



Pulse Secure Desktop Client

Pulse Desktop Client using System Center
Configuration Manager

Deployment Guide

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Pulse Desktop Client using System Center Configuration Manager - Deployment Guide.

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Revision and Date	Added/Updated/Removed	Remarks
1.0, October 2019	Initial documentation	

Contents

Purpose of this Guide.....	5
Prerequisites.....	5
Configuration	6

Purpose of this Guide

This guide describes how to configure Pulse Desktop Client using System Center Configuration Manager (SCCM).

Prerequisites

This guide assumes you are familiar with the use of the following products or documents and their related terminology.

- Windows
- Pulse Desktop Client 9.1R3
- 64-bit Installer
- Batch File
- Pre-configuration File

Configuration

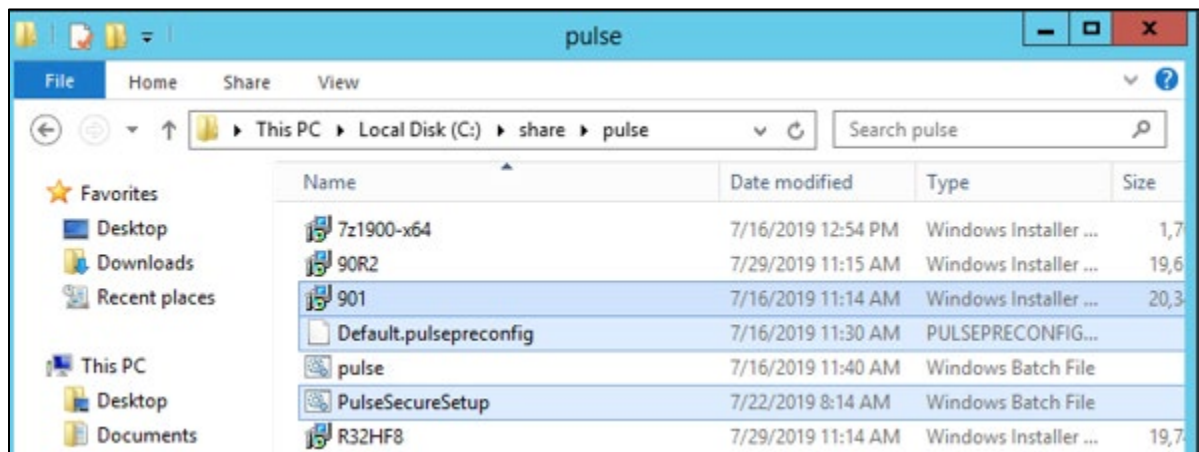
Perform the following steps to configure the Pulse Desktop Client using SCCM:

1. The batch file includes the commands to install Pulse Desktop Client. The commands included in the batch file are listed below.

```
mkdir c:\pulse\  
copy 901.msi c:\pulse\  
copy Default.pulsepreconfig c:\pulse\  
msiexec /i "C:\pulse\901.msi" CONFIGFILE="C:\pulse\Default.pulsepreconfig"  
/l*v "%windir%\Logs\PulseSecure_Install.log" /qn
```

