

XIV VSS Provider - xProv 2.0.9

Release Notes

IBM XIV Storage System





First Edition (May 2009)

This edition applies to IBM XIV Storage System Software and to all subsequent releases and modifications until otherwise indicated in new editions.

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Introduction

The XIV xProv VSS Provider allows for taking Snapshots of Windows applications using the VSS Framework as the application manager and the IBM XIV Storage System as a Snapshot management system.



Change List

New Features and Components

Improved xProv performance

xProv communication with XIV storage array has been greatly optimized as VSS operations involving communication with the storage array are completed in shorter time.

Resolved Known Issues and Bug Fixes

VSS snapshot operation fails for shadowset containing more than 5 volumes - FIXED

The limitation of maximum 5 volumes per VSS snapshot operation is removed with this release.



Supported environments

Compatibility Matrix		
OS	•	Windows 2003 x86 SP1 and above
	•	Windows 2003 x64 SP1 and above
	•	Windows 2008 x86 and above
	•	Windows 2008 x64 and above

System Requirements

.NET Framework	•	2.0 and above
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Limitations

Windows Dynamic Disks is **not supported**

The use of Windows Dynamic Disks for xProv VSS operations is not supported.



Installation Guide

The installation process is comprised of:

- 1. Installing xProv using a Wizard
- 2. Configuring IBM XIV machines to work with the installed xProv

The installation starts with the Wizard and automatically takes you to the MachinePool screen, where you add the machines.

Prerequisites

- 1. Verify that your Windows platform is supported (see above).
- 2. Verify that you have an IP connectivity to XIV machine(s)
- 3. Verify that you have XIV Storage Administrator credentials

Installation Packages	
xProvSetup-2.0.9-x86.msi	 Windows 2003 x86 SP1 and above
	 Windows 2008 x86 and above
xProvSetup-2.0.9-x64.msi	Windows 2003 x64 SP1 and above
	 Windows 2008 x64 and above

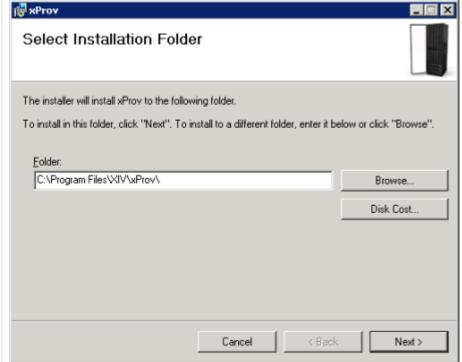
Installing xProv



1 Run the installation package. The xProv wizard opens on screen. Click Next. i∰ xProv Welcome to the xProv Setup Wizard The installer will guide you through the steps required to install xProv 2.0.9 on your computer. WARNING: This computer program is protected by copyright law and international treaties. Unauthorized duplication or distribution of this program, or any portion of it, may result in severe civil or criminal penalties, and will be prosecuted to the maximum extent possible under the law. Cancel Next> 2 Approve the license agreement and click Next. **i**₩ xProv License Agreement Please take a moment to read the license agreement now. If you accept the terms below, click "I Agree", then "Next". Otherwise click "Cancel". LICENSE AGREEMENT IMPORTANT: PLEASE READ BEFORE INSTALLING THE SOFTWARE. C I Do Not Agree I Agree < Back Cancel Next>



Approve the path to the Machine Pool configuration file. The default path to this file is: 3 <installation folder>\etc\MachinePool.xml Click Next. **i**∰ xProv Machine Pool Configuration Please enter a pathname for the XIV machine pool configuration file for xProv VSS provider. Default example file will be installed with xProv at the specified location. etc\MachinePool.xml Cancel < Back Next > Set the installation folder and click Next. 4 ∰ xProv Select Installation Folder

