



Manage and Protect
the Microsoft Cloud Platform

5nine V2V Easy Converter Free Edition – Version 8

GETTING STARTED GUIDE

March 2017

Microsoft Partner
Gold Datacenter

© 2017 5nine Software Inc.

All rights reserved. All trademarks are the property of their respective owners.

No part of this publication may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language in any form by any means, without written permission from 5nine Software Inc. (5nine). The information contained in this document represents the current view of 5nine on the issue discussed as of the date of publication and is subject to change without notice. 5nine shall not be liable for technical or editorial errors or omissions contained herein. 5nine makes no warranties, expressed or implied, in this document. 5nine may have patents, patent applications, trademark, copyright or other intellectual property rights covering the subject matter of this document. All other trademarks mentioned herein are the property of their respective owners. Except as expressly provided in any written license agreement from 5nine, the furnishing of this document does not give you any license to these patents, trademarks, copyrights or other intellectual property.

Important! Please read the Software License Agreement before using the accompanying software program(s). Using any part of the software indicates that you accept the terms of the Software License Agreement. https://www.5nine.com/Docs/5nine_SLA.pdf

Table of Contents

Summary	3
System Requirements	4
Supported Conversion Source Systems:	4
Supported Conversion Target Systems:	4
Installation Supported Systems:	5
vSphere ESXi to Hyper-V Conversion Wizard	6
Hyper-V Conversion Process	8

Summary

5nine V2V Easy Converter provides fast and easy migration of VMware virtual machines to Hyper-V with a simple standalone tool. It performs non-intrusive conversions with the highest success ratio on the market.

System Requirements

Supported Conversion Source Systems:

- VMware vSphere ESXi
 - vSphere ESXi 6.5
 - vSphere ESXi 5.5
 - vSphere ESXi 5.1
 - vSphere ESXi 5.0
 - vSphere ESXi 4.1
- Guest VM:
 - Any ESXi supported guest OS
- Hyper-V Host:
 - Microsoft Windows Server 2016
 - Microsoft Windows Server 2012 R2
 - Microsoft Windows Server 2012
 - Microsoft Windows 8 Professional with the Hyper-V role enabled
 - Microsoft Windows 8.1 Professional with the Hyper-V role enabled
 - Microsoft Windows 10 Enterprise with the Hyper-V role enabled
 - Microsoft Windows 10 Professional with the Hyper-V role enabled
 - Microsoft Windows 10 Education with the Hyper-V role enabled
- Guest VM:
 - Any Hyper-V supported guest OS

Supported Conversion Target Systems:

- Hyper-V Host:
 - Microsoft Windows Server 2016
 - Microsoft Windows Server 2012 R2
 - Microsoft Windows Server 2012
 - Microsoft Windows Server 2008 R2 SP1
 - Microsoft Windows 8 Professional with the Hyper-V role enabled
 - Microsoft Windows 8.1 Professional with the Hyper-V role enabled
 - Microsoft Windows 10 Enterprise with the Hyper-V role enabled
 - Microsoft Windows 10 Professional with the Hyper-V role enabled

- Microsoft Windows 10 Education with the Hyper-V role enabled

Installation Supported Systems:

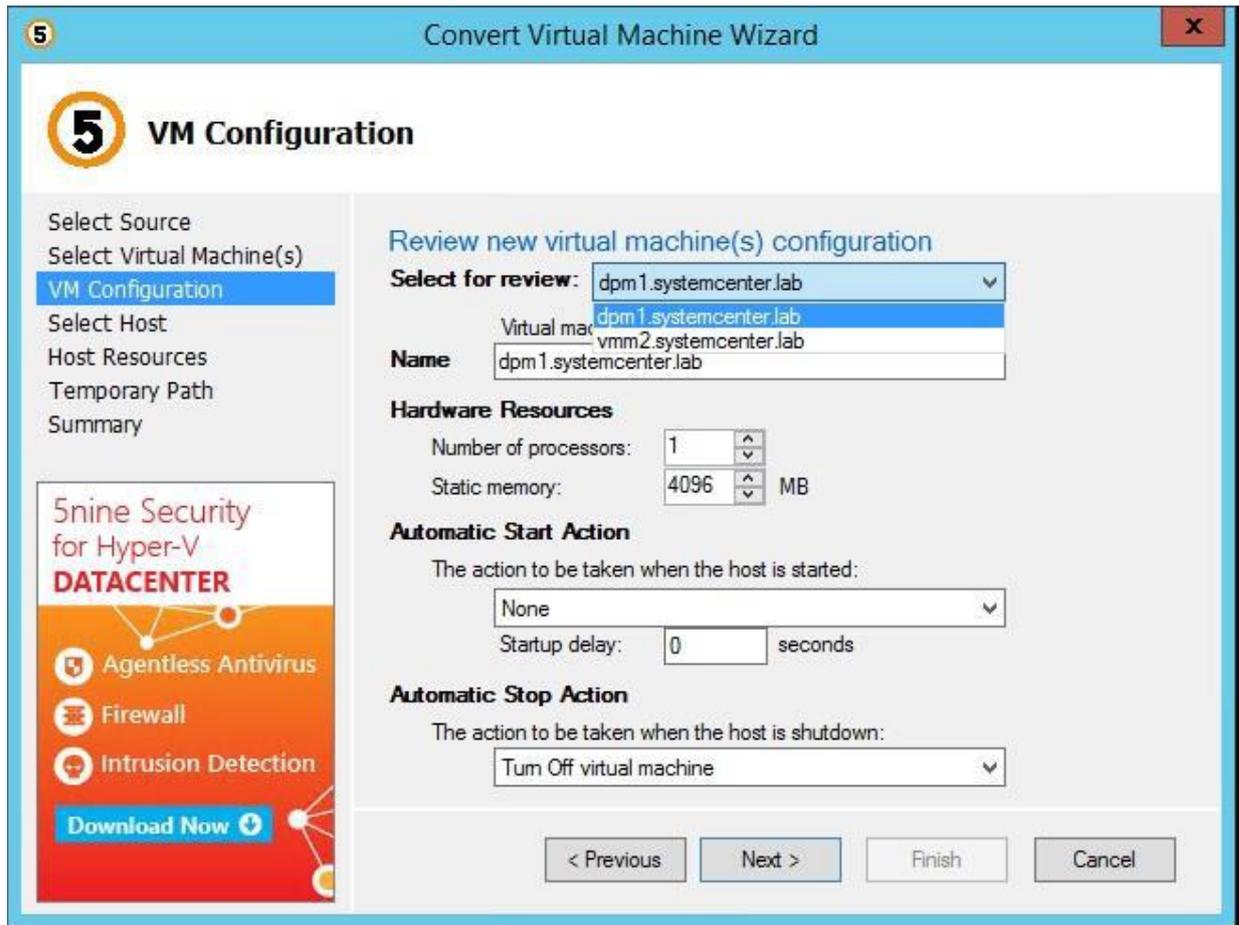
- Windows
 - Microsoft Windows Server 2016
 - Microsoft Windows Server 2012 R2
 - Microsoft Windows Server 2012
 - Microsoft Windows 8 Professional
 - Microsoft Windows 8.1 Professional
 - Microsoft Windows 10 Enterprise
 - Microsoft Windows 10 Professional
 - Microsoft Windows 10 Education

