

# Installing VMWare Tools

In this post we will deploy VMWare tools that will be required for those virtual machines created within vSphere 7.

VMware Tools is a suite of utilities that enhances the performance of the virtual machines guest operating system. It also improves management of the virtual machine. Without VMware Tools installed in your guest operating system, guest performance lacks important functionality.

Download VMware Tools

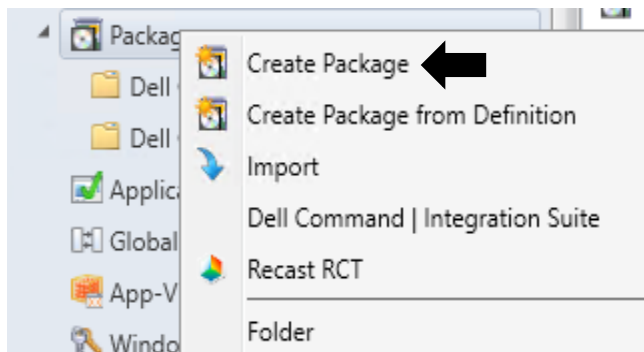
Download the latest version of VMware Tools directly from the VMware site. To download any product from VMware site, you need an account. If you already have one, sign-in or you create a new account.

[https://my.vmware.com/en/web/vmware/downloads/info/slug/datacenter\\_cloud\\_infrastructure/vmware\\_tools/11\\_x](https://my.vmware.com/en/web/vmware/downloads/info/slug/datacenter_cloud_infrastructure/vmware_tools/11_x)

<b>VMware Tools for Windows, 32-bit in-guest installer</b> File size: 36.14 MB File type: zip	
<b>Name:</b> VMware-tools-11.2.1-17243207-i386.exe.zip <b>Release Date:</b> 2020-12-10 <b>Build Number:</b> 17243207	<b>VMware Tools for Windows, 32-bit in-guest installer</b> VMware Tools for Windows, 32-bit in-guest installer <b>MD5SUM:</b> be119848406fad66ab8dcb92b9ae99d7 <b>SHA1SUM:</b> c8820ca5b81704570d8e937467e29c79cbeae075 <b>SHA256SUM:</b> a0d5410eb4e7468874b4ab288cc23ff33ce21547ab6ec94875565b2d58e837cf
<b>VMware Tools for Windows, 64-bit in-guest installer</b> File size: 85.48 MB File type: zip	
<b>Name:</b> VMware-tools-11.2.1-17243207-x86_64.exe.zip <b>Release Date:</b> 2020-12-10 <b>Build Number:</b> 17243207	<b>VMware Tools for Windows, 64-bit in-guest installer</b> VMware Tools for Windows, 64-bit in-guest installer <b>MD5SUM:</b> fa6788b7a444083602fc75b52fbba719 <b>SHA1SUM:</b> aedc47217bec5cd965075dc493145b0ce369d953 <b>SHA256SUM:</b> d6427a9d0b5249d8777d41c4e0144d212ad0c01971947503b4e90212904444f

Ensure you select the VMware Tools version (32-bit/64-bit) that you require and then click Download. Since I have got all VM's running 64-bit OS, I have downloaded 64-bit Tools package.

Now we will create a package (Standard Package)





Package

Package

Program Type

Standard Program

Requirements

Summary

Progress

Completion

### Specify information about this package

Enter a name and other details for the new package. To take full advantage of new features that include the Software Center, use an application instead.

Name:

Description:

Manufacturer:

Language:  Version:

This package contains source files

Source folder:



Program Type

Package

Program Type

Standard Program

Requirements

Summary

Progress

Completion

### Choose the program type that you want to create

Standard program  
Create a program for a client computer.

Program for device  
Create a program for a device.

Do not create a program  
Create a package, but do not create a program. You can use the Create Program Wizard to add a program later.



