



# Feature Guide

DoubleTake® for VMware®  
Infrastructure



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# Introduction

## Product Description

Double-Take® for VMware® Infrastructure protects entire Virtual Machines (VMs) on the VMware ESX Server platform by actively replicating VM files between datastores. The Double-Take for VMware Infrastructure service installs on a single Windows® server in the environment, and multiple VM protections can be created and monitored from any Windows desktop using the client management console. Double-Take for VMware Infrastructure is compatible with VMware ESX Server versions 3.0 and later, and VirtualCenter version 2.0 or later.

Double-Take for VMware Infrastructure greatly reduces downtime and data loss in a virtual environment, making it an ideal component to disaster recovery and business continuity plans. With the product, changes are captured regularly, keeping the target virtual disk up to date and ready for failover, recovery and backup at any time. During an outage, the replicated virtual machine can be started on the target server with the latest replicated data. It is also designed to serve as an integral part of a comprehensive storage solution. It will support replication between any type of storage supported by the VMware ESX Server including direct attached SCSI or Fiber Channel SANs, as well as iSCSI and NAS storage, which are supported in the latest versions of VMware ESX Server.

## Features

### Powered by VMware Infrastructure

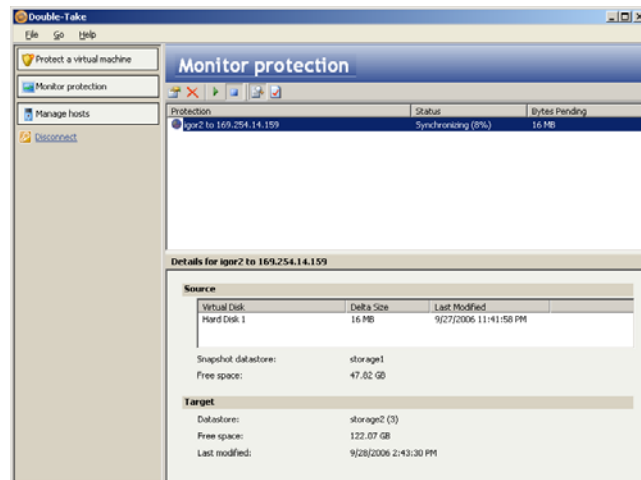
Double-Take for VMware Infrastructure leverages VMware published and supported web-service APIs for snapshot and VM management, ensuring that protected and replica VMs are in known and manageable states. Protected data is write order consistent and time-coherent across all virtual disks on the VM.

### Whole VM Protection

Whole VM protection means a replica VM contains identical configuration as the protected VM, including the OS, applications, all relevant patches and system-state. There is no need to pre-stage a target VM for recovery on the target ESX Server.

### Agent-less Installation

No “agent” software is required on the ESX Server, or within any protected VM. This means easy management and rapid deployment of protection scenarios. Install Double-Take for VMware Infrastructure once and multiple protection scenarios can be launched. This approach aggregates resource consumption by VM protection so that it can be easily monitored and managed at the VMware enterprise level.



### Guest OS Agnostic

Double-Take for VMware Infrastructure protects any guest OS supported by VMware.

### (NEW) Scheduled Start

Optimize network resources by configuring Double-Take for VMware Infrastructure to start your initial synchron in at a point in the future.

### (NEW) Email Notification

Configure SMTP credentials for one or more administrators and select events to be notified of via email.

### (NEW) VMotion™ Compatibility

Double-Take for VMware Infrastructure will detect when a virtual machine is moved by VMotion and determine which ESX Server is now hosting the virtual machine. Using previously cached credentials, protection for the virtual machine will be continued (without the need to re-synchronize) from the new ESX server.

