PTC Windchill Server Specifications

Introduction

The purpose of this document is to identify the minimum requirements/specifications to run the Windchill application and database on a **Server**. These requirements should allow optimal performance when running the software. The specifications are categorised by the expected number of users. For a user count larger than 50, a customised specification can be developed in co-operation with productONE.

The information provided by productONE in this document is for general information purposes only. All information is provided in good faith, however we make no representation or warranty of any kind, express of implied, regarding the accuracy, adequacy, validity, reliability, availability or completeness of any information in the document.

It is possible to install Windchill in the following configurations:

	Server 1	Server 2
Option 1	Application and vaults	Database
Option 2	Application, vaults and database	

software
valued software

support
valued support

services
valued services

Hence the table below indicates the requirements for the individual components (excluding Operating System and other server requirements) as well as a recommended specification should all components be installed on a single server.

General requirements

Component	Requirement
Operating System	Windows Server 2016+
Graphics Card	Windows compatible 2GB+ VRAM
Network	Microsoft TCP/IP Ethernet Network Adapter

software
valued software

support
valued support

services
valued services

Specifications influenced by number of users:

Up to 10 CAD users	Minimum			Recommended		
	Application and vault Requirement	Database Requirement	Single Server Spec	Application and vault Requirement	Database Requirement	Single Server Spec
Main Memory (RAM)	8 GB	4 GB	16 GB	16GB	8GB	32 GB
CPU			Intel: 4 Cores @2.60GHz; 8 logical processors AMD: EPYC Server CPU with 8 logical processors			Intel: 8 Cores @2.30GHz; 16 logical processors AMD: EPYC Server CPU with 8 cores
Storage (HDD, SSD or SAS)	1TB	500GB	2TB	2TB	1TB	4TB

software
valued software

support
valued support

services
valued services

Up to **50** CAD users	Minimum			Recommended		
	Application and vault Requirement	**Database Requirement**	**Single Server Spec**	**Application and vault Requirement**	**Database Requirement**	**Single Server Spec**
Main Memory (RAM)	12 GB	8 GB	32 GB	24GB	16GB	64 GB
CPU			Intel: 8 Core @2.60GHz; 16 logical processors AMD: EPYC Server CPU with 16 logical processors			Intel: 16 Core @3.00GHz; 32 logical processors AMD: EPYC Server CPU with at least 32 logical processors
Storage	2TB	1TB	4TB	2TB	1TB	4TB