

THE EUC GUY

TECHNICAL WHITEPAPER – MARCH 2019

VMware Horizon® 7 version 7.8 Installation Guide

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Introduction

The purpose of this document is to provide you with guidance on the installation of VMware Horizon® 7 version 7.8.

This guide assumes that the required infrastructure and prerequisites are in place to set up the VMware Horizon environment.

For a graphical representation of this guide, you can watch my installation and basic configuration video at <https://youtu.be/loctmv6skNI>.

Please keep checking back on my blog, <http://www.theeuguy.com> for new guides relating to VMware end-user computing solutions.

For any feedback or suggestions, you can reach out to me at:

Contact Me



VMware Horizon Connection Server Installation

The VMware Horizon Connection Server is the component that brokers the connection between the user (client) and the virtual desktop and hosted applications.

Horizon Connection Server Hardware and Software Requirements

The following hardware and software requirements are applicable to any type of Horizon Connection Server role, whether it is the standard, replica, security or the enrollment server.

In most organisations, the Horizon Connection Server is deployed as a virtual machine rather than on a physical server. Having this component running as a virtual machine means that it can benefit from all the high-availability and the ease-of-manageability that you get from a virtual infrastructure.

Table 1 – Horizon Connection Server Hardware Requirements

Hardware Component	Recommended	Description
Processor	4 CPUs	Recommended processor is Pentium IV 2.0GHz or higher.
Memory	12GB	Even though the Horizon Connection Server can be installed with a lower memory size, the optimal size recommended is 12GB. Giving the server more than this provides no benefits.
Network Adapter	1	Single network adapter connected to the server management network
Disk	70GB	Provides sufficient space for the guest operating system, updates and software installation.

Table 2 – Horizon Connection Server Software Requirements

Software Component	Recommended
Operating System	Windows Server 2019 Standard, Datacenter Windows Server 2016 Standard, Datacenter Windows Server 2012 R2 Standard, Datacenter Windows Server 2008 R2 SP1 Standard, Enterprise, Datacenter

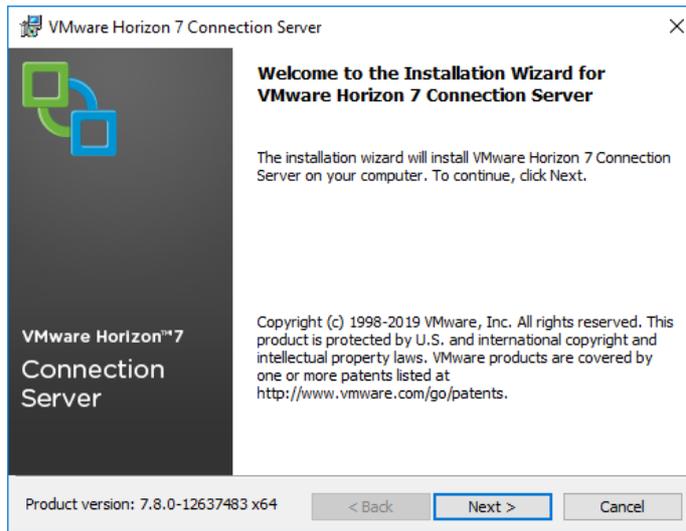
Note The Horizon Connection Server should be joined to an Active Directory domain and have a static IP address.

