

**Application  
Layer**

**ROS1**

Master

Application

Node

Node

Application

Node

Node

Node

**Middleware  
Layer**

Client Library

TCPROS/UDPROS

Nodelet  
API

**ROS2**

Client Library

Abstract DDS Layer

DDS

Intra-process  
API

**OS  
Layer**

Linux

Linux/Windows/Mac/RTOS

