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# The Orocos Component Library

*Open RObot COntrol Software*

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## Abstract

This document gives a short overview of the Orocos Component Library [<http://www.orocos.org/ocl>], a collection of useful components for running and managing control applications.

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## 1. What is the Orocos Component Library?

This library contains user contributed software components of the *Open Robot Control Software* [<http://www.orocos.org>] project.

## 2. Component Documentation

Each component or group of associated components has a manual of its own and are available in the API documentation. The following documents are available:

- Component API Reference [[../api/html/index.html](http://api/html/index.html)]: Overview of the functions of all components.
- TaskBrowser Component Manual [[orocos-taskbrowser.html](http://orocos-taskbrowser.html)]: the interactive console for communicating with any kind of component.
- Reporting Component Manual [[orocos-reporting.html](http://orocos-reporting.html)]: a component which can read most component data ports and save data periodically into a file.
- Deployment Component Manual [[orocos-deployment.html](http://orocos-deployment.html)]: a component which can be used to load and configure components in the same process.
- Lua RTT Manual: [[rttlua.html](http://rttlua.html)] Use Lua to script deployments, components and services.