals, like [ex-gui](#) and [mptopdf](#)