

SOFA 2 Documentation

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1. Overview

SOFA 2 is a component system with a hierarchical component model. It offers advanced features such as

- dynamic architectures,
- support for multiple communication styles,
- composition and behavior verification,
- component aspects,
- clearly separated business and control parts of components with the possibility of easy extension (using the aspects),
- support for component evolution and versioning,
- ...

For more information about the component model please see the [papers](#).

Cushion is the command-line tool for developing SOFA 2 componets.

2. Documentation

SOFA 2 component system is described in the following guides:

Users guide

It provides descriptions of SOFA 2 concepts from the users point of view. It describes runtime concepts, development methodology as well as tool support including Cushion, SOFA IDE and MConsole.

Programmers guide

This documentation provides detailed information about implementation of runtime infrastructure and tools. It is the starting point for the SOFA 2 developers who want to extend SOFA 2.

3. Other documentation and howtos

- [Component lifecycle](#)
- [Runtime architecture](#)
- [Usage of SOFA 2](#)
- [Cushion](#)
- [How to develop SOFA 2 application in several steps](#)
- [Building and developing SOFA 2](#)
- [SOFA 2 Management Console](#)