



PrefSuite



Preference

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# PrefSuite 2016.2

# Installation Requirements

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# 1. Requirements for PrefSuite 2016.2 Installation

## 1.1. Client

### 1.1.1. Minimum

#### Hardware

- Intel or AMD type processor with 1.5 GHz.
- Graphics Card with DirectX 11.1 support.
- 2 GB of free space on hard disk required for installation.
- Monitor resolution of 1280 x 1024 pixels.

#### **If user computer not acts as Data Base Sever:**

- 8 GB of RAM.

#### **If user computer acts as Data Base Sever too (single-user):**

- 12 GB of RAM.

#### Software

- Windows 8 (no RT) or Windows 10 Pro/Enterprise with the latest updates installed.
  - For Windows 8, the following update is required:  
<https://support.microsoft.com/en-us/kb/2999226>
- .NET Framework 4.6.1.
- DirectX 11.1.
- XML 6.0.
- MDAC 6.0.
- SYNC Framework 2.0.

#### **If user computer acts as Data Base Sever too (single-user):**

- SQL Server 2012 SP2 express edition.
  - Database Engine.
  - Client.

### 1.1.2. Recommended

#### Hardware

- Intel or AMD type processor with 2 GHz or higher speed.

- Graphics Card with DirectX 11.1 support or higher.
- 16 GB of RAM.
- 2 GB of free space on hard disk required for installation.
- 20” screen with 1920 x 1080 (Full HD) resolution or higher.
- For working with PrefOne: 20” dual screen with Full HD or higher.

**If user computer acts as Data Base Sever too (single-user):**

- Intel type processor.
- SSD disks.

## Software

- Windows 10 Pro or Enterprise.
- .NET Framework 4.6.1.
- DirectX 11.1 or higher.
- XML 6.0.
- MDAC 6.0.
- SYNC Framework 2.0.

**If user computer acts as Data Base Sever too (single-user):**

- SQL Server 2014 SP1.
  - Database Engine.
  - Client.

## 1.2. Server

### 1.2.1. Minimum

#### Hardware

- Intel or AMD type processor with 1.5 GHz.
- 2 GB of free space on hard disk for PrefSuite installation.

**If the server acts as Terminal Server only:**

- One additional core for each 15 concurrent sessions.
- 512 MB of free RAM for each concurrent session supported by the server.

**If the server acts as Data Base Sever only:**

- Backup device.
- One core.

- Enough space on hard disk to accommodate data base (normally between 10 and 60 GB) and a usage of hard disk always lower than 70 %.
- 2 GB of RAM or more depending on the size of database. In most cases, with data bases of less than 4 GB in size, 2 GB of RAM should be enough. But the maximum RAM possible is recommended. Memory is also dependent on the OS limitations.

**If the server acts as both roles (Terminal Server and Data Base Server):**

- Both requirements must be added.

## Software

**If the server acts as Terminal Server only:**

- Windows Server 2012 R2 Standard or Enterprise edition with the latest updates installed.
  - It's required to have installed the following update:  
<https://support.microsoft.com/en-us/kb/2999226>
- .NET Framework 4.6.1.
- DirectX 11.1.
- XML 6.0.
- MDAC 6.0.
- SYNC Framework 2.0.

**If the server acts as Data Base Sever only:**

- Windows Server 2012 R2 Standard or Enterprise edition.
- SQL Server 2012 SP2.
  - Database Engine.
  - Client.

## 1.2.2. Recommended

### Hardware

- Intel or AMD type processor with 2 GHz or higher speed.
- 2 GB of free space on hard disk for PrefSuite installation.

**If the server acts as Terminal Server only:**

- One additional core for each 10 concurrent sessions.
- 750 MB of free RAM for each concurrent session supported by the server.

**If the server acts as Data Base Sever only:**

- Backup device.
- Intel type processor with 4 cores.
- SSD disks with RAID configuration.

