

Set up ltx-talk to work with newest Org-mode main

Roger Schürch

July 14, 2026

Pull in newest main branch of Org-mode

The ltx-talk export functionality is only available from the latest main branch as of this writing. You can obtain a read-only copy via git:

```
git clone https://git.savannah.nongnu.org/git/org-mode.git
```

Changes to the init file

Add load path to Org-mode repository

To use the ltx-talk export functionality, add the newest Org-mode repo to your load path. I just stuck mine in Downloads and added this to my `init.el`:

```
(add-to-list 'load-path "~/Downloads/org-mode/lisp/")
```

Set the $\text{\LaTeX}$ compiler

On top of other modifications in your `init.el` file, you want to set the $\text{\LaTeX}$ compiler to use Lua $\text{\LaTeX}$:

```
(setq org-latex-compiler "lualatex")
```

Changes to the init file (cont.)

Configure the $\text{\LaTeX}$ class use

And you will want to configure ox-beamer to know about the ltx-talk class:

```
(use-package ox-beamer
  :ensure nil
  :after org
  :config
  (add-to-list 'org-latex-classes '("ltx-talk" "

\\documentclass{ltx-talk}\\n"
                                ("\\section{%s}" .
                                 "\\section*{%s}")))))
```

Basic Org Document Setup

Set the class and basic options

```
#+STARTUP: beamer  
#+OPTIONS: toc:nil title:t H:2  
#+LATEX_CLASS: ltx-talk
```

Set up tagging meta data

```
#+LATEX_DOC_METADATA: lang=en,  
#+LATEX_DOC_METADATA: pdfstandard=ua-2,  
#+LATEX_DOC_METADATA: pdfstandard=a-4f,  
#+LATEX_DOC_METADATA: pdfversion=2.0,  
#+LATEX_DOC_METADATA: tagging=on
```

Additional Tagging Settings

Proper labelling of tables

We can define the first row of tables to be take as the header rows like so:

```
#+LATEX_CLASS_PRE: \tagpdfsetup{table/header-rows={1},role/new-tag=frametitle/H2}
```

I don't think the frametitle works yet fully; we might have to check in with the maintainer of ltx-talk.

Proper labelling of math

```
#+LATEX_CLASS_PRE: \tagpdfsetup{math/alt/use}
```

Other options I have seen suggested are `and` , but the one above was the only one that gave me a compliant document in Canvas.

Compliance With Canvas Accessibility

The Canvas accessibility checker does not recognize:

1. the title of the document
2. the language of the document
3. the frame (slide) headings

The first two items are easily fixed in Cavnas, the latter might need discussions with the maintainer of ltx-talk.