

Installation Test Presentation

File Factory Pipeline Verification

LibreOffice Integration

LibreOffice 25.8.4.2 provides powerful document conversion capabilities for the File Factory pipeline.

- Converts PPTX presentations to PDF format
- Headless operation for automated workflows
- High-fidelity rendering preservation
- Cross-platform compatibility

Poppler PDF Processing

Poppler 25.07.0 converts PDF documents to high-quality images for thumbnail generation.

- Converts PDF pages to JPEG images via pdftoppm
- Configurable resolution (DPI) settings
- Batch processing multiple pages
- Efficient memory usage for large documents

Pillow Image Processing

Pillow 12.1.0 handles image manipulation and creates thumbnail grids from individual slide images.

- Combines multiple images into grid layouts
- Resizes and crops images efficiently
- Supports various image formats
- Creates visually appealing thumbnail previews

Success!

The complete pipeline is now functional. LibreOffice, Poppler, and Pillow work together seamlessly to generate presentation thumbnails.