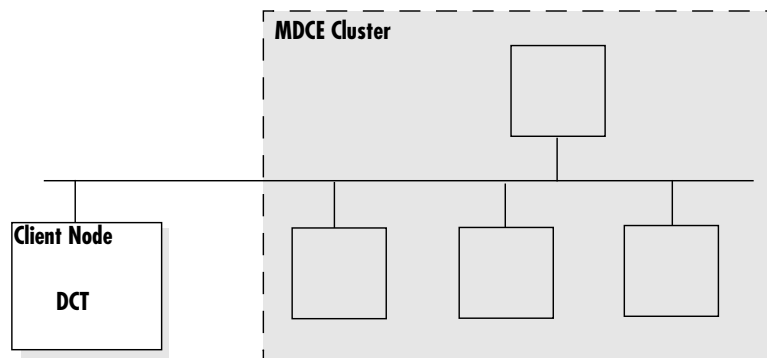## Stage 3 of 4: Installing Distributed Computing Toolbox 3.1 on Windows

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* node. 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 Nodes

Step 1: 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
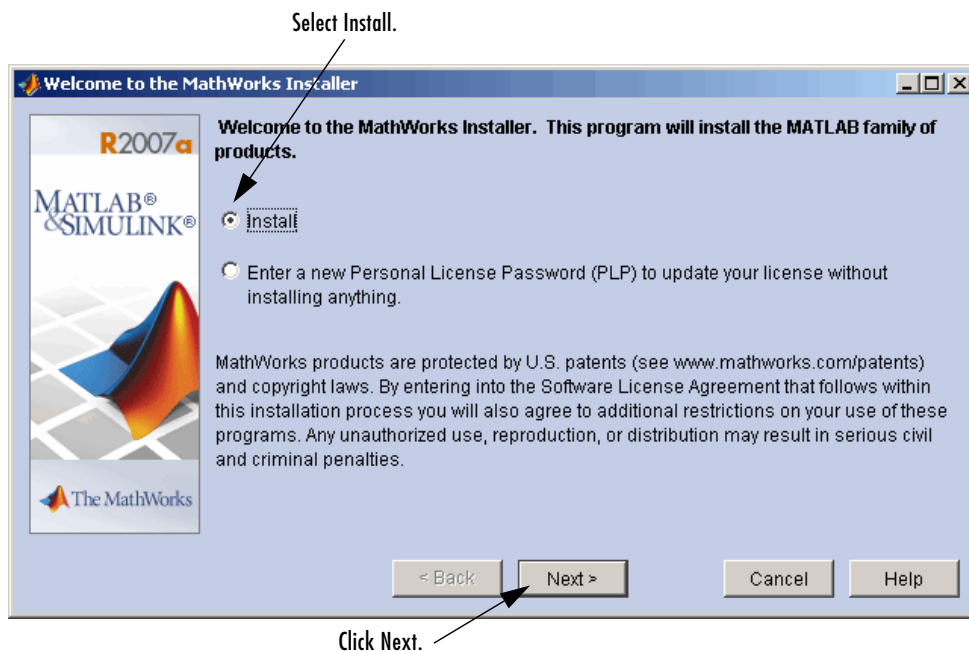`http://www.mathworks.com/access/helpdesk/help/base/install/install.html`.

---

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 downloading and preparing the installer.