Horizon Connection Server Installation Steps

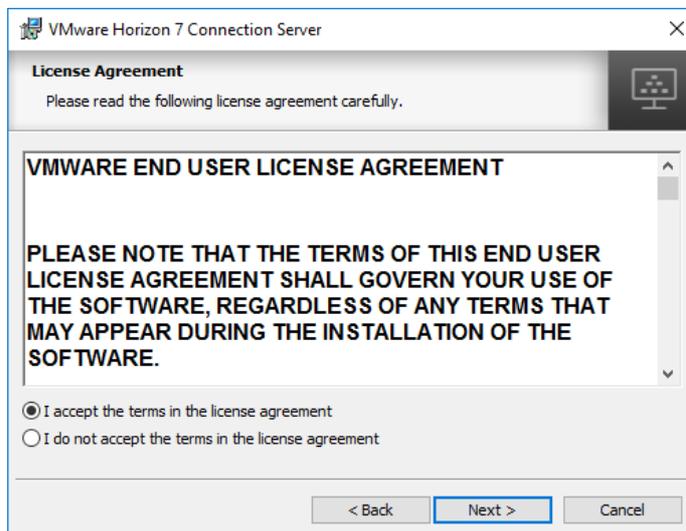
1. Ensure you are logged onto the server as a domain user but with **administrator** privileges to run the installer.
2. Double-click on the Horizon Connection Server installer.

 VMware-Horizon-Connection-Server-x86_64-7.8.0-12637483.exe

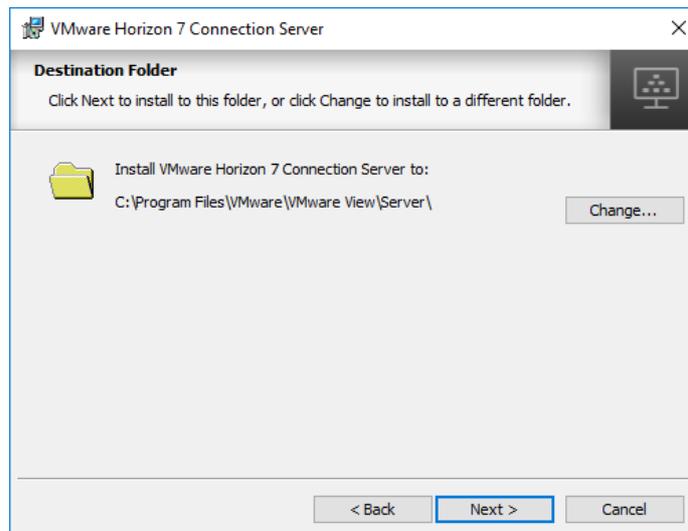
3. On the *Welcome to the Installation Wizard for VMware Horizon 7 Connection Server* screen, click **Next**.



4. On the *License Agreement* screen, select **I accept the terms in the license agreement** and click **Next**.



- On the *Destination Folder* screen, either leave the default location or select the location suited to your environment and click **Next**.

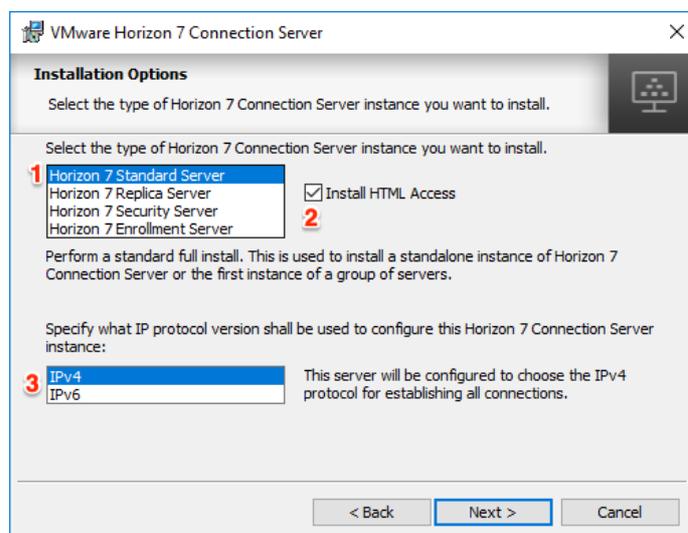


- On the *Installation Options* screen, as this is the first Horizon Connection Server to be installed, ensure that **Horizon 7 Standard Server** is selected (default).

