Ruming ROS across maltiple machine

-> 9t explains the use of ROS_MASTER -URI to configure multiple machine to use a single moster.

* Overview

- => ROS is designed with distributed =
- A well-worthern mode makes no assumptions about where in the network it suns, allowing computation to be sielocated at owntime to match the available siesownces.

Fiere of handware.

- => Deploying a ROS system caross multiple machines:
 - · You only need one master. Select one makine to own it
 - · All nodes must be configured to use the same moster, Via ROS-MASTER_URI.

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- · There must be complex, bi-directional Connactivity between all pairs of mechine, on all posts.
- · Each machine must adventise itself by a name that all other machino Can presolve.

In encopbers papi

SSh adityushincustavass@coffee_bot expost ROS_MASTER_URI = http:// coffeebot: 11311

=== onum ong mode ===

an Laptor.

SSh aditya @ laptoP export ROS_MASTER_URI = LittP://coffaebot:1131)

== one any mode on subscribe === to any topic that is horted by Coffeebot.

ROS/Netwoorksetup

27 ROS has contain oreacionments of the network configuration:

Connectivity between all pairs of machine, on all parts.

-> Each machine must advertise itself by a name that all other mailine can orasolve.

=> In the following sactions, we'll allowed that you want to own a ROS system on two machines, with the following nostnames and IP address.

- · manvin. example. com: 182.168.1.1
- · hal · example · com: 192.168.1.2

* Name onesolution

=> When a ROS mode adventise a topic it porovides a hostname: poont Combination (a URI) and other mode will contact when they want to Subscribe to that topic.

URI => A Uniform oresource adontifien is a Storing of characters that unambiguously identifies a particular oresource.

is the Uniform Resource Locator (URL)