Step 2: Run the Installer

After downloading and extracting the files, follow these instructions to install Distributed Computing Toolbox on a client node.
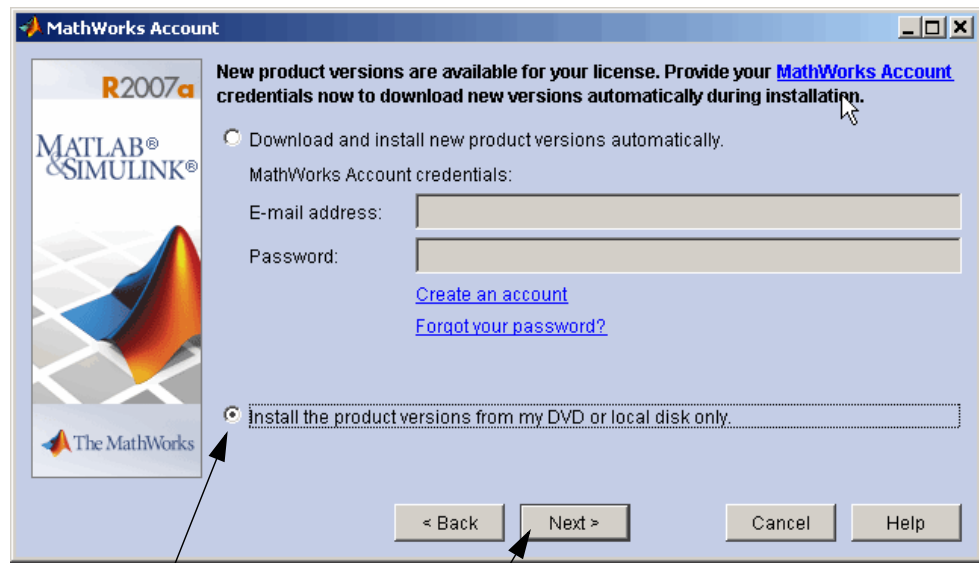
1 Start the Installer. In the welcome dialog box, select the **Install** option and click **Next**.

Select Install.

Click Next.

2 Enter your Name, Company, and the Personal License Password (PLP) sent to you in your license e-mail for Distributed Computing Toolbox and click **Next**.

Note Make sure to use the PLP for Distributed Computing Toolbox. The MDCE license e-mail contains multiple PLPs. If you are adding Distributed Computing Toolbox to an existing MATLAB installation, use the updated PLP that includes Distributed Computing Toolbox.

