

title

CIAS

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	• Version of described solution:	

## 1 About

`pandoc` [gro23] is to be installed on your development machines using the related `ansible` [Red23] `*playbooks*`.

The above text was created using

```
\texttt{pandoc}~\cite{pandoc_homepage} is to be installed on
your development machines using the related
\texttt{ansible}~\cite{ansible_homepage} *playbooks*.
```

Please look at the example to learn more about  $\LaTeX$  commands. Here, some fancy math:

This is a simple math expression with numbering

$$\sqrt{x^2 + 1} \tag{1}$$

separated from text. We can refer to it using the label `eq0` which we defined using the `\label{eq0}` statement (this is equation 1 and the page 1). The same kind of labeling can be used for sections, subsection,..., tables, images.

## 2 License

....

## A Special Characters

äöüß can be typed as `äöüß`.

## B Creation of PDF documentation

The documentation can be created in a few steps:

1. `latex latexSkeleton`
2. `biber latexSkeleton`
3. `xelatex latexSeketon`
4. `xelatex latexSeketon`

The first `latex` call tries to create a dvi file and additionally creates a `.aux` file which is used by `biber` to extract the required citations from the `latexSkeleton.bib` file.

The `biber` command reads the `.aux` file and creates a `.bbl` file with the extracted bibliographic references.

The last steps compile the `LATEX` document again. As we are interested in PDF output and want to have support for UTF-8 character encoding we used `xelatex` here. Alternatively, we could have used the `latex` command — until no comments tell us to rerun it again — and then we would have used `dvipdf` to convert the dvi into a PDF file.

## References

- [gro23] Pandoc user group. *Pandoc a universal document converter*. 2023.
- [Red23] Redhat. *Ansible Documentation*. 2023.