Stage 3 of 4

Stage 3 of 4: Installing Distributed Computing Toolbox 3.1 on UNIX

Now that your cluster is ready to be used, you have to install Distributed Computing Toolbox on the computer you will use to write MATLAB applications. This is called the *client* system. These instructions assume that each client node already has an existing MATLAB R2007a installation.

This figure shows the installations that you must perform on client nodes.



Product Installations on Client Node

Step 1: Update the License File on the Client Node

To update the License File with the passcodes you received in your license e-mail, follow these instructions.

Note In these instructions, *matlabroot* refers to the directory where MATLAB is installed on the client computer, not to be confused with the MDCE cluster computers.

1 Stop the license manager. Open a terminal window and use the following command from the *matlabroot*/etc directory.

./lmdown

2 Find the e-mail you got from your sales representative with the subject "Your MathWorks Software Purchase (or Trial)". This e-mail contains the license information you need to install Distributed Computing Toolbox.

- 3 Open the License File (license.dat) located in the matlabroot/etc directory using a text editing application (vi, emacs, etc).
- **4** In the e-mail message, select all the licensing information from the BEGIN line to the END line, inclusive, and append this information to the end of the License File. The licensing information is one or more INCREMENT lines that look similar to:

INCREMENT MATLAB_Distrib_Comp_Engine MLM 17 01-dec-2000 8 \
BD530123654ECED9D04A SN=DEM0

Make to copy all the information between the BEGIN and END lines, including the comment lines.

- 5 Save and close the License File.
- 6 Restart the license manager using the following command from the *matlabroot*/etc directory.

./lmstart

Step 2: Download the Latest Version of Distributed Computing Toolbox

If you already have R2007a MATLAB installed on your client computer, you can download the latest version of Distributed Computing Toolbox from the MathWorks Web site and install it on every client node.

Note The following instructions describe how to download the toolbox from the MathWorks Web site. Alternatively, you can install Distributed Computing Toolbox from the R2007a installation DVD. For instructions on installing a toolbox from the DVD, see the installation documentation that came with the DVD, or online at

http://www.mathworks.com/access/helpdesk/help/base/install/install.html.

- **1** Download the product to a location accessible to all client nodes. You can download the product once and install it multiple times.
 - If you are a trial user you have received a link to a location where you can download the product.

- If you are a licensed user, go to the MathWorks Web site, www.mathworks.com/web_downloads/, and download the product from your account.
- **2** Follow the online instructions for extracting files from the tar file and preparing the installer.

Step 3: Run the Installer

After downloading and extracting the files, follow these instructions to install Distributed Computing Toolbox on a client node.

1 Run the installer from the temporary download directory. The installer displays the following welcome screen. Click **OK** to start the installation.



2 Review the license agreement. If you accept the terms of the agreement, click **Yes** to proceed with the installation.

ו	License Agreement	×
	Do you accept the terms of the license agreement? f these terms are agreeable to you, please indicate so by clicking the Yes button below. nstallation will not continue if you do not click the Yes button.	
	The MathWorks, Inc. Software License	
	IMPORTANT NOTICE THE LICENSE AGREEMENT TOGETHER WITH ANY APPLICABLE ADDENDUM REPRESENT THE ENTIRE AGREEMENT BETWEEN YOU (THE "LICENSEE") AND THE MATHWORKS, INC. ("MATHWORKS") CONCERNING THE PROGRAM(S) AND DOCUMENTATION DELIVERED HEREUNDER.	
	The MathWorks, Inc. Software License Agreement	
	Yes No Print	

3 Verify the name of the installation directory in the **MATLAB Root Directory** dialog box and then click **OK**. This should be the name of your existing MATLAB installation directory.

П м	ATLAB Root Director	y _ X
MATLAB root direct	ory location:	
/usr/local/matlab74	ł	
ОК	Cancel	Help

Installing DCT 3.1

4 Verify your License File in the License File dialog box and click OK. This is the license.dat file you placed in the *matlabroot* directory.



5 Select the platforms and the products that you want to install in the **Installation Options** dialog box and then click **OK**.

In the **Items to install** list, select only Distributed Computing Toolbox. Move all other products into the **Items not to install** pane.

Installation Options							
Platforms:	Items to install:	Items not to install:					
🗏 Linux (x86)	Distributed Computing Toolbox	MATLAB Distributed Computing Engine					
□ Linux (x86_64)		Simulink					
🔟 Mac		Aerospace Blockset					
☐ Mac OS X (Intel)		Bioinformatics Toolbox					
□ Solaris 64		Communications Blockset Communications Toolbox					
		Control System Toolbox					
		Extended Symbolic Math Toolbox					
		Filter Design HDL Coder					
		Financial Derivatives Toolbox					
		Financial Toolbox Fixed-Income Toolbox					
	l d	Fixed-Point Toolbox					
	Remove >	< Add					
Total Installation Size: 17300 kbytes							
	OK Cancel	Help					

6 The installer displays the **Begin Installation** dialog box. Click **OK** to begin the installation.

	Begin Installation	_ × _			
Begin installation?					
ок	Cancel	Help			

For help, contact the MathWorks install support team at 508-647-7000 or http://www.mathworks.com/support/contact_us/.

7 When the installation is complete, the installer displays the setup complete dialog box. Click **Exit** to finish the installation.

Installation Co	nplete 🗙	
The MATLAB installer prog	m is finished.	
Note: Before you can use MATLAB, you must start the license manager. For information about starting the license manager and editing your system boot scripts to start the license manager automatically, see the Installation Guide for UNIX.		

Step 4: Start MATLAB on the Client System

To start MATLAB, navigate to the *matlabroot*/bin directory and execute the following command:

./matlab

Note To start MATLAB, you must be logged in as the user account that has permission to use the installation.

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