Enter name, company name, and PLP.

Click Next.

3 After you enter your PLP, the installer contacts The MathWorks to see if newer versions of the products identified in your PLP are available for download. If it finds that newer versions are available, the installer displays the MathWorks Account dialog box.
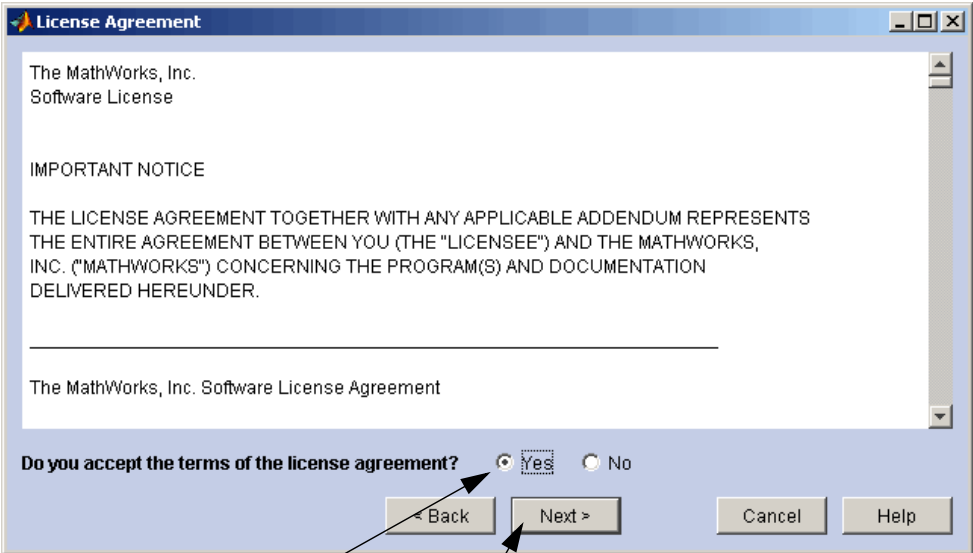
For this installation, you should install from the DVD, so select the **Install the product versions from my DVD...** option. (You can run the installer again later if you are interested in updated versions from the Web.)
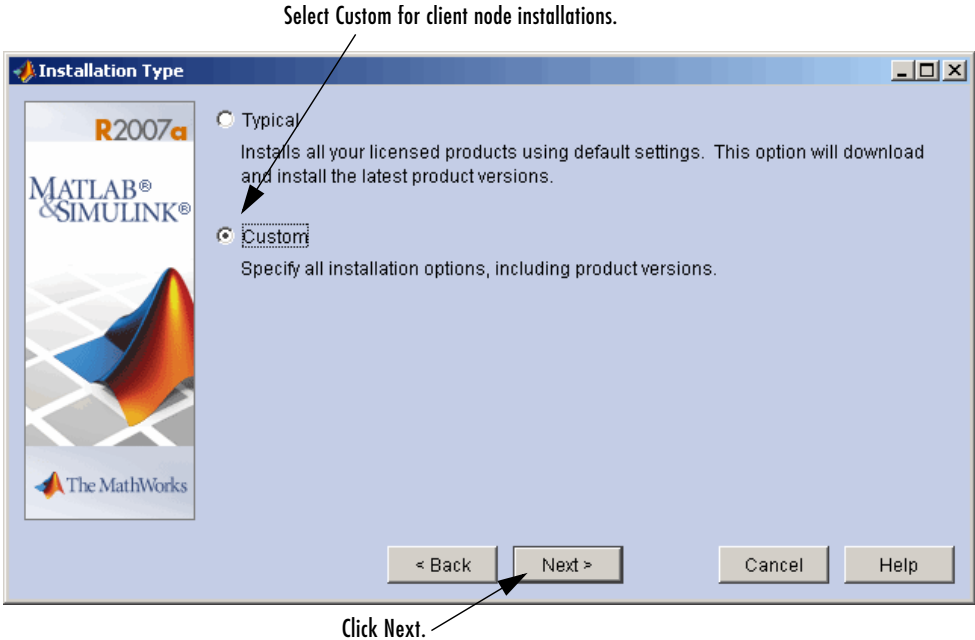

