



NEW & IMPROVED

vmPRO 3.1

OPEN STANDARD
ARCHIVE TO TAPE

NEW SIMPLIFIED
MANAGEMENT

IMPROVED
PERFORMANCE

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Product Marketing Manager

Virtual Data Protection

Quantum



vmPRO

*The industry's only native file
VM backup software.*

SPEED & SIMPLICITY

Restore in Seconds Without a Backup App
Drag & Drop to Restore Files or Entire VMs

INVESTMENT PROTECTION

Integrates with Existing
Infrastructure

BUSINESS CONTINUITY

Instantly Boot VMs from Any
DR site

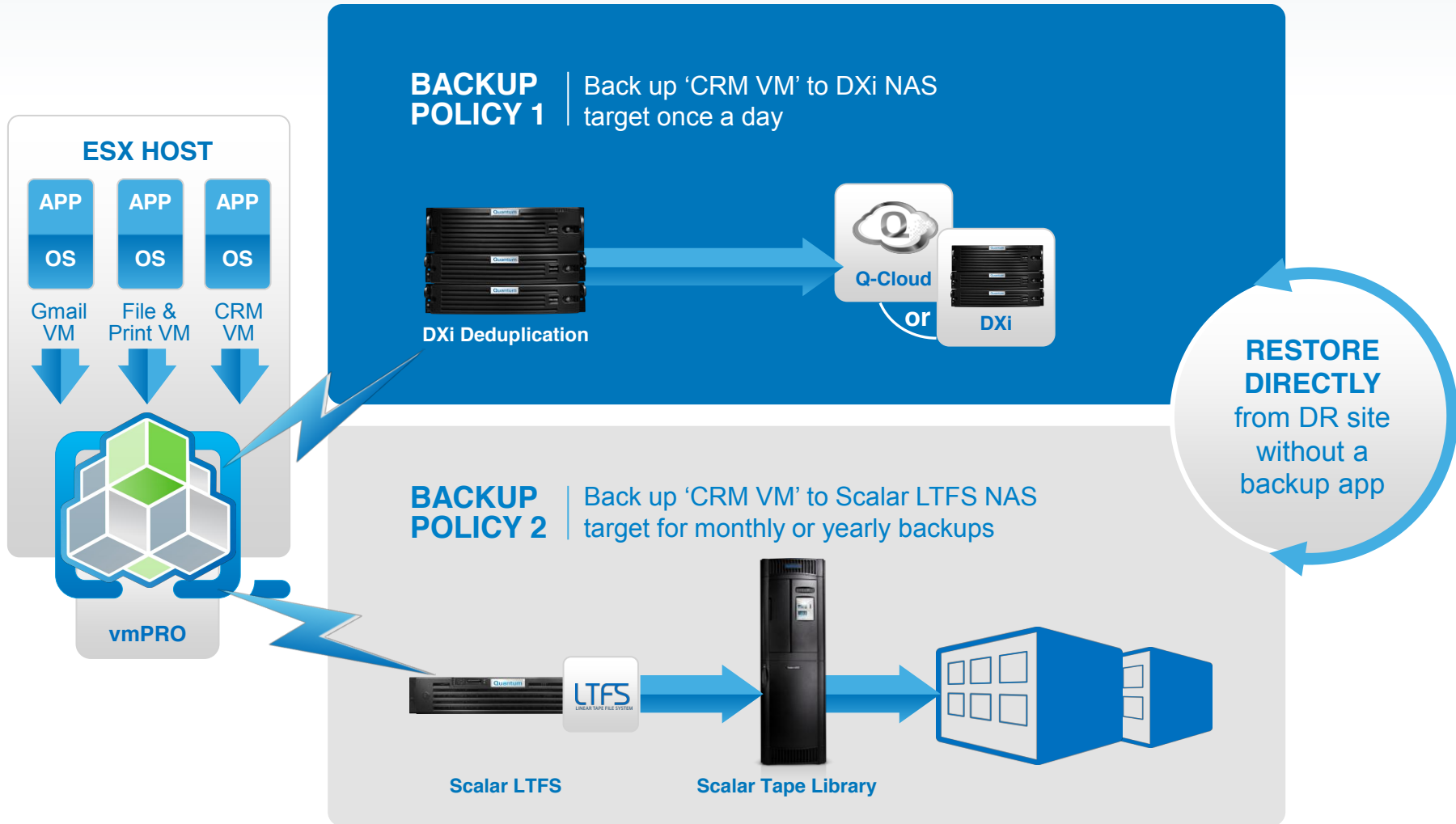
OPEN STANDARD

Tape, Cloud and Disk for
Backup and Archive

WORKLOAD EFFICIENCY

Patented Technology Gets Your
VMs Back to Work Faster

Backup and Archive to Disk and LTFS Tape



Open Standards Data Protection & Archive

File Explorer window showing the path: \\sltfs-lta00.infra.n7.quantum.com\ScalarLTFS\LT1001\2013-05\2013-05-02-000002\N7\DESKTOP_WIN8X64

Share = LTFS Appliance

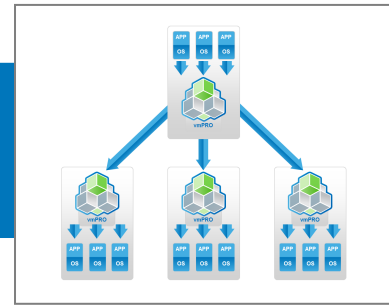
Folders = Tape

Native VMDK file format for browse, search and easy restore capabilities

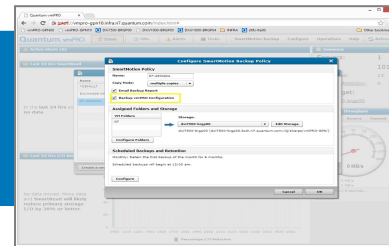
Name	Date modified	Type	Size
DESKTOP_WIN8X64.cfg	5/1/2013 3:20 AM	CFG File	5 KB
DESKTOP_WIN8X64.vmdk	4/10/2013 12:29 PM	VMDK File	1 KB
DESKTOP_WIN8X64.vmx	5/1/2013 3:20 AM	VMX File	5 KB
DESKTOP_WIN8X64-flat.vmdk	5/2/2013 1:56 AM	VMDK File	52,428,800 ...
smartmotion.json	5/2/2013 3:21 AM	JSON File	1 KB

