

RMDMIA Client Configuration for [ROS](#) Turtlesim Tutorial:

How to configure [ROS](#) Turtlesim Client Controller in the Happy Artist RMDMIA:

### System Requirements:

- [ROS](#)
- [ROS Turtlesim](#) (Configuration instructions)
- Java 1.6 or greater
- [RMDMIA vpr1\\_v7 slipstream or greater](#)

### Prerequisites:

- None

### Overview:

This tutorial demonstrates how to launch [ROS](#), [ROS](#) Turtlesim, Happy Artist RMDMIA Framework with [ROS](#) RCSM Plugin & ROCI Configuration Tool for [ROS](#) Client, and describes steps to follow for client controller configuration of the [ROS](#) Turtlesim.

Step 1: In Ubuntu Linux launch 3 terminal windows.

In terminal window 1 type “roscore” to start [ROS](#) .

In terminal window 2 type “roslaunch turtlesim turtlesim\_node” to start turtlesim.

In terminal window 3 goto the rmdmia install directory, and type ./run.sh to launch the RMDMIA, and the [ROS](#) Configuration GUI Tool.

Step 2:

RMDMIA - [ROS](#) Configuration Manager Preview 1 HowTo

1. Ensure the [ROS](#) Master URL is set to the correct address.
2. Remember to Save frequently as changes are made via the File -> Save menu item.
3. Open a terminal.
4. From the Tools menu, Generate the Service Types script, then call chmod to implement execute permission on the generated script file.
5. Execute the script.
6. Import the Service Types Data file (auto generated rossvctypes.properties file).
7. Save.
8. From the Tools menu, Generate the MD5 script, then call chmod to implement execute permission on the generated script file.
9. Execute the script.
10. Import the MD5 Data file (an auto generated rosmd5.properties file).
11. On each topic find the Connect\_on\_startup column, and ensure each select on startup

topic is selected.

12. Save

13. Exit

14. On restart the all the topics , and services will be configured.

Known Issues: This is a development preview, and some features may be in development, lack documentation, and contain bugs.

If you have any technical questions please visit the support web page, and forums. We appreciate your input, and we will do our best to help you help you.

Expect regular slipstream releases on the [happyartist.net](http://happyartist.net) website.