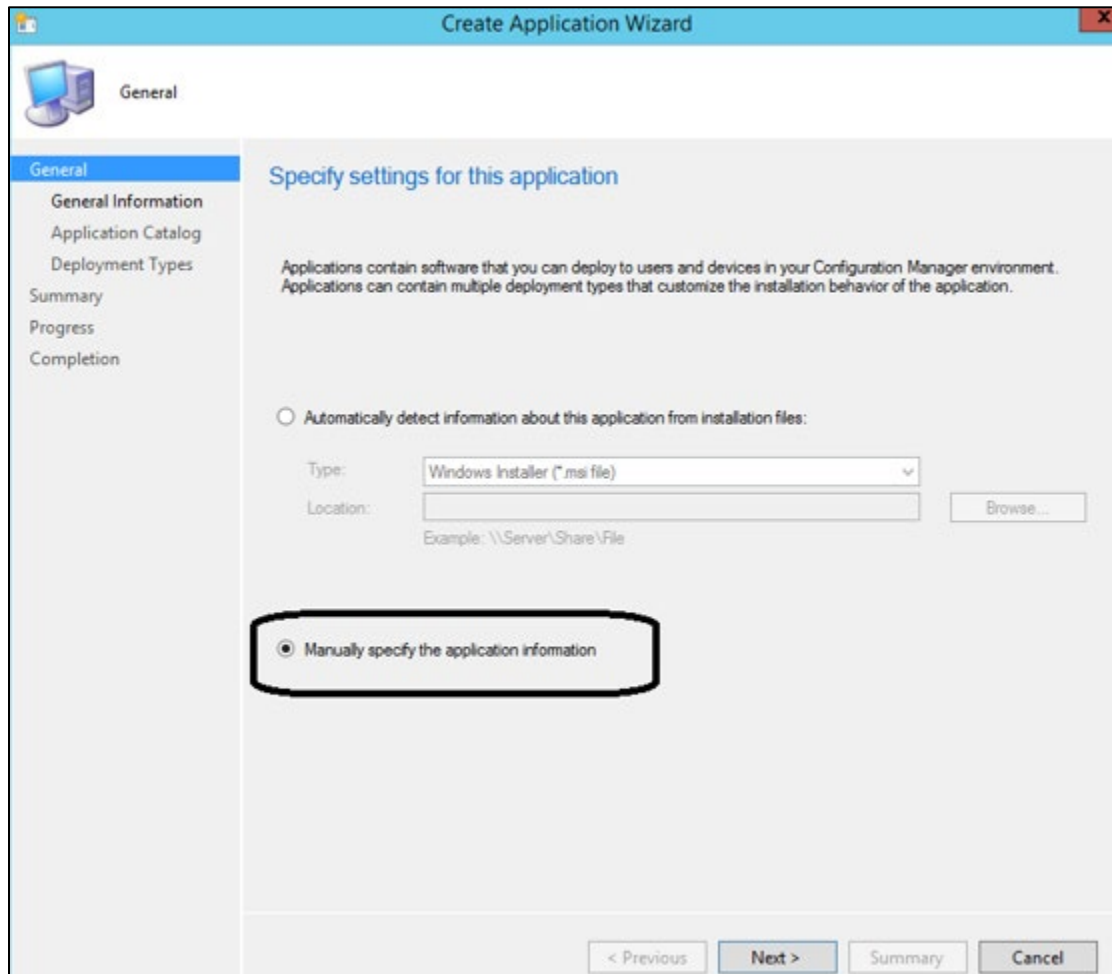
Copy the commands to a file and save it with .bat extension.

Figure 1: Location to place the required files



Go to **Software Library > Overview > Application Management > Applications**. Launch configuration manager console. Following screen appears:

Figure 2: Create Application Wizard



2. Create a new application and select **Manually specify the application information**. Click **Next**. Following screen appears:

Figure 3: General Information

General Information

Specify information about this application

Name: Pulse Secure Desktop 9.1R3

Administrator comments:

Publisher: Pulse Secure Software version: 9.1.3

Optional reference:

Administrative categories: Select...

Date published: 8/28/2019

Specify the administrative users who are responsible for this application.

Owners: administrator; admin Browse...

Support contacts: administrator; admin Browse...

< Previous Next > Summary Cancel

3. Specify the application information and click **Next**. Following screen appears:

Figure 4: Application Catalogue

Application Catalog

General
General Information
Application Catalog
Deployment Types
Summary
Progress
Completion

Specify the Configuration Manager Application Catalog entry

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

Selected language: English (United States) default Add/Remove...

Localized application name: Pulse Secure Desktop 9.1R3

User categories: Edit...

User documentation: Browse...

