

# **Release Notes for MATLAB® Distributed Computing Server™**

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*Release Notes for MATLAB® Distributed Computing Server™*

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## R2012b

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# R2012b

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Version: 6.1  
New Features: Yes  
Bug Fixes: Yes

## **Automatic detection and selection of specific GPUs on a cluster node when multiple GPUs are available on the node**

When multiple workers run on a single compute node with multiple GPU devices, the devices are automatically divided up among the workers. If there are more workers than GPU devices on the node, multiple workers share the same GPU device. If you put a GPU device in 'exclusive' mode, only one worker uses that device. As in previous releases, you can change the device used by any particular worker with the `gpuDevice` function.

## **Detection of MATLAB Distributed Computing Server clusters that are available for connection from user desktops through Profile Manager**

You can let MATLAB discover clusters for you. Use either of the following techniques to discover those clusters which are available for you to use:

- On the **Home** tab in the **Environment** section, click **Parallel > Discover Clusters**.
- In the Cluster Profile Manager, click **Discover Clusters**.

For more information, see “Discover Clusters”.

## **Upgrade Parallel Computing Products Together**

### **Compatibility Considerations: Yes**

This version of MATLAB® Distributed Computing Server™ software is accompanied by a corresponding new version of Parallel Computing Toolbox™ software.

### **Compatibility Considerations**

As with every new release, if you are using both parallel computing products, you must upgrade Parallel Computing Toolbox and MATLAB Distributed Computing Server together. These products must be the same version to interact properly with each other.

Jobs created in one version of Parallel Computing Toolbox software will not run in a different version of MATLAB Distributed Computing Server software, and might not be readable in different versions of the toolbox software. The job data stored in the folder identified by `JobStorageLocation` (formerly `DataLocation`) might not be compatible between different versions of MATLAB Distributed Computing Server. Therefore, `JobStorageLocation` should not be shared by parallel computing products running different versions, and each version on your cluster should have its own `JobStorageLocation`.