Standard Program

- Package
- Program Type
- Standard Program**
- Requirements
- Summary
- Progress
- Completion

Specify information about this standard program

Name:

Command line:

Startup folder:

Run:

Program can run:

Run mode:

Allow users to view and interact with the program installation

Drive mode:

Reconnect to distribution point at log on

< Previous   **Next >**   Summary   Cancel



Requirements

- Package
- Program Type
- Standard Program
- Requirements**
- Summary
- Progress
- Completion

Specify the requirements for this standard program

Run another program first

Package:

Program:

Always run this program first

Platform requirements

This program can run on any platform

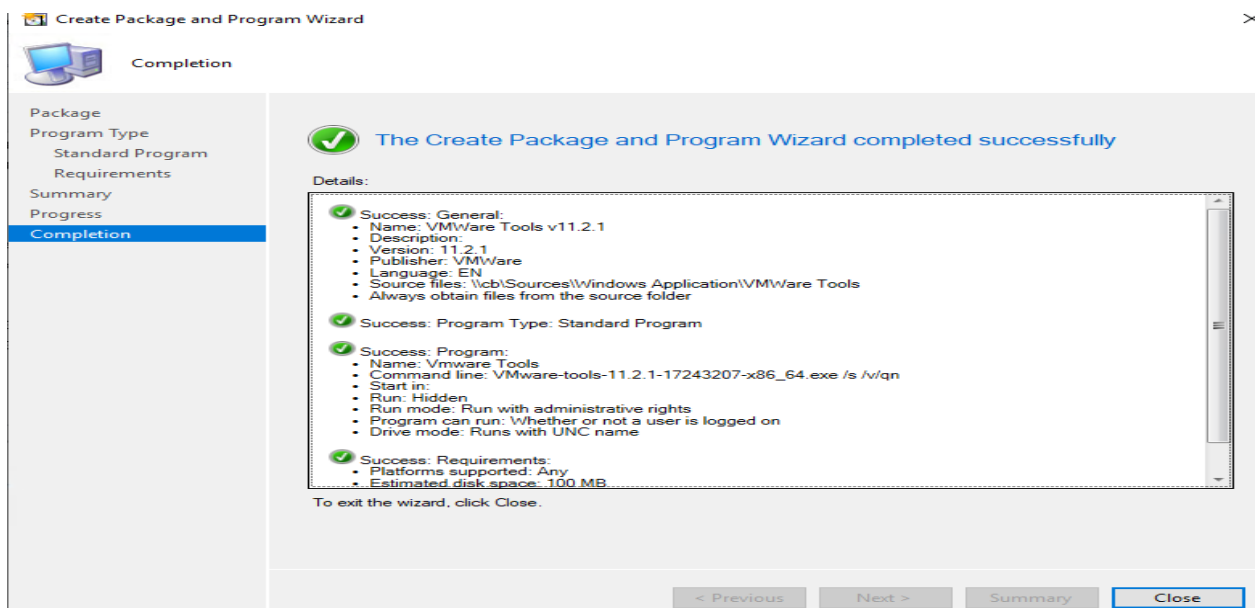
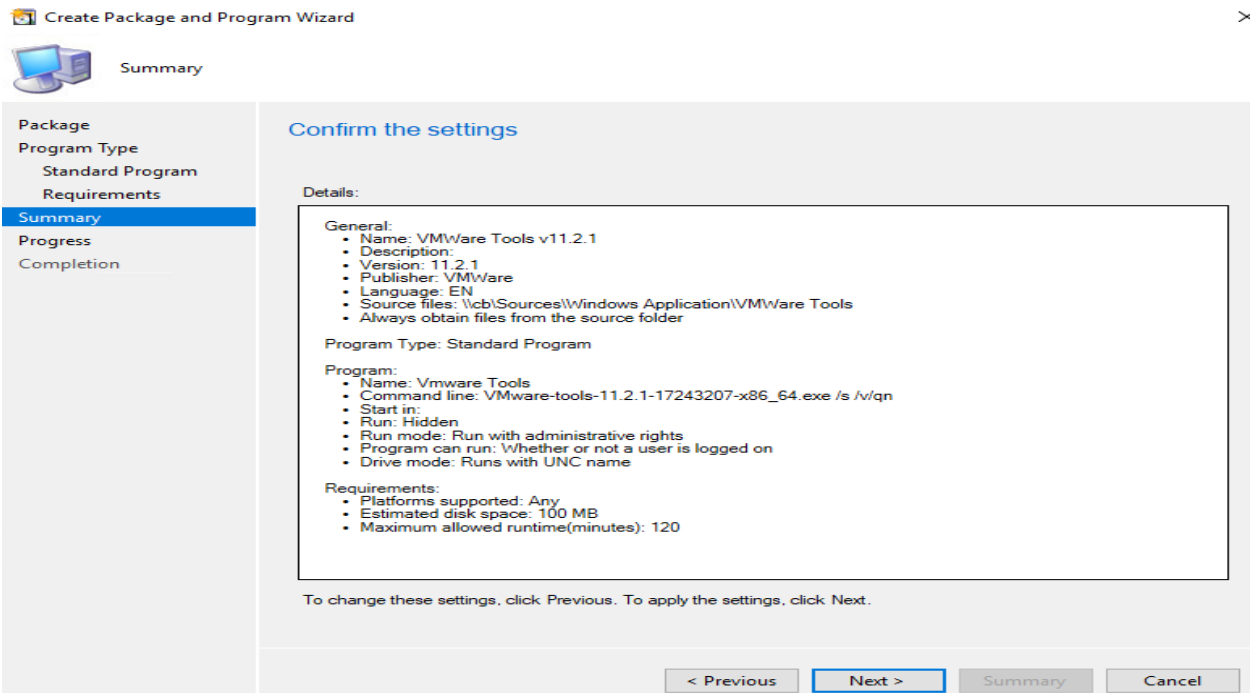
This program can run only on specified platforms