Link text:

Privacy URL:

Localized description:

Keywords:

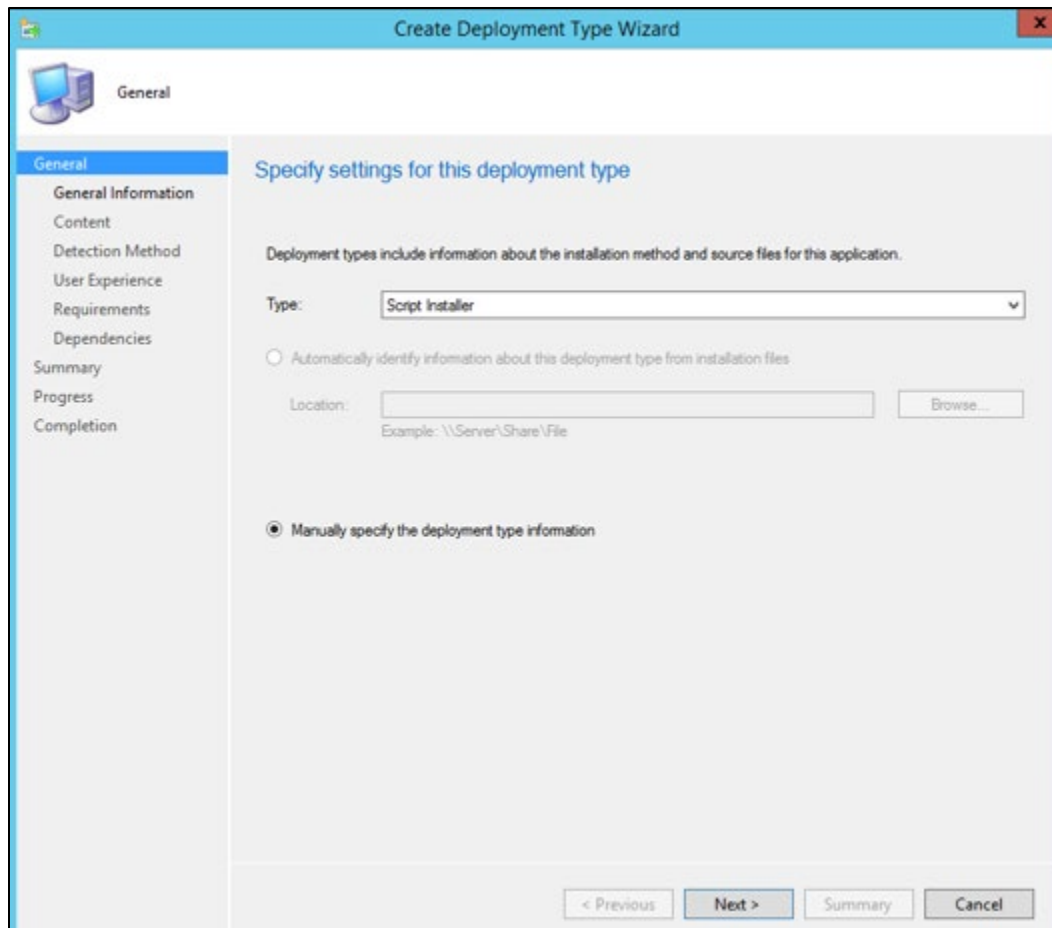
Icon: Browse...

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

< Previous Next > Summary Cancel

- Specify the information about the application under Application Catalog. Click **Next**. Following screen appears:

Figure 5: General - Settings



5. Select a new deployment type from the **Type** drop-down box. Select **Manually specify the deployment type information**. Click **Next**. Following screen appears:

Figure 6: General Information

The screenshot shows the 'Create Deployment Type Wizard' window with the 'General Information' step selected. The window title is 'Create Deployment Type Wizard'. The left sidebar lists the following steps: General, General Information (selected), Content, Detection Method, User Experience, Requirements, Dependencies, Summary, Progress, and Completion. The main area is titled 'Specify general information for this deployment type' and contains the following fields:

- Name:** A text box containing 'Pulse Secure Desktop 9.1R3'.
- Administrator comments:** A text area with up and down arrow buttons on the right.
- Languages:** A list box with up and down arrow buttons on the right, and a 'Select...' button to its right.

At the bottom of the window, there are four buttons: '< Previous', 'Next >', 'Summary', and 'Cancel'.

