

# Hardware

# OpenRTM

# ROS

**openhrop3 ros package**

ModelLoader

hrpsys\_config.py

**hrpsys + hrpsys-base ros package**

hrpsys(rtc)

SequencePlayer

StateHolder

ForwardKinematics

CollisionDetector

SoftErrorLimiter

DataLogger

libhrplo.so RobotHardware

**hrpsys\_ros\_bridge ros package**

HrpsysJointTrajectoryBridge

HrpsysSeqStateROSBridge

SequencePlayerServiceROSBridge

StateHolderServiceROSBridge

FowardKinematicsServiceROSBridge

CollisionDetectorServiceROSBridge

SoftErrorLimiterServiceROSBridge

DataLoggerServiceROSBridge

RobotHardwareServiceROSBridge

**ROS node**

rviz

roseus

MoveIt!

Hardware I/F

Simulator Gazebo

RTC

script

DataPort / ServicePort

Topic / Service

Component setting

Model Info