- HP-UX 11i v3 (IA64)
- HP-UX 11i v2 (PA-RISC)
- HP-UX 11i v3 (PA-RISC)
- Debian 5 (x64)
- Debian 6 (x64)
- Debian 7 (x64)
- Debian 8 (x64)
- Debian 5 (x86)
- Debian 6 (x86)
- Debian 7 (x86)

Estimated disk space:

Maximum allowed run time (minutes):

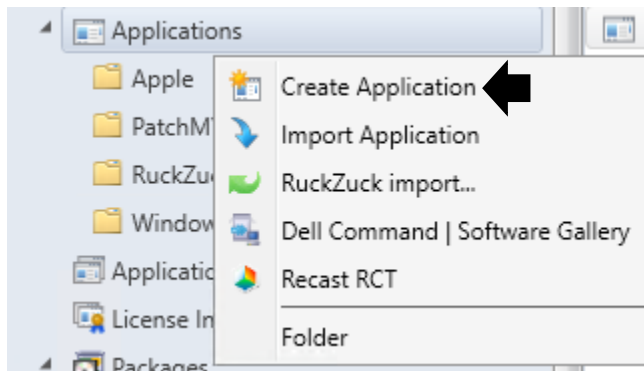
< Previous   **Next >**   Summary   Cancel



Next, distribute the package to the distribution points. Deploy the VMware Tools package to the device collection. You may first deploy it to a test collection. Login to one of the client computer. Launch the Software Center and click Install VMware Tools. Although your computer restarts the VMware Tools package installs fine.



You can also deploy VMWare tools as an application.



Create Application Wizard



General

**General**

**Specify settings for this application**

Applications contain software that you can deploy to users and devices in your Configuration Manager environment. Applications can contain multiple deployment types that customize the installation behavior of the application.

Automatically detect information about this application from installation files:

Type:

Location:

Example: \\Server\Share\File

Manually specify the application information

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General Information

General

General Information

Software Center

Deployment Types

Summary

Progress

Completion

Specify information about this application

Name:

Administrator comments:

Publisher:  Software version:

Optional reference:

Administrative categories:

Date published:

Specify the administrative users who are responsible for this application.

Owners:

Support contacts:



Software Center

General

General Information

Software Center

Deployment Types

Summary

Progress

Completion

Specify the Software Center entry

Specify information about how you want to display this application to users when they browse the Software Center. To provide information in a specific language, select the language before you enter a description.