- Specify the name of the application. Click **Next**. Following screen appears:

Figure 7: Content

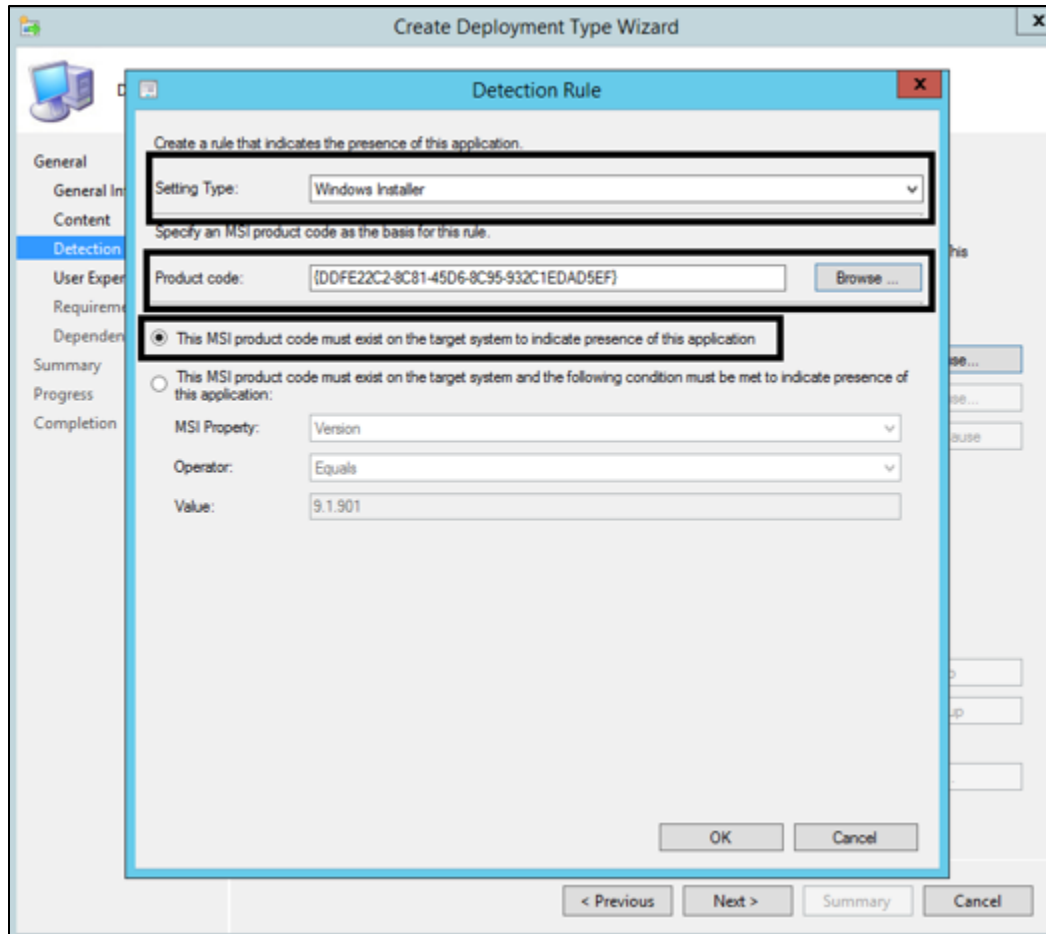
The screenshot shows the 'Create Deployment Type Wizard' window, specifically the 'Content' step. The window title is 'Create Deployment Type Wizard'. The left sidebar shows the following steps: General, General Information, Content (selected), Detection Method, User Experience, Requirements, Dependencies, Summary, Progress, and Completion. The main area is titled 'Specify information about the content to be delivered to target devices'. Below this, there are three sections:

- Content location:** A text box containing '\\accm\share\pulse' and a 'Browse...' button.
- Specify the command used to install this content:** A text box containing '"PulseSecureSetup.bat"' and a 'Browse...' button.
- Configuration Manager can remove installations of this content if an uninstall program is specified below:** A text box containing 'msiexec /x {DDFE22C2-8C81-45D6-8C95-932C1E}' and a 'Browse...' button.