Simplified Management

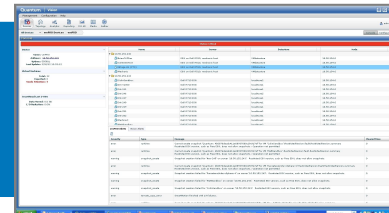
Single Management Interface



Automatic DR Configuration



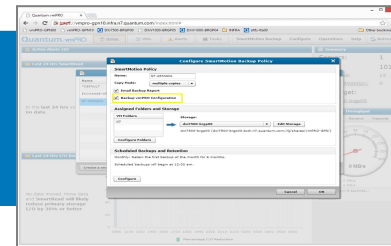
Holistic Storage Monitoring



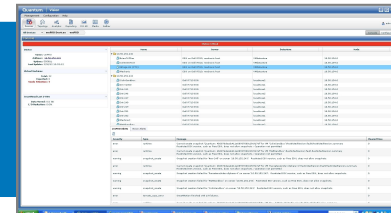
Simplified Management

Single Management Interface

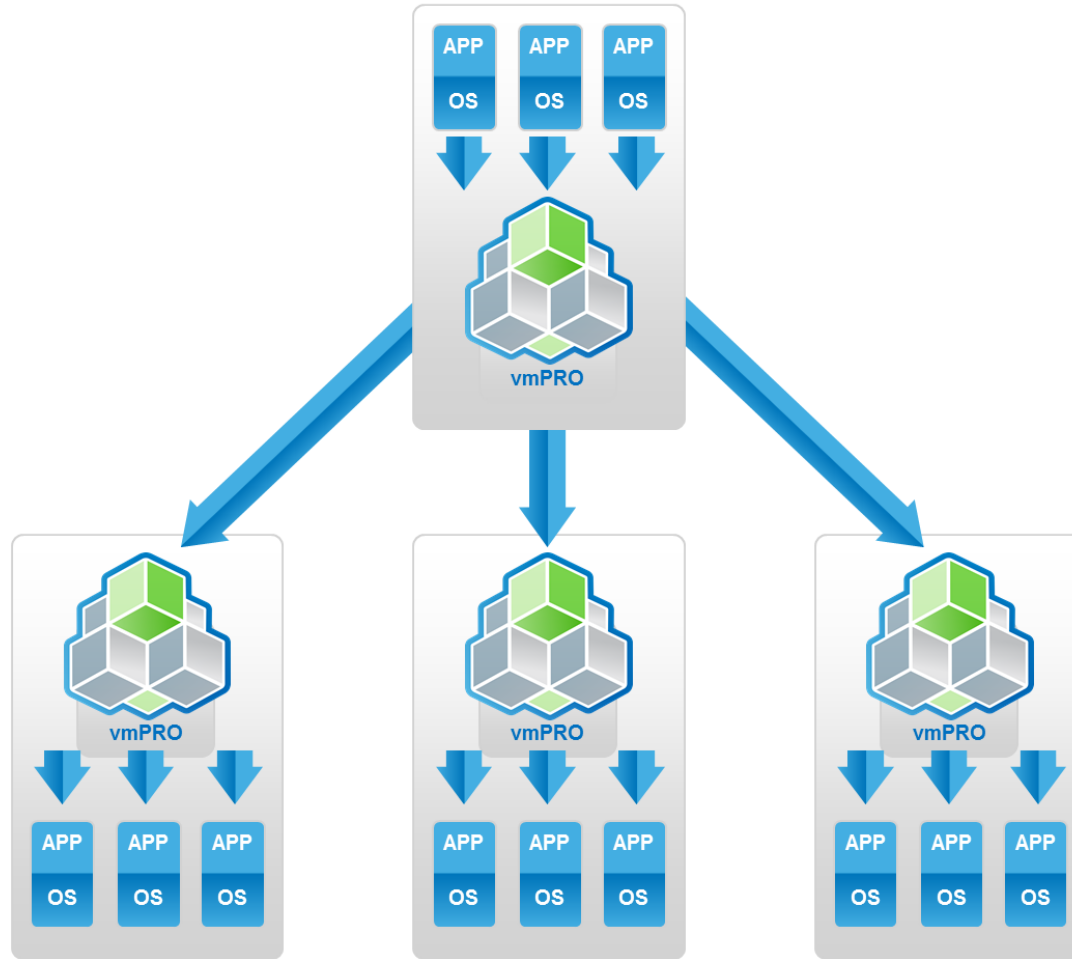
Automatic DR Configuration



Holistic Storage Monitoring

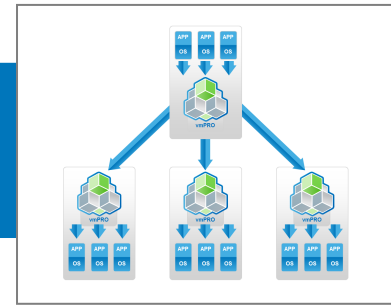


Simplified Management

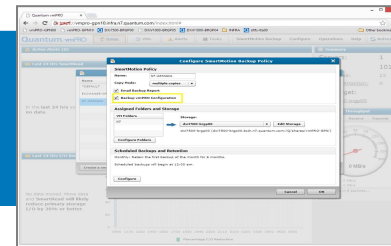


Simplified Management

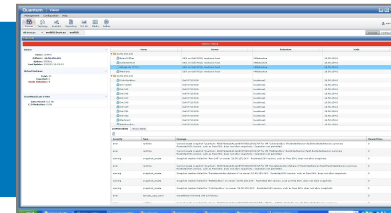
Single Management Interface



Automatic DR Configuration



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Simplified Management

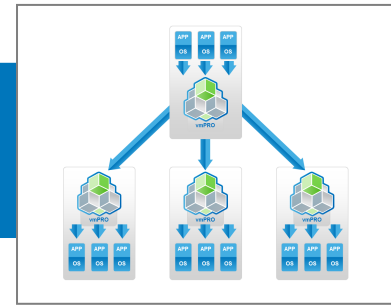
The screenshot displays the Quantum vmPRO web interface with a 'Configure SmartMotion Backup Policy' dialog box open. The dialog box is titled 'Configure SmartMotion Backup Policy' and contains the following sections:

- SmartMotion Policy:**
 - Name: N7-ARMADA
 - Copy Mode: multiple copies
 - Email Backup Report
 - Backup vmPRO Configuration
- Assigned Folders and Storage:**
 - VM Folders: N7
 - Storage: dxi7500-brgp00
 - Path: dxi7500-brgp00 (dxi7500-brgp00.bcdr.n7.quantum.com:/Q/shares/vmPRO-GPN/)
- Scheduled Backups and Retention:**
 - Monthly: Retain the first backup of the month for 6 months.
 - Scheduled backups will begin at 12:00 am.