Selected language:

Localized application name:

User categories:


User documentation:

Link text:

Privacy URL:

Localized description:

Keywords:

Icon: 

Display this as a featured app and highlight it in the company portal



- General
- General Information
- Software Center
- Deployment Types**
- Summary
- Progress
- Completion

### Configure deployment types and the priority in which they will be applied for this application

Deployment types include information about the installation method and the source files for this application.

Deployment types: Increase Priority Decrease Priority

Filter...

Priority	Name	Type	Languages
There are no items to show in this view.			



Add... Edit... Copy Delete

< Previous Next > Summary Cancel



- General**
- General Information
- Content
- Detection Method
- User Experience
- Requirements
- Dependencies
- Summary
- Progress
- Completion

### Specify settings for this deployment type

Deployment types include information about the installation method and source files for this application.

Type: Script Installer

Automatically identify information about this deployment type from installation files

Location:  Browse...  
Example: \\Server\Share\File

Manually specify the deployment type information

< Previous Next > Summary Cancel



General Information

**General**

**General Information**

Content

Detection Method

User Experience

Requirements

Dependencies

Summary

Progress

Completion

### Specify general information for this deployment type

Applications can have any number of deployment types. Deployment types include links to content and settings that specify how the content is delivered.

Name:

Administrator comments:

Languages:



Content

**General**

General Information

**Content**

Detection Method

User Experience

Requirements

Dependencies

Summary

Progress

Completion

### Specify information about the content to be delivered to target devices

Specify the location of the deployment type's content and other settings that control how content is delivered to target devices. All the contents in the path specified will be delivered.

Content location:

Persist content in the client cache

---

Specify the command used to install this content.

Installation program:

Installation start in:

---

Configuration Manager can remove installations of this content if an uninstall program is specified below.

Uninstall program:

Uninstall start in:

Run installation and uninstall program as 32-bit process on 64-bit clients.





Detection Method

- General
- General Information
- Content
- Detection Method**
- User Experience
- Requirements
- Dependencies
- Summary
- Progress
- Completion

Specify how this deployment type is detected

Specify how Configuration Manager determines whether this deployment type is already present on a device. This detection occurs before the content is installed or when software inventory data is collected.

Configure rules to detect the presence of this deployment type:

Connector	(	Clause	)



- Add Clause...
- Edit Clause...
- Delete Clause
- Group
- Ungroup
- Edit...

Use a custom script to detect the presence of this deployment type:

Script type:

Script length:

- < Previous
- Next >**
- Summary
- Cancel

Detection Rule

Create a rule that indicates the presence of this application.

Setting Type:

Specify the file or folder to detect this application.

Type:

Path:

File or folder name:

This file or folder is associated with a 32-bit application on 64-bit systems.

- The file system setting must exist on the target system to indicate presence of this application
- The file system setting must satisfy the following rule to indicate the presence of this application

Property:

Operator:

Value:

- OK**
- Cancel



Detection Method

- General
- General Information
- Content
- Detection Method**
- User Experience
- Requirements
- Dependencies
- Summary
- Progress
- Completion

Specify how this deployment type is detected

Specify how Configuration Manager determines whether this deployment type is already present on a device. This detection occurs before the content is installed or when software inventory data is collected.

Configure rules to detect the presence of this deployment type:

	Connector	(	Clause	)
▶			vmtoolsd.exe.Version GreaterEquals 11.2.1.17243...	

- Add Clause...
- Edit Clause...
- Delete Clause
- Group
- Ungroup
- Edit...

Use a custom script to detect the presence of this deployment type:

Script type:

Script length:

- < Previous
- Next >
- Summary
- Cancel



User Experience

- General
- General Information
- Content
- Detection Method
- User Experience**
- Requirements
- Dependencies
- Summary
- Progress
- Completion

Specify user experience settings for the application

Installation behavior:

Logon requirement:

Installation program visibility:

Allow users to view and interact with the program installation

Specify the maximum run time and estimated installation time of the deployment program for this application. The estimated installation time displays to the user when the application installs.

