



System Requirements

This document lists the hardware and software requirements for Chuckwalla v5.8 software. Chuckwalla v5.8 consists of multiple software components that may be installed on one or more Windows Server computers. Here is the list of Chuckwalla v5.8 components:

- Chuckwalla Server
- Chuckwalla SDK
- Chuckwalla Console Manager
- Chuckwalla NetClