

# XZES40-Transformer

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# Program Purpose and Goals



Figure: Source: Wikimedia Commons [2]



Figure: Source: Apache Software Foundation [1]

# Project Purpose

The purpose of the XZES40-Transformer is:

- ▶ Transform XML and XSLT documents into a new XML document.
- ▶ The XZES40-transformer can transform multiple documents in parallel.
- ▶ Processed style sheets are cached for quick recompilation.
- ▶ Accessible over the Internet via a website.
- ▶ Accepts custom per-transform parameters.

# Project Status

The project status of the XZES40-Transformer is:

- ▶ We have finished our project.
- ▶ Prepare for the EXPO.

# Remaining Tasks

- ▶ Everyone: Improving the documentation.
- ▶ (Maybe) add more tests to the code.
- ▶ Create an installation package.

# Problems Encountered

We have following problem so far:

- ▶ Web interface was problematic; developed quickly with very little planning.
- ▶ Late development refactoring introduced small bugs.
- ▶ Imbalanced workload.

# Demo

## Features:

- ▶ Document transformation.
- ▶ Parallel transformation.
- ▶ Cached compilations.
- ▶ Web interface.

# Reference



*ASF Press Kit: Apache Software Foundation Logo.* URL:  
<https://www.apache.org/foundation/press/kit/>.



*Wikimedia Commons: Oregon State University Logo.* URL:  
[https://commons.wikimedia.org/wiki/File:Oregon\\_State\\_U](https://commons.wikimedia.org/wiki/File:Oregon_State_U)