Maximum allowed run time (minutes):

Estimated installation time (minutes):

- < Previous
- Next >**
- Summary
- Cancel

Skip Requirements and Dependencies



Summary

General

- General Information
- Content
- Detection Method
- User Experience
- Requirements
- Dependencies

Summary

- Progress
- Completion

### Confirm the settings for this deployment type

Details:

General Information:

- Name: VMWare Tools 11.2.1
- Technology: Script Installer
- Administrator comments:
- Languages: English (United States)

Content:

- Content location: \\cb\sources\Windows Application\VMWare Tools
- Persist in client cache: No
- Installation program: VMware-tools-11.2.1-17243207-x86\_64.exe /s /v/qn
- Installation start in:

Detection Method:

User Experience:

- Installation behavior: Install for system if resource is device; otherwise install for user
- Login requirement: Whether or not a user is logged on
- Installation priority: Hidden
- Allow users to interact with this program: No
- Maximum allowed run time (minutes): 120
- Estimated install time (minutes): 0

Requirements:

Dependencies:

To change these settings, click Previous. To apply the settings, click Next.

- < Previous
- Next >
- Summary
- Cancel



Completion

General

- General Information
- Content
- Detection Method
- User Experience
- Requirements
- Dependencies

Summary

- Progress
- Completion

### The Create Deployment Type Wizard completed successfully

Details:

Success: General Information:

- Name: VMWare Tools 11.2.1
- Technology: Script Installer
- Administrator comments:
- Languages: English (United States)

Success: Content:

- Content location: \\cb\sources\Windows Application\VMWare Tools
- Persist in client cache: No
- Installation program: VMware-tools-11.2.1-17243207-x86\_64.exe /s /v/qn
- Installation start in:

Success: Detection Method:

Success: User Experience:

- Installation behavior: Install for system if resource is device; otherwise install for user
- Login requirement: Whether or not a user is logged on
- Installation priority: Hidden
- Allow users to interact with this program: No
- Maximum allowed run time (minutes): 120
- Estimated install time (minutes): 0

Success: Requirements:

Success: Dependencies:

To exit the wizard, click Close.

- < Previous
- Next >
- Summary
- Close



- General
- General Information
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- Summary
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- Completion

### Configure deployment types and the priority in which they will be applied for this application

Deployment types include information about the installation method and the source files for this application.

Deployment types: Increase Priority    Decrease Priority

Filter... 🔍

Priority	Name	Type	Languages
1	VMWare Tools 11.2.1	Script	English (United States)

Add...    Edit...    Copy    Delete

< Previous    Next >    Summary    Cancel



- General
- General Information
- Software Center
- Deployment Types
- Summary
- Progress
- Completion

### Confirm the settings for this application

Details:

**General Information:**

- Application name: VMWare Tools v11.2.1
- Administrator comments:
- Publisher: VMWare
- Software version: 11.2.1
- Optional reference:

**Categories:**

- Tools

**Owners:**

- Administrator

**Support contacts:**

- Administrator

Software Center entries specified for the following languages:

- en-CA

**Deployment type names:**

- VMWare Tools 11.2.1

To change these settings, click Previous. To apply the settings, click Next.

< Previous    Next >    Summary    Cancel



Completion

General

- General Information
- Software Center
- Deployment Types

- Summary
- Progress

Completion



The Create Application Wizard completed successfully

Details:

- Success: General Information:
  - Application name: VMWare Tools v11.2.1
  - Administrator comments:
  - Publisher: VMWare
  - Software version: 11.2.1
  - Optional reference:
- Success: Categories:
  - Tools
- Success: Owners:
  - Administrator
- Success: Support contacts:
  - Administrator
- Success: Software Center entries specified for the following languages:
  - en-CA
- Success: Deployment type names:
  - VMWare Tools 11.2.1

To exit the wizard, click Close.

< Previous

Next >

Summary

Close

Deploy the application to a collection and test the VMware Tools application install. Launch the Software Center and select VMware Tools. Click Install. Since the VMware Tools requires a system restart at the end of installation, the system will reboot without any notice.

Applications > Application details



VMware Tools 11.2.0 - VMware Tools

Reinstall

This concludes the process of creating a package or application to install VMWare tools.

Thanks

Ram Lan

10<sup>th</sup> Jan 2021

Note: I will provide the correct uninstall command later.