### Enterprise Ready

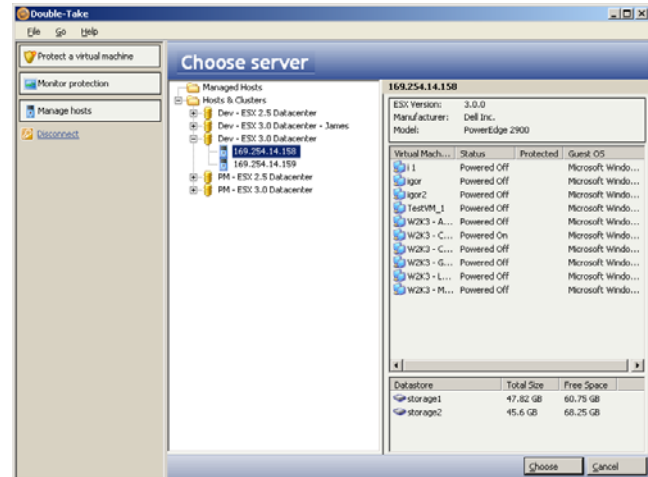
Double-Take for VMware Infrastructure installs on a single server in the environment. The management console client may be installed on multiple desktops for remote management and monitoring. It is easy to implement, manage and support multiple protection scenarios – from any location.

### Protection Wizard

Setting up a VM protection scenario is easy with a directed step-by-step workflow that guides the user through the process. With just a few mouse clicks, and in less than a minute, a VM protection scenario can be created and deployed.

### Virtual Infrastructure Browsing

The Double-Take for VMware Infrastructure management interface leverages the logical groupings and hierarchies available in VMware VirtualCenter. This makes it possible for an administrator to easily navigate through configured virtual machines to select them for management and protection by Double-Take for VMware Infrastructure.



### Compression Options

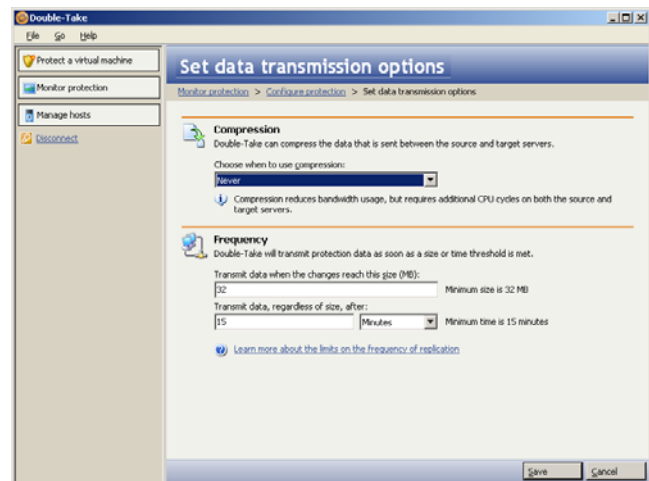
Double-Take for VMware Infrastructure provides options for compressing the replicated files, providing flexible trade-offs between host system resource consumption and network bandwidth usage.

### (NEW) Smart Resume

In case of an interruption on during the initial synch, the virtual disk version is “remembered” (via a date / time stamp) so that when protection is resumed, no re-synch is needed (providing the target is the same version as it was at the start). Once protection is resumed, you can move directly to monitoring and replication.

### Replication Frequency Options

Double-Take for VMware Infrastructure provides flexibility to configure the frequency of change replication based on either the amount of change or the time that has elapsed since the last replication window.



### System Requirements

Double-Take for VMware Infrastructure requires the following minimum system configuration:  
A server that meets one of the following operating system requirements:

- Microsoft® Windows® XP (client)
- Microsoft Windows 2003 (service or client)
- A copy of Double-Take for VMware Infrastructure
- VMware VirtualCenter 2.x or later (**Strongly recommended:** VMware VirtualCenter 2.0.1)
- VMware ESX Server 3.x or later (**Strongly recommended:** VMware ESX Server 3.0.1)

**NOTE:** The Double-Take for VMware Infrastructure service only needs to be installed on one server. The Double-Take for VMware Infrastructure client may be installed on multiple desktops.

**NOTE:** Double-Take for VMware Infrastructure requires .NET framework 2.0. You must verify that applications on your protected virtual machine work with .NET 2.0.

## Summary

Headquartered in Southborough, Massachusetts, Double-Take® Software (Nasdaq: DBTK) is a leading provider of affordable software for recoverability, including continuous data replication, application availability and system state protection. Double-Take Software products and services enable customers to protect and recover business-critical data and applications such as Microsoft Exchange, SQL, and SharePoint in both physical and virtual environments. With its unparalleled partner programs, technical support, and professional services, Double-Take Software is the solution of choice for more than ten thousand customers worldwide, from SMEs to the Fortune 500. Information about Double-Take Software's products and services can be found at [www.doubletake.com](http://www.doubletake.com).

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