

THE TAGBRIDGE PACKAGE

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Tagging-compatibility hooks for third-party packages without native PDF/UA support

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<https://github.com/werner-matthias/osglecture>

`TAGBRIDGE` collects in one place what individual third-party packages need in order to produce cleanly tagged rather than broken or anonymous PDF output under `\DocumentMetadata{tagging=on}`. Each hook only fires while `tagpdf` is active (tested via `\tagstructbegin`) and stays inert otherwise. Currently included: a hook for `qrcode` (which draws its modules individually via `\rules` and, left alone, produces hundreds of tagging warnings per code) and loading `latex-lab-testphase-tikz` (which gives `tikzpicture` the `alt/artifact` keys that `pgf/tikz` itself only reserves but never evaluates).

The package is meant as a stopgap: once the `LaTeX-Project` itself – via `latex-lab` or its successor – ships native support for a package handled here, the corresponding hook becomes redundant and can be removed. Importing PDFs via `pdfpages` is deliberately out of scope here; `tagpax` already covers that.

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1 Purpose

The package is usually not loaded directly but pulled in as a dependency by a document class or another package (for example `osglecture`). It has no package options and no public commands – every hook fires automatically once the respective third-party package (`qrcode`, `tikz`) loads, and only while `tagpdf` tagging is active.

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2 Implementation

The `qrcode` options `tag` (default `Figure`) and `alt` (default: language-dependent text carrying the encoded content) can be set per call or via `\qrset` as usual; `tag=artifact` marks the code as a purely decorative artifact.

2 Implementation

To view the implementation description, please uncomment `\OnlyDescription` in `tagbridge.dtx`.

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