Select install from DVDs.   Click Next.

4 Review the license agreement and select the **Yes** box and click **Next** to continue.
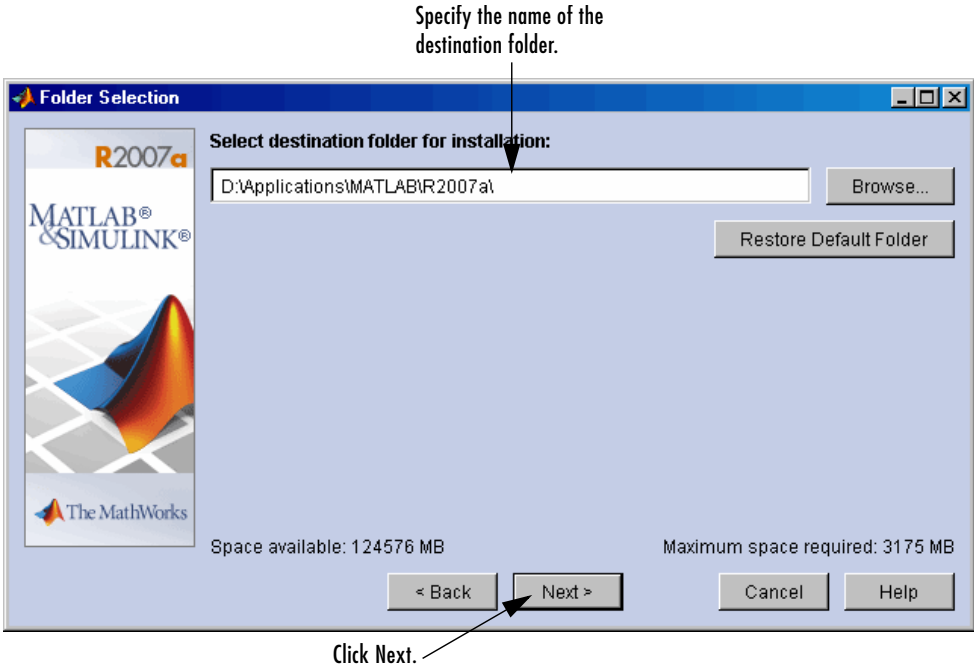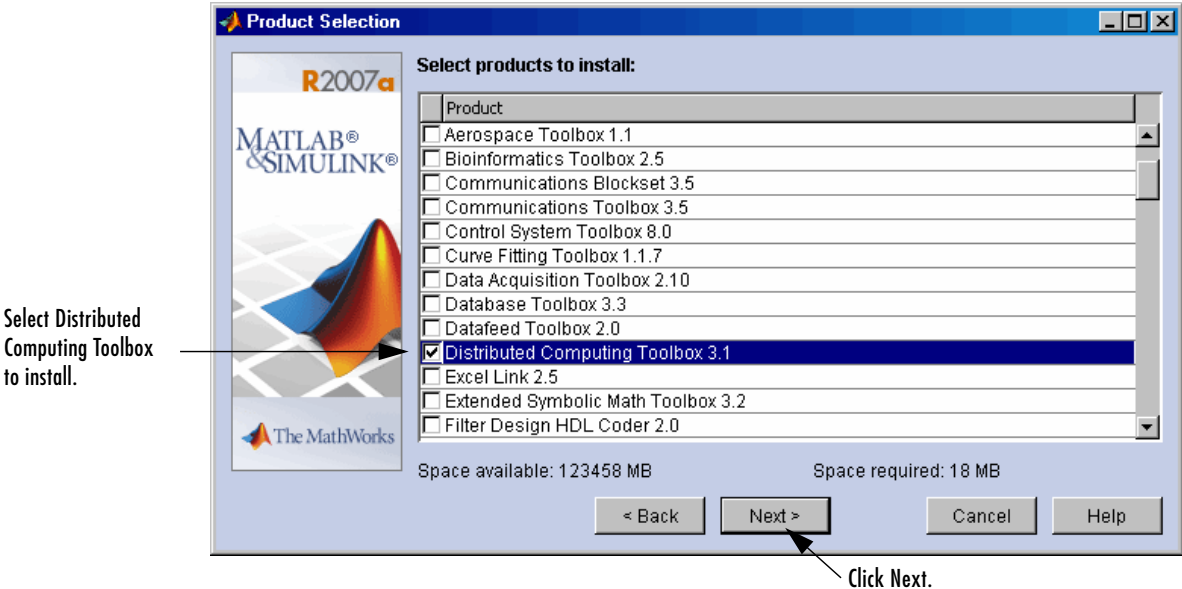

Select Yes.   Click Next.

5 Select a Custom installation and click **Next**.

Select Custom for client node installations.

Click Next.

6 Specify the name of the installation folder in which you want to install Distributed Computing Toolbox in the **Folder Selection** dialog box.
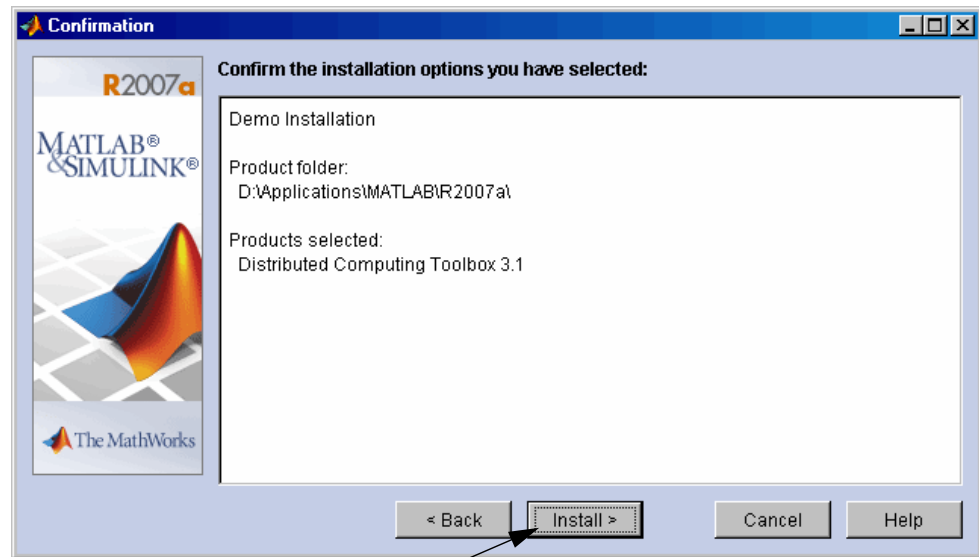
Specify the name of the
destination folder.