vSphere ESXi to Hyper-V Conversion Wizard

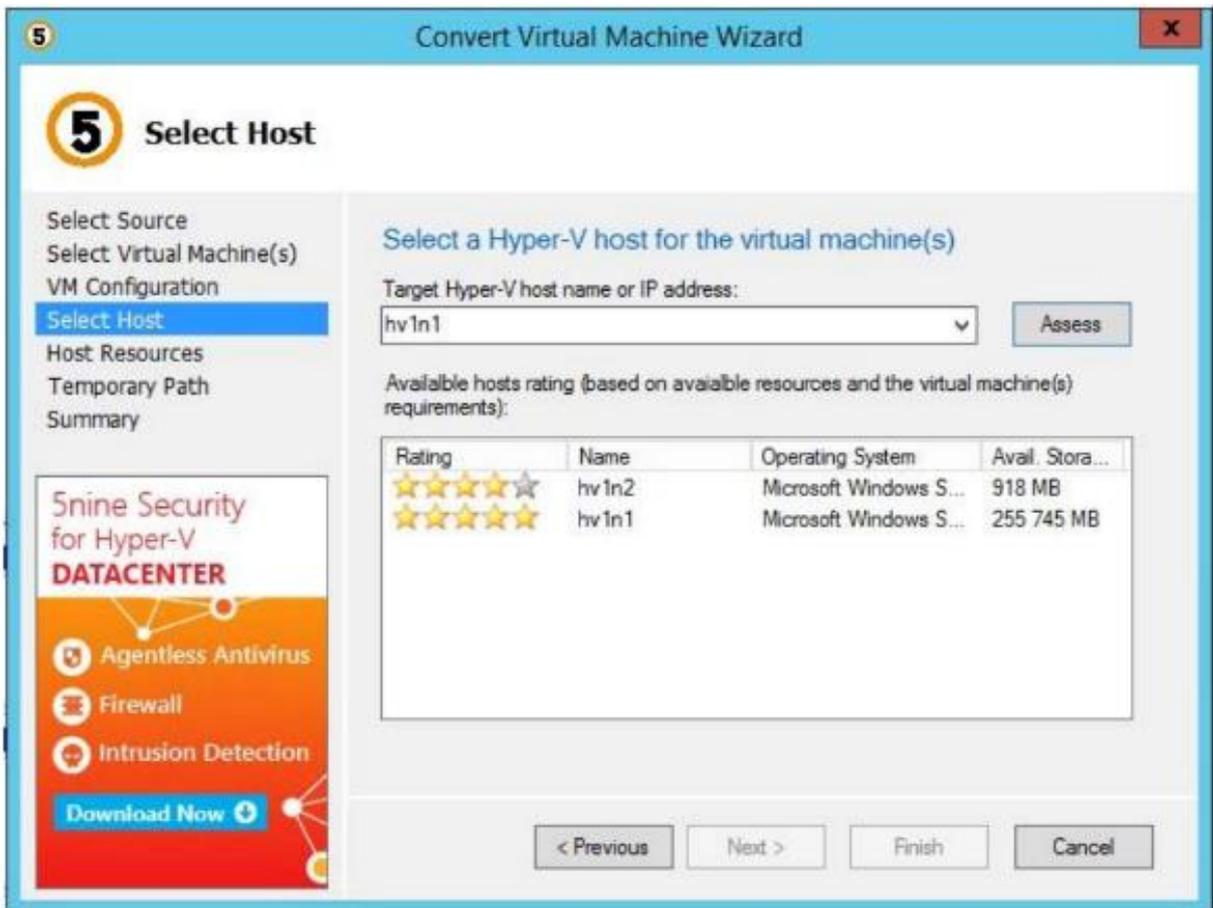
The Select Source page is where the IP address or the host name of ESXi host is entered along with the user credentials to connect to the specified host. Virtual machine(s) can be selected directly from the VMware host. You can browse multiple hosts and their VMs by connecting to a vCenter Server. Please note that the best performance with the least impact to network resources is achieved by connecting directly to a VMware host and not through vCenter.



Select the host(s) and virtual machines for conversion. The current state of the VMs is displayed on the right hand side.



The VM configuration page allows you to modify the selected VM's settings.



The Select Host page allows you to select the target Hyper-V server or cluster. A list of available hosts and clusters ranked by their available resources are displayed to assist in the selection of the target.

The Host Resources page verifies resource availability for migration destination.

The Temporary Path page allows you to configure where the VM is copied to as part of the conversion process.

The summary page shows the settings defined by the wizard before starting the conversion process.

Hyper-V Conversion Process

1. The VM is shutdown and then its configuration settings are remapped from VMware (.vmx) to Hyper-V (.xml) including the name, memory, virtual networks, virtual disks, etc. set in the wizard.
2. The VM's hard disk is copied to a temporary location from the VMware (.vmdk) to the Hyper-V (.vhd/x) format. This includes the OS and data disks.
3. A new VM is created on Hyper-V by combining the configuration file and disk.