

# Features in VMware Server

This section provides more detailed information about some of the key features in VMware Server beta 2.

## Support for 64-bit Guest Operating Systems

VMware Server provides full support for virtual machines running 64-bit guest operating systems. For more detailed information, see [Supported Guest Operating Systems on page 24](#). The host machine must have one of the processors that VMware Server supports. For more information about hardware requirements, see [Hardware Requirements for 64-bit Guest Operating Systems on page 24](#).

## Two-Way Virtual SMP (Experimental Support)

Experimental support for two-way Virtual Symmetric Multiprocessing lets you assign two virtual processors to a virtual machine on any host machine that has at least two logical processors. VMware Server does not support guests with more than two virtual processors. You can, however, power on and run multiple dual-processor virtual machines. For more information about Virtual SMP and how to configure, see [Using Two-Way Virtual Symmetric Multiprocessing \(Experimental\) on page 278](#).

## Connect to GSX Virtual Machines and GSX 3 Hosts

You can connect to hosts running GSX Server 3 from the VMware Server Console and run virtual machines in VMware Server created under GSX Server 3 as legacy machines. For information, see [Connecting to GSX Server and Older Virtual Machines on page 106](#).

## Upgrade and Use GSX Virtual Machines

You can upgrade the virtual hardware of virtual machines created under both GSX Server 2 and 3. You must upgrade hardware of virtual machines created under GSX 2 to run them under VMware Server. For more information, see [Using a Legacy Virtual Machine and Upgrading the Virtual Hardware](#) in the *VMware Server Administration Guide*

## Move Existing Virtual Machines

You can move virtual machines from one VMware host to another and from a GSX Server host or Workstation to a host running VMware Server. For more information see, [Moving and Sharing Virtual Machines](#) in the *VMware Server Administration Guide*.