

Documentation Organization Plan

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Document Structure Guidelines

Common Front Matter Components

Each manual will have the following structure with separate files:

- book-info.adoc (ISBN, copyright, publication info)
- title-page.adoc
- abstract.adoc
- foreword.adoc
- contents.adoc
- preface.adoc

Directory Structure

```
hardware-manual/  
├── front-matter/  
│   ├── book-info.adoc  
│   ├── title-page.adoc  
│   ├── abstract.adoc  
│   ├── foreword.adoc  
│   ├── contents.adoc  
│   └── preface.adoc  
├── parts/  
│   ├── part1-architecture/  
│   │   ├── chapter1-intro.adoc  
│   │   ├── chapter2-overview.adoc  
│   │   └── chapter3-design.adoc  
│   ├── part2-components/  
│   └── part3-video/  
└── back-matter/
```

```

├── appendices.adoc
├── glossary.adoc
├── index.adoc
└── hardware-manual.adoc (main include file)

software-manual/
├── front-matter/
│   ├── book-info.adoc
│   ├── title-page.adoc
│   ├── abstract.adoc
│   ├── foreword.adoc
│   ├── contents.adoc
│   └── preface.adoc
├── parts/
│   ├── part1-getting-started/
│   ├── part2-fundamentals/
│   ├── part3-architecture/
│   ├── part4-runtime/
│   ├── part5-development/
│   └── part6-reference/
├── back-matter/
│   ├── appendices.adoc
│   ├── glossary.adoc
│   └── index.adoc
└── software-manual.adoc (main include file)

```

Main Document Structure

hardware-manual.adoc

```

= Aves Hardware Reference Manual
:doctype: book
:toc:
:sectnums:

Unresolved directive in <stdin> - include::front-matter/book-info.adoc[]
Unresolved directive in <stdin> - include::front-matter/title-page.adoc[]
Unresolved directive in <stdin> - include::front-matter/abstract.adoc[]
Unresolved directive in <stdin> - include::front-matter/foreword.adoc[]
Unresolved directive in <stdin> - include::front-matter/contents.adoc[]
Unresolved directive in <stdin> - include::front-matter/preface.adoc[]

Unresolved directive in <stdin> - include::parts/part1-architecture/*.adoc[]
Unresolved directive in <stdin> - include::parts/part2-components/*.adoc[]
Unresolved directive in <stdin> - include::parts/part3-video/*.adoc[]
Unresolved directive in <stdin> - include::parts/part4-pld/*.adoc[]

Unresolved directive in <stdin> - include::back-matter/appendices.adoc[]
Unresolved directive in <stdin> - include::back-matter/glossary.adoc[]

```

Build Configuration

Makefile targets for different outputs:

```
pdf-full: Generate complete PDF with all sections
pdf-front: Generate front matter only (for review)
pdf-body: Generate main content without front/back matter
pdf-parts: Generate individual part PDFs
html: Generate HTML version
```

Implementation Notes

1. Front Matter

- Each component in separate file for independent review/printing
- Consistent styling across both manuals
- Version control friendly

2. Main Content

- Organized by parts and chapters
- Cross-references use document IDs
- Images in separate directories
- Code listings as separate files

3. Build System

- Makefile targets for different outputs
- PDF generation with proper page numbering
- HTML with navigation
- Index generation
- Cross-reference validation

4. Version Control

- Each part can be worked on independently
- Clear separation of content and structure
- Easy to track changes in specific sections

5. Quality Control

- Separate build targets for reviewing sections
- Validation of cross-references
- Style guide compliance checking

- Technical review process