

Collabio Office: Cloud Based Office Suite

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Collabio Office Apps

- Text editor
- Spreadsheet editor
- Presentation viewer
- Mail/Calendar/Contacts
- Cloud Storage
- + A lot of ideas

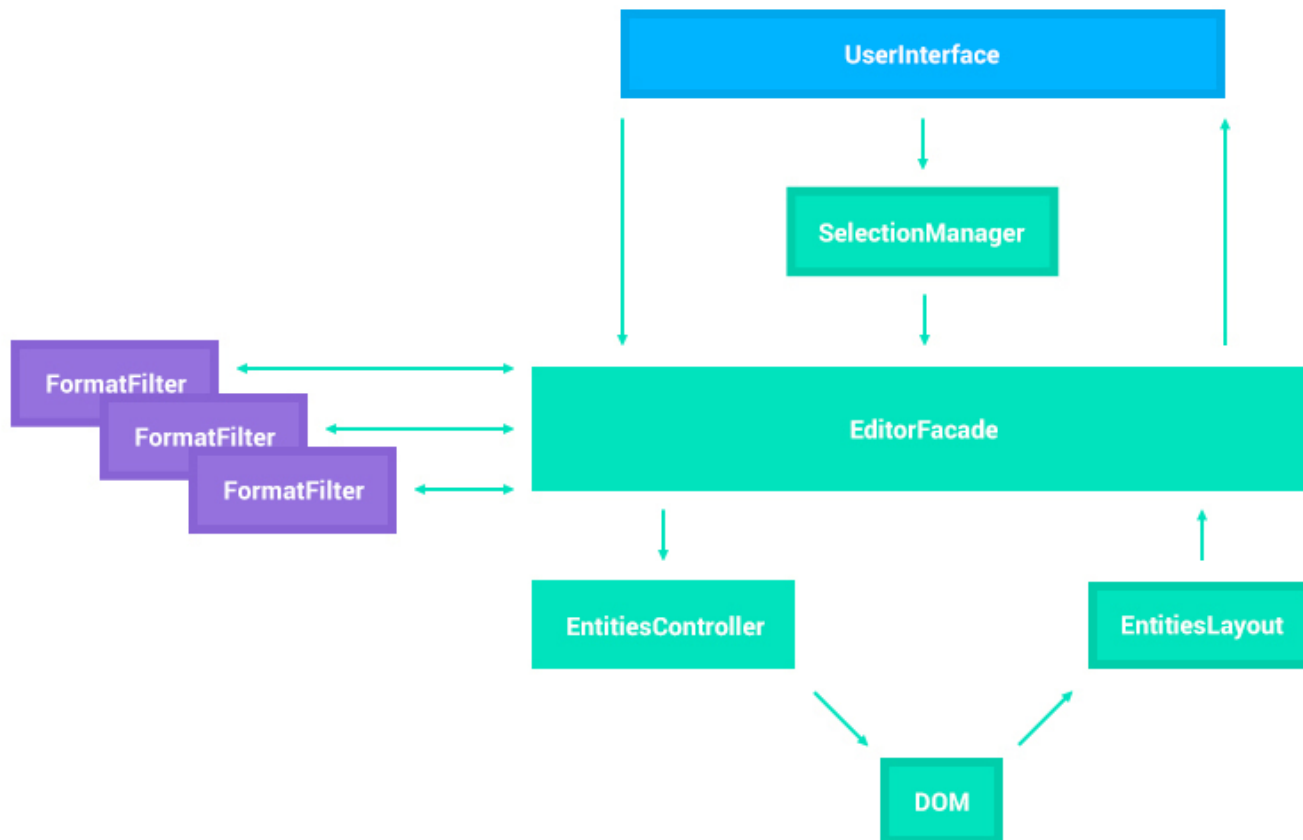
Supported Platforms

- Desktop (Windows, Linux, macOS)
- Mobile (iOS, Android, Tizen)
- Any modern browser

Multiplatform Core

- We started with `int main()`
- Collabio Office core functionality is implemented in C++
- Building and testing on all supported platforms
- Documents look the same on all platforms

Editor Internals



Collaborative Office

- Server-based collaboration
- Real-time collaboration
- Collaboration with Operation Transformation

Component's Reuse

- Single implementation for paragraphs, tables, styles, everything (inspired by ODF)
- Single implementation – uncommon use-cases
 - Formulas/cell formatting/sorting in tables in text document
 - Any markup in cells
 - View document from different perspectives

ODF in Collabio Office

- ODF is simple
- ODF is easy to extend
- Currently we use:
 - Rich text formatting
 - Headers/footers and page properties
 - Track changes
 - Formulas
 - Cell formatting
 - Filtering/sorting
 - Charts
 - Shapes

Problems

- Collaboration related information
- Interoperability between ODF and OOXML
- Missing good reference
- Missing features
- Tools

Collabio ODF Extensions

- Themes
- Paragraph marks
- Track Changes
- Cell Formatting

Anticipated ODF Standardization

- Track Changes
- Themes
- We want ODF to be a superset of OOXML