Below these sections, there is a checkbox labeled 'Run installation and uninstall program as 32-bit process on 64-bit clients.' which is currently unchecked. At the bottom of the window, there are four buttons: '< Previous', 'Next >', 'Summary', and 'Cancel'.

7. Specify **Content location**, **Installation program** and **Uninstall program** commands. Click **Next**. Following screen appears:

Figure 8: Detection Rule



8. Add a detection method to detect the presence of the application.
 - Choose the **Setting Type** as **Windows Installer**. Click **Browse**, select the msi installer and that will display the product code automatically.
 - Select the option **The MSI product code must exist on the target system to indicate presence of this application**.
 - Click **OK**.
 - Click **Next**. Following screen appears:

Figure 9: - User Experience

Create Deployment Type Wizard

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):

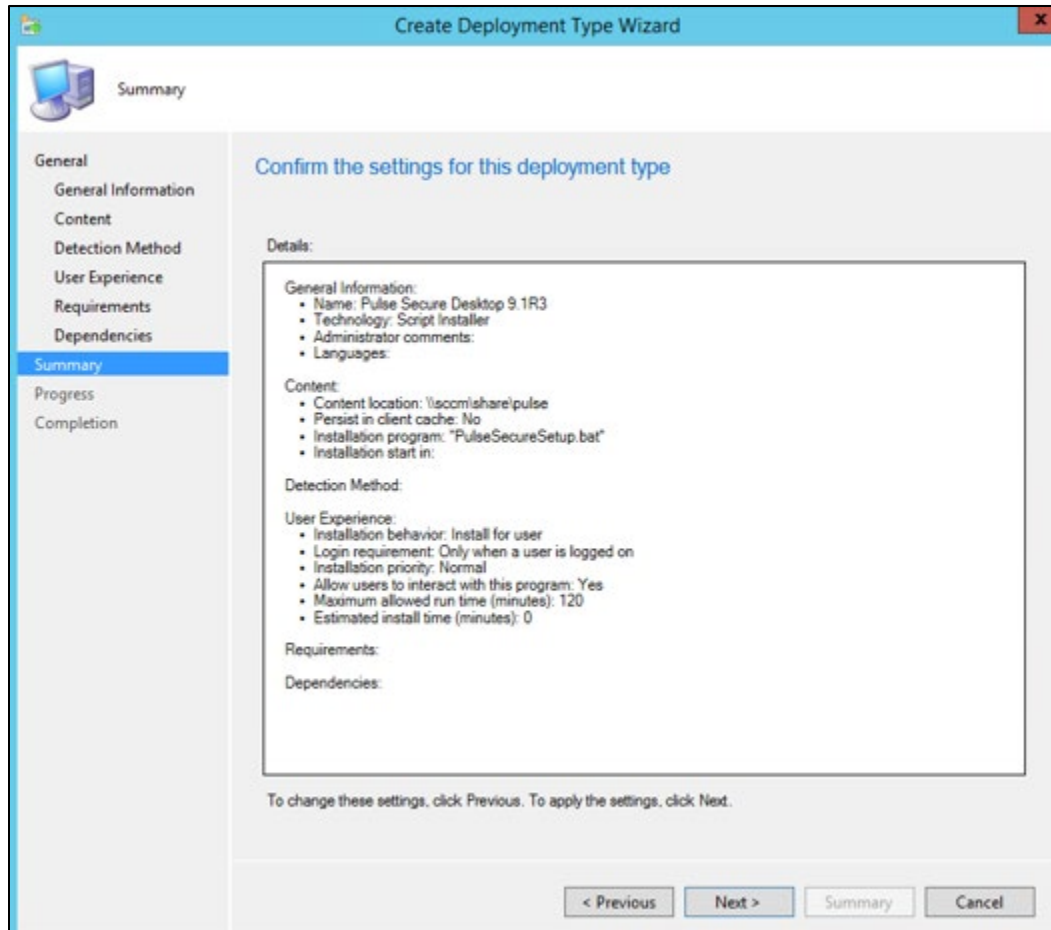
Estimated installation time (minutes):

You have selected 'Install for user' for an MSI that contains properties that may not work for user installation.