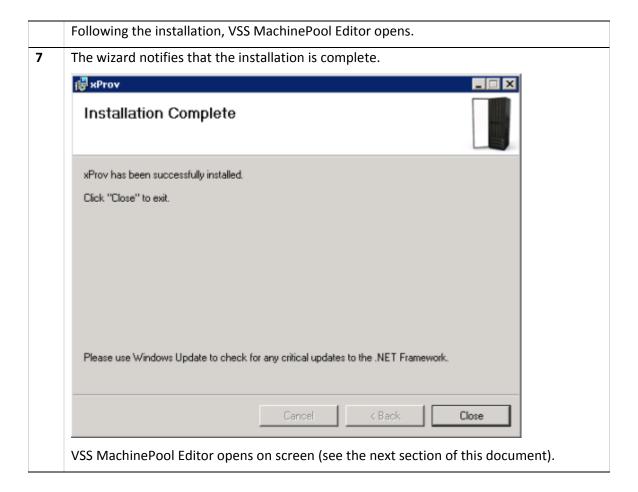




5 Approve launching the Machine Pool Editor after the installation. Click Next. **i**₽ xProv Post install operations ▼ Launch Machine Pool Editor Cancel < Back Next > 6 Click **Next** on the Confirm Installation screen. ∰ xProv Confirm Installation The installer is ready to install xProv on your computer. Click "Next" to start the installation. < Back Next > Cancel

xProv is installed.



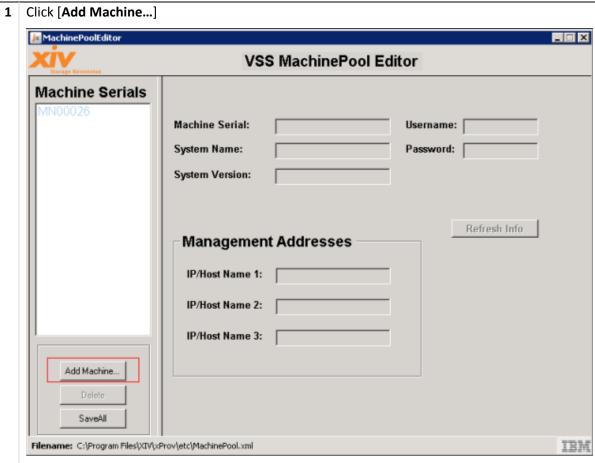


Adding an XIV Machine using VSS MachinePool Editor

xProv requires XIV Machine connectivity definitions for each XIV Machine that the host is connected to.

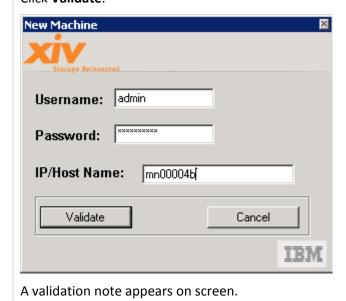
xProv is configured via the MachinePool Editor Tool which is bundled with the xProv Install and, following the installation, is now open on screen.



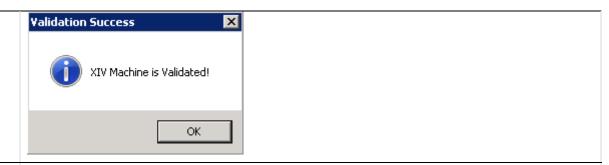


Enter the Machine's user, password and IP/Host Name.

Click Validate.

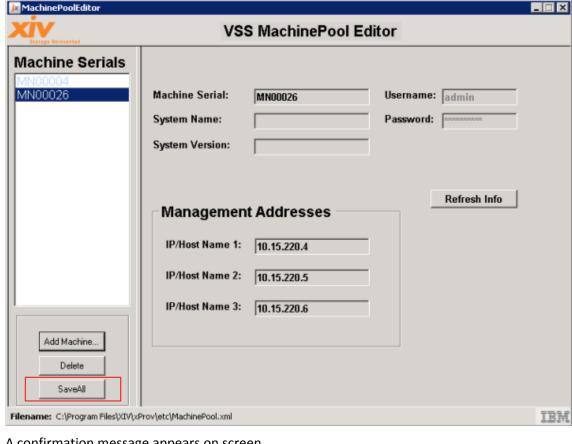






The machine is added to the MachinePool list.

Click Save All to save the connectivity to the Machines.



A confirmation message appears on screen.



xProv is now configured to work with this Storage System as its Snapshot management system.