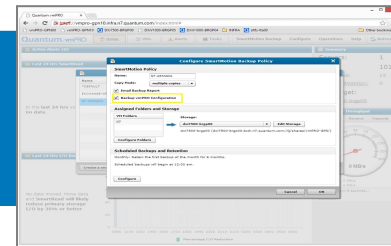
The background interface shows a navigation menu with 'SmartMotion Backup' selected, and a summary table with columns for Servers, Attention, and Throughput. A throughput gauge is visible on the right side of the interface.

Simplified Management

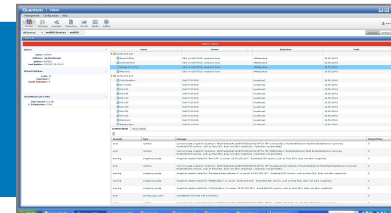
Single Management Interface



Automatic DR Configuration



Holistic Storage Monitoring



Simplified Management

The screenshot displays the Quantum Vision management interface. The top navigation bar includes 'Management', 'Configuration', and 'Help'. Below this, there are icons for 'Devices', 'Topology', 'Analytics', 'Reporting', 'DXI AR', 'Media', and 'Gather'. The user is logged in as 'admin'.

The main content area is titled 'All Devices' and shows a tree view of 'vmPRO Devices' and 'vmPRO'. A 'Console' tab is active, displaying a table of devices with columns for Name, Server, Datastore, and Node. The status is indicated as 'critical'.

On the left side, there are summary cards for 'Device' (Name: vmPRO, Address: 10.50.152.233, Uptime: 595981, Last Update: 3/30/12 13:53:12), 'Virtual Machines' (Total: 22, Exported: 0, Needs Attention: 5), and 'SmartRead Last 24 hrs' (Data Moved: 0.0 GB, I/O Reduction: 0.0%).

At the bottom, a 'vmPRO Alerts' section shows a table of alerts:

Severity	Type	Message	Cleared Time
error	runtime	Cannot create snapshot 'Quantum: 4b0876decab411e08937000c29c917eF' for VM 'ColinSandbox' (RestrictedVersion: fault.RestrictedVersion.summary Restricted ESX version, such as Free ESXi, does not allow snapshots.: Operation not permitted	0
error	runtime	Cannot create snapshot 'Quantum: 4b0876decab411e08937000c29c917eF' for VM 'MattSandbox' (RestrictedVersion: fault.RestrictedVersion.summary Restricted ESX version, such as Free ESXi, does not allow snapshots.: Operation not permitted	0
warning	snapshot_create	Snapshot creation failed for 'New-245' on server '10.50.152.243'. Restricted ESX version, such as Free ESXi, does not allow snapshots.	0
error	runtime	Cannot create snapshot 'Quantum: 4b0876decab411e08937000c29c917eF' for VM 'PanceteraUnite-vSphere-4' (RestrictedVersion: fault.RestrictedVersion.summary Restricted ESX version, such as Free ESXi, does not allow snapshots.: Operation not permitted	0
warning	snapshot_create	Snapshot creation failed for 'PanceteraUnite-vSphere-4' on server '10.50.152.243'. Restricted ESX version, such as Free ESXi, does not allow snapshots.	0
warning	snapshot_create	Snapshot creation failed for 'MattSandbox' on server '10.50.152.243'. Restricted ESX version, such as Free ESXi, does not allow snapshots.	0
warning	snapshot_create	Snapshot creation failed for 'ColinSandbox' on server '10.50.152.243'. Restricted ESX version, such as Free ESXi, does not allow snapshots.	0
error	tomato_copy_error	SmartMotion finished with 19 failures.	0

Increased Performance



- ✓ HotAdd Support
- ✓ Multiple Policy Execution
- ✓ Extraneous Data Removal
- ✓ Enhanced Data Mover

The Industry's Only Native File VM Backup Software



NOW WITH

- Open Standards Data Protection and Archive
- Simplified Management
- Improved Performance and Workload Efficiency





BE CERTAIN