Click Next.

7 In the **Product Selection** dialog box, select Distributed Computing Toolbox for installation.

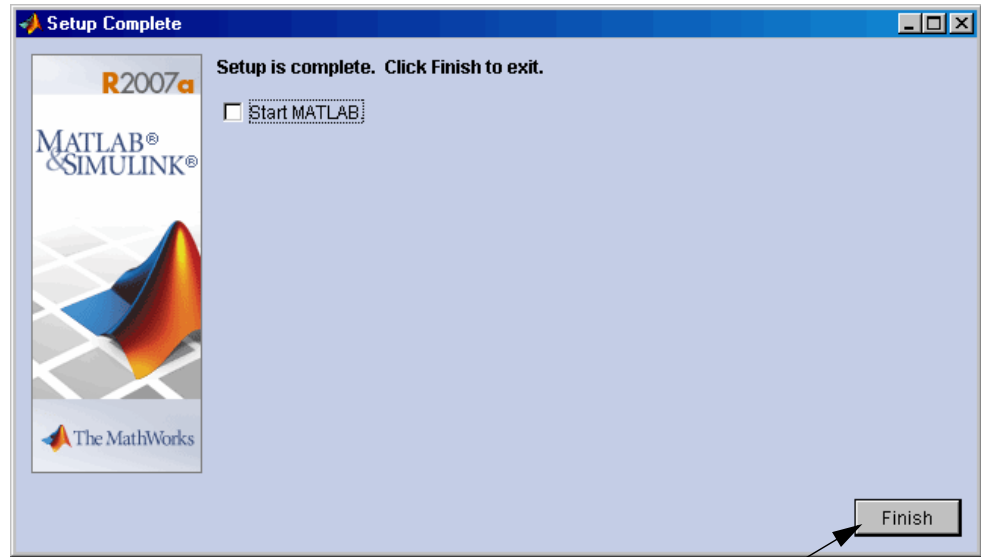Select Distributed Computing Toolbox to install.

Click Next.

8 Review your installation choices. To change a setting, click the **Back** button. To proceed with the installation, click **Install**.

Click Install.

As it copies files to your hard drive, the installer displays a status dialog box to show the progress of the installation.

9 When the MathWorks Installer finishes, it displays the **Setup Complete** dialog box. Click **Finish** to exit the installer.

Click Finish.

Step 3: Configuring the Client Computer for mpiexec

Note This step is needed only if you will be using Windows cluster computers and directly using mpiexec as your scheduler.

Without Delegation

The `mpiexec` command uses credentials to authenticate users for running jobs. The client computer requires that you have credentials in the Windows registry for each user who will submit jobs. To set up your Windows client computer for submitting jobs to an smpd service,

1 Log in as the user you want to submit jobs as.

2 Enter your credentials in the registry by typing the following commands at a DOS command prompt.

```
cd matlabroot\bin\win32 (or cd matlabroot\bin\win64)
mpiexec -register
```

3 Provide your login name and password when requested. The information gets encrypted in the Windows registry.

4 Repeat this step for each user who will submit jobs from this client.

You can later remove your credentials from the registry by running

```
mpiexec -remove
```

You must execute this command for each user whose credentials you want to remove. That is, it removes only those credentials of the currently logged in user.