< Previous **Next >** Summary Cancel

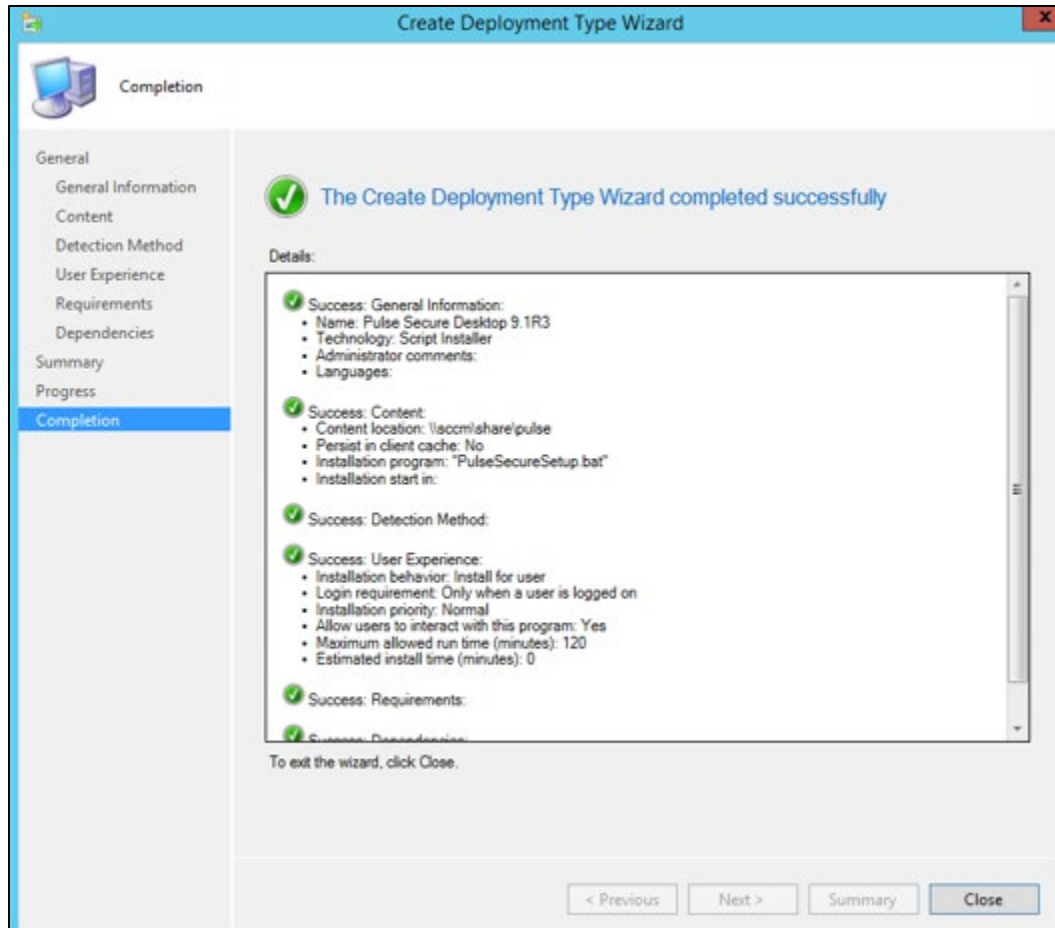
9. Specify the settings for user experience. Click **Next**. Following screen appears:

Figure 10: Summary



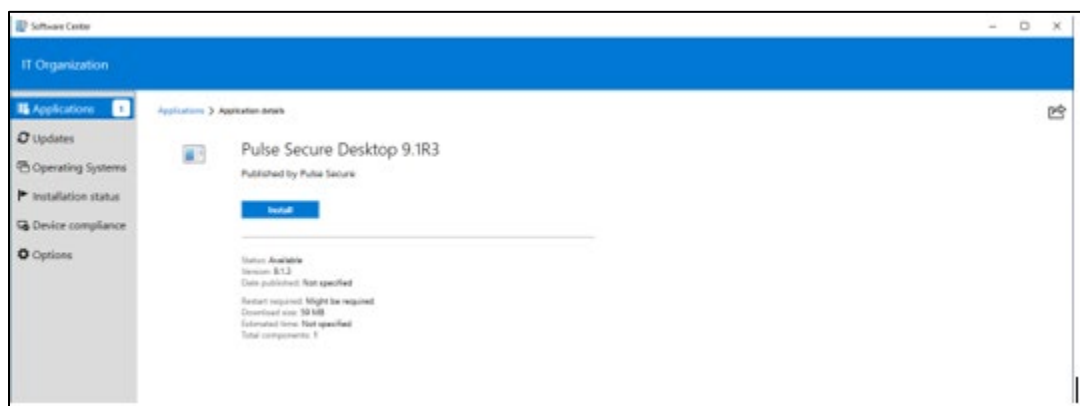
10. Keep clicking **Next** for the remaining steps till you get Completion page.

Figure 11: Completion Page



11. Click **Close**. Following page appears:

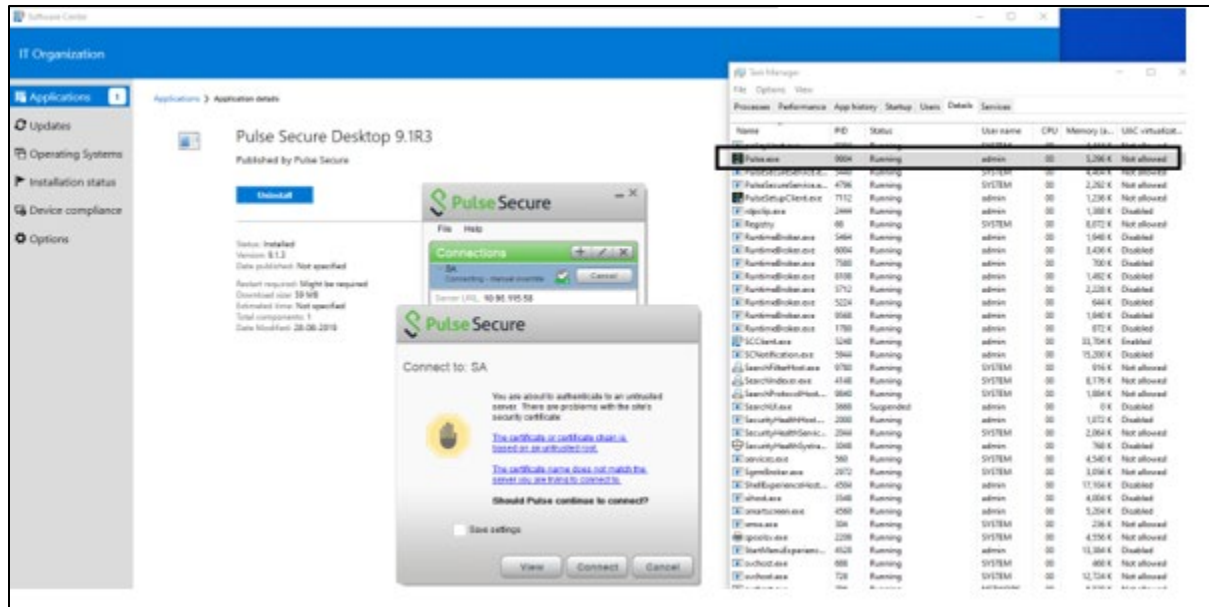
Figure 12: Pulse Desktop Client Page



You have packaged the Pulse Desktop Client using SCCM. Distribute the application to distribution point and deploy it to a device collection. When you see the application in software center, it is ready to install.

12. Click **Install** button. Following screen appears:

Figure 13: Successful Installation



After the successful installation, you can see **PULSE.exe** is running under 'admin' user context, where 'admin' is the user logged into the endpoint.

Note: **Pulse.exe** is not running under 'SYSTEM' context.

Note: For VM based deployments, if the Pulse Secure Desktop client is preinstalled on a base image and used to deploy on multiple machines, deploy the Pulse Client as per [KB25581](#)