

# **Institutional Repository In A Box**

Designing a Generic Institutional Repository Based on Fedora

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## What We Have - Overview

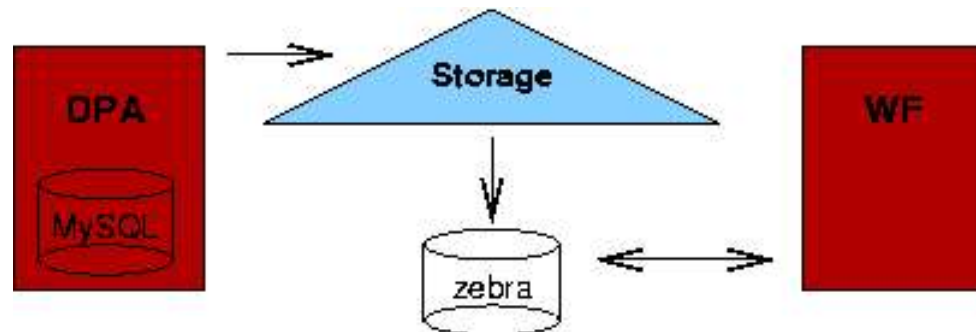
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- Institutional Database reflecting the scholarly production of DTU
- In production: Metadata production: 2++ years; Web Front: 6 months
- Local (highly improved and specialised) version of National Research Database (in production 5++ years)
- Both developed and operated by CVT

## What We Have - Technically

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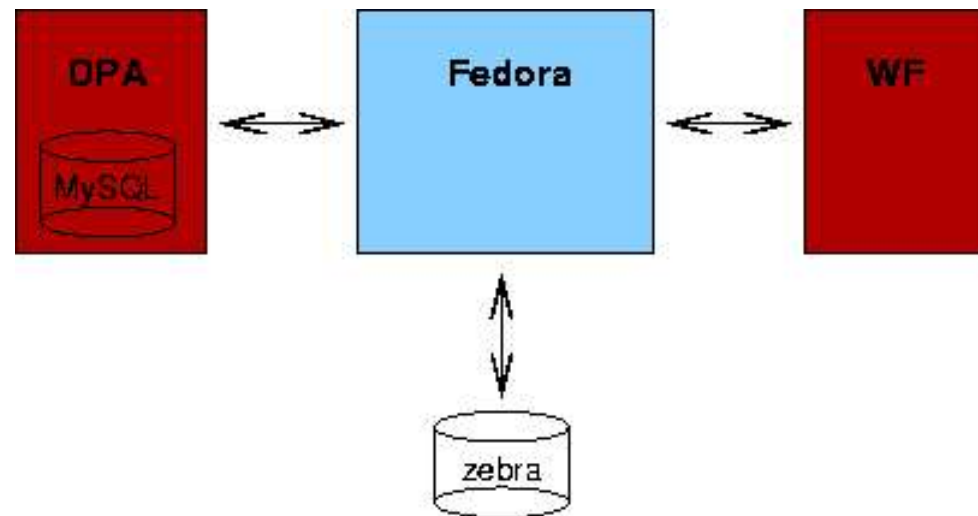
- Data Production Application (http; perl; mysql; multiuser; multirole; workflow; customizable formdesign; integrated with campus authentication service). Application Name: MetaToo
- Storage (filesystem; xml)
- Indexer (zebra)
- Web Front (http; java/tapestry; sru/srw)



# What We Want

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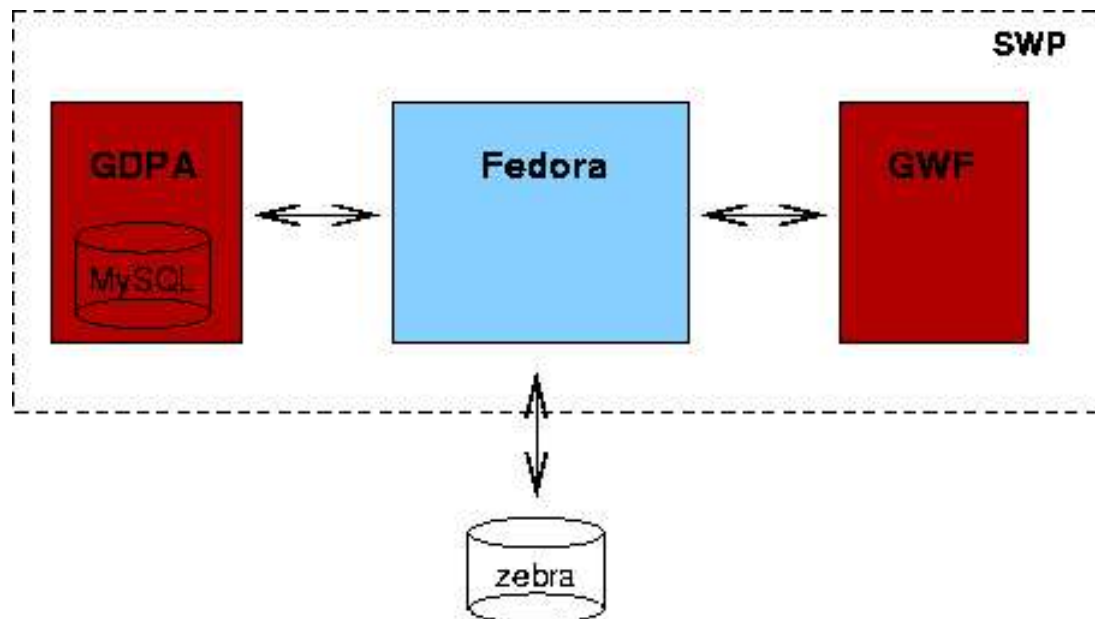
- Data Production Application (enhanced with fedora API-M capabilities)
- Fedora (equiped with zebra)
- Web Front (redesigned to interface with fedora)



# Initial Steps

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- Generalised Data Production Application (metadata in a locally extensible format based on a standard – MXD)
- Fedora (equipped with zebra – or not)
- Generalised Web Front (an example – preferably customizable)
- Software Packaged for easy installation and further customization



## CVT Project Fedora2 (IR-in-a-box)

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- Funded partly by DEFF (Project: DEFXWS), partly by CVT
- Following up on CVT's 2004 Fedora project (DEFXWSEprints; ZebraForFedora)
- Establishment of version 1 of the Software Package
- Goal: Adapting proven DPA to work with Fedora, paving the way for the introduction of Fedora to mission critical repositories.
- Derivative: Contributing an external DPA well suited for Institutional Repository metadata to the Fedora community
- Longterm Hope: CVT Followup Project Fedora $N+1$  provide SWP version  $N$  which is sufficiently customisable for DTU's Institutional Repository to be nothing but a customized installation. Liberal Estimate:  $N > 5$ .

## Estimated Timeline And More Info

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- Q4 2005: Analysis, initial redesign of DPA, prototyping of packaging
- Q1 2006: Integration of DPA and Fedora, initial redesign of WF
- Q2 2006: SWP ver 1 RC1, ... SWP ver 1 RCn. SWP ver 1.

<http://defxws.cvt.dk/fedora2/bla/bla/>

Thank You