- A RAID volume with independent disks for data files and another RAID volume with independent disks for log files.
- Enough space on hard disk to accommodate data base (normally between 10 and 60 GB) and a usage of hard disk always lower than 70 %.
- 4 GB of RAM or more depending on the size of database and number of users. In most cases, a database less than 10 GB in size with 7-10 users, 4 GB of RAM should be enough. But the maximum RAM possible is recommended. Memory is also dependent on the OS limitations.

**If the server acts as both roles (Terminal Server and Data Base Server):**

- Both requirements must be added.

## Software

**If the server acts as Terminal Server only:**

- Windows Server 2012 R2 Standard or Enterprise edition with the latest updates installed.
  - It's required to have installed the following update:  
<https://support.microsoft.com/en-us/kb/2999226>
- .NET Framework 4.6.1.
- DirectX 11.1 or higher.
- XML 6.0.
- MDAC 6.0.
- SYNC Framework 2.0.

**If the server acts as Data Base Sever only:**

- Windows Server 2012 R2 Standard or Enterprise edition.
- SQL Server 2014 SP1 Standard or Enterprise edition.
  - Database Engine.
  - Client.

## 2. Additional modules requirements

### 2.1. PrefOne

For the moment PrefOne has been tested in virtualized environments with Citrix and VMware with graphics cards in passthrough mode. We will update this information with Windows Server 2016 Discrete Device Assignment (DDA) from the first quarter of 2017.

#### 2.1.1. Minimum

##### Hardware

- Intel or AMD type processor with 1.5 GHz.
- Graphics Card with DirectX 11.1 support and 1 GB of memory.
- 4 GB of RAM.
- 3 Mbps for cable Internet access.
- HSDPA (3.5G) with 3.6 Mbps for mobile communications.
- Monitor resolution of 1024 x 768 pixels.

##### Software

- Windows 8 (no RT) or Windows 10 with the latest updates installed and Internet Explorer.

#### 2.1.2. Recommended

##### Hardware

- 6th Generation Intel Core i5 or i7.
- CPU-Integrated Graphics Card (6<sup>th</sup> Generation Core i5<sup>1</sup> or i7<sup>2</sup>) with DirectX 12 support.
- 8 GB of RAM or more.
- 6 Mbps for cable Internet access.
- LTE (4G) for mobile communications.
- Monitor resolution of 1920 x 1080 (full HD) pixels.

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<sup>1</sup> <http://ark.intel.com/es-es/products/family/88393/6th-Generation-Intel-Core-i5-Processors#@All>

<sup>2</sup> <http://ark.intel.com/es-es/products/family/88392/6th-Generation-Intel-Core-i7-Processors#@All>

## Software

- Windows 10 with the latest updates installed.

## 2.2. Minimum requisites for PrefCIM

### 2.2.1. Client

#### Hardware

- Intel or AMD type processor with 2 GHz or higher speed.
- Graphic card with 2D and 3D acceleration.
- 4 GB of free space on hard disk.
- 2 GB of RAM.
- Monitor resolution of 1024 x 768 pixels or higher and 256 colors (8 bits).
- Barcode scanner. Checked the correct operation of the following models:
  - MOTOROLA LS1203 HANDS FREE STAND with USB connection and serial port.
  - PSC QUICKSCAN 6500 PLUS with USB connection.
- A network adapter appropriate for the type of network you are connecting: local area or wireless, and access to an appropriate network infrastructure. Access to third-party networks may require additional charges.

#### Software

- Windows 8.1 or Windows 10 with the latest updates installed.
  - For Windows 8.1 it's required to have installed the following update:  
<https://support.microsoft.com/en-us/kb/2999226>
- Silverlight 5.

### 2.2.2. Server

#### Hardware

- Intel or AMD type processor with 1.5 GHz or higher speed.
- 6 GB of RAM on Windows Server 2012 R2 Standard Edition.
- 4 GB of free space on hard disk.
- Ethernet network card.
- It is very important to install the driver provided by the maker for your graphic card and keep updated with the last version available of DirectX components. The standard VGA driver provided by Windows to ensure backwards compatibility will work properly.



## Software

- Windows Server 2012 R2 Standard Edition with the latest updates installed.
  - It's required to have installed the following update:  
<https://support.microsoft.com/en-us/kb/2999226>
- IIS 8.5.