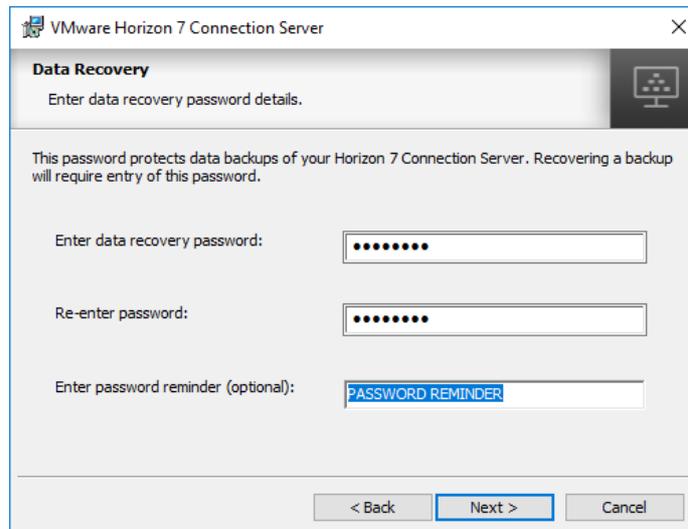
If you are **not** planning to allow HTML Access (web-based access without the need of the Horizon Client), remove the check against **Install HTML Access**. This is checked by default.

Select the IP protocol based on your environment. IPv4 is selected by default.

Click **Next**.

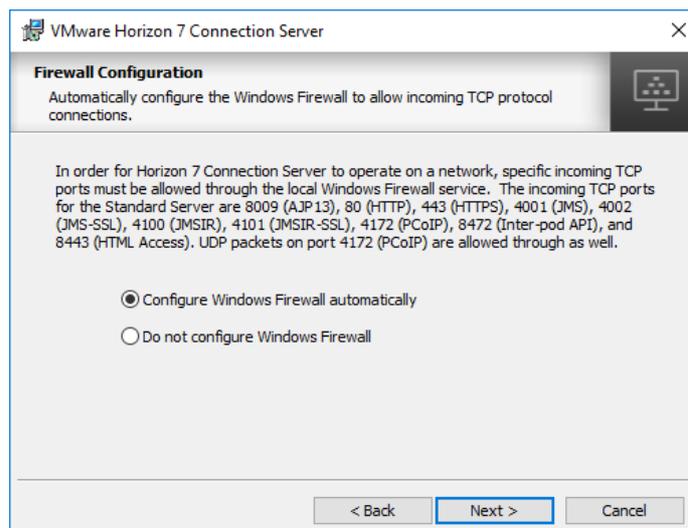


7. On the *Data Recovery* screen, enter a data recovery password. This password is required during a restoration of the View configuration. Click **Next**.



The screenshot shows the 'Data Recovery' screen in the VMware Horizon 7 Connection Server installer. The window title is 'VMware Horizon 7 Connection Server'. The main heading is 'Data Recovery' with a sub-heading 'Enter data recovery password details.' Below this, a message states: 'This password protects data backups of your Horizon 7 Connection Server. Recovering a backup will require entry of this password.' There are three input fields: 'Enter data recovery password:' (with a masked password of seven dots), 'Re-enter password:' (with a masked password of seven dots), and 'Enter password reminder (optional):' (with the text 'PASSWORD REMINDER'). At the bottom, there are three buttons: '< Back', 'Next >', and 'Cancel'.

8. On the *Firewall Configuration* screen, allow the installation to **Configure Windows Firewall automatically** (default) and click **Next**.



The screenshot shows the 'Firewall Configuration' screen in the VMware Horizon 7 Connection Server installer. The window title is 'VMware Horizon 7 Connection Server'. The main heading is 'Firewall Configuration' with a sub-heading 'Automatically configure the Windows Firewall to allow incoming TCP protocol connections.' Below this, a message states: 'In order for Horizon 7 Connection Server to operate on a network, specific incoming TCP ports must be allowed through the local Windows Firewall service. The incoming TCP ports for the Standard Server are 8009 (AJP13), 80 (HTTP), 443 (HTTPS), 4001 (JMS), 4002 (JMS-SSL), 4100 (JMSIR), 4101 (JMSIR-SSL), 4172 (PCoIP), 8472 (Inter-pod API), and 8443 (HTML Access). UDP packets on port 4172 (PCoIP) are allowed through as well.' There are two radio button options: 'Configure Windows Firewall automatically' (which is selected) and 'Do not configure Windows Firewall'. At the bottom, there are three buttons: '< Back', 'Next >', and 'Cancel'.

9. On the *Initial Horizon 7 Administrators* screen, either select **Authorize the local Administrators group** (not recommended if there are other groups in the Administrators group that will not be part of the Horizon administration).

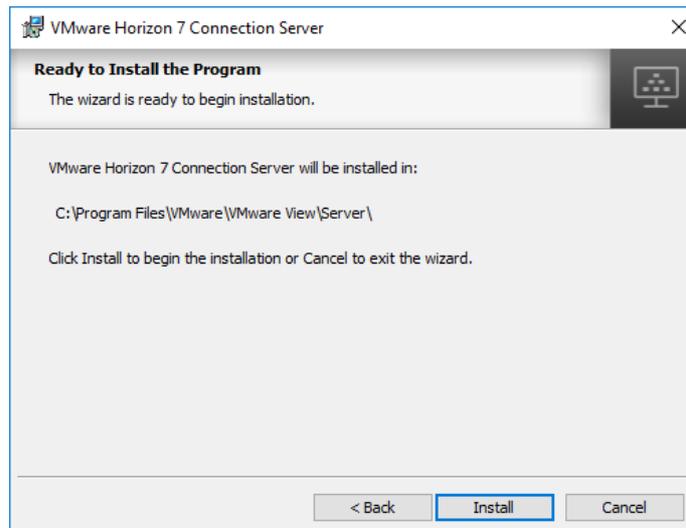
Select **Authorize a specific domain user or domain group** and enter the domain user or domain group that will be the Horizon administrator. Click **Next**.

The screenshot shows the 'Initial Horizon 7 Administrators' dialog box. The title bar reads 'VMware Horizon 7 Connection Server'. The main heading is 'Initial Horizon 7 Administrators' with the subtitle 'Specify the domain user or group for initial Horizon 7 administration.' Below this, there is explanatory text: 'To login to Horizon 7 Administrator, you will need to be authorized. Select the local Administrators group option or enter the name of a domain user or group that will be initially allowed to login and will be granted full administrative rights. The list of authorized administrator users and groups can be changed later in Horizon 7 Administrator.' There are two radio button options: 'Authorize the local Administrators group' (unselected) and 'Authorize a specific domain user or domain group' (selected). Below the selected option is a text input field containing a blurred domain name, with a placeholder '(domainname\username, domainname\groupname or UPN format)'. At the bottom, there are three buttons: '< Back', 'Next >', and 'Cancel'.

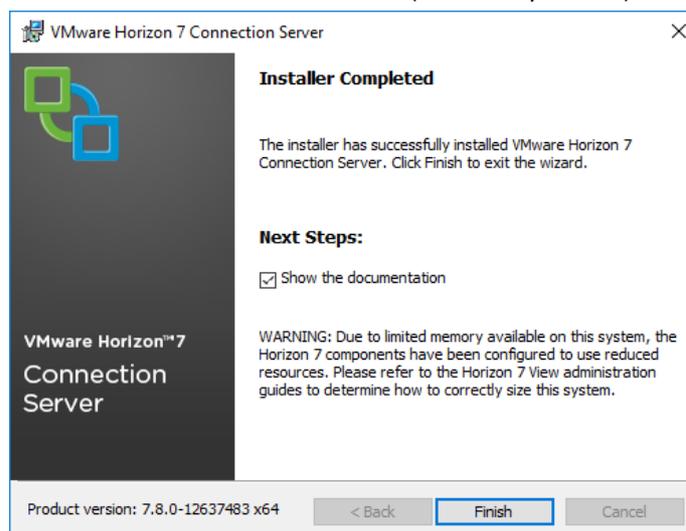
10. On the *User Experience Improvement Program* screen, leave checked or uncheck **Join the VMware Customer Experience Improvement Program**. Click **Next**.

The screenshot shows the 'User Experience Improvement Program' dialog box. The title bar reads 'VMware Horizon 7 Connection Server'. The main heading is 'User Experience Improvement Program' with the subtitle 'Basic Customer Demographics'. Below this, there is explanatory text: 'VMware's Customer Experience Improvement Program ("CEIP") provides VMware with information that enables VMware to improve its products and services, to fix problems, and to advise you on how best to deploy and use our products.' There is a 'Learn More' button. Below that is a checked checkbox for 'Join the VMware Customer Experience Improvement Program'. There are three dropdown menus: 'Select your organization industry type:', 'Select location of your organization's headquarter:', and 'Select approximate number of employees:'. At the bottom, there are three buttons: '< Back', 'Next >', and 'Cancel'.

11. On the *Ready to Install the Program* screen, click **Install**.



12. Once the installation completes, remove the check against **Show the documentation** if you do not wish to review the documentation (checked by default). Click **Finish**.

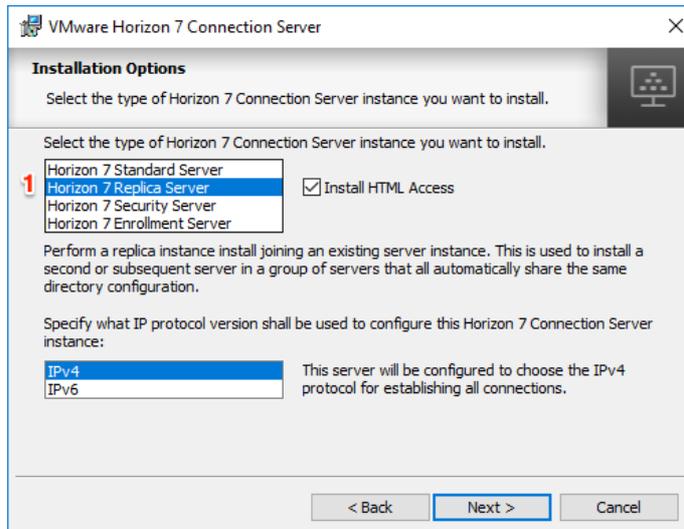


This concludes the installation of the first Horizon Connection Server.

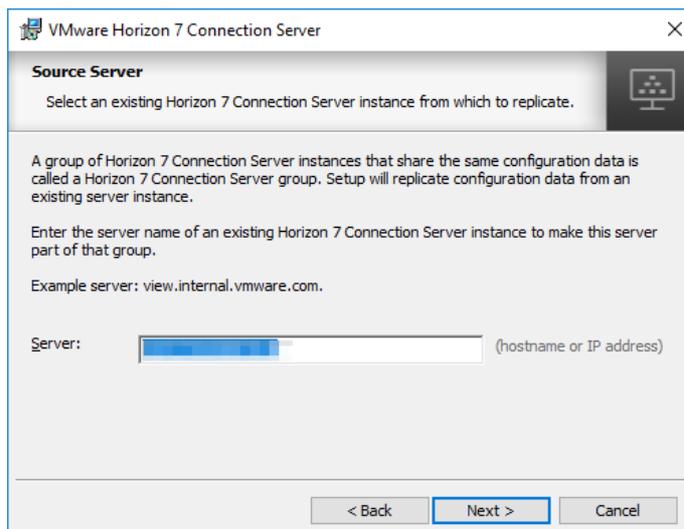
Horizon Connection Server Replica Installation Steps

1. To install additional Horizon Connection Servers (named Horizon 7 Replica Server), follow the above procedures until you reach step 6.

2. On the *Installation Options* screen, select **Horizon 7 Replica Server**. Change any other options based on your requirements and click **Next**.



3. On the *Source Server* screen, enter the hostname or IP address of the first Horizon Connection Server (standard) and click **Next**.



4. For all subsequent installation screens, follow the procedures documented in [Horizon Connection Server Installation Steps](#), starting at step 8.

This concludes the installation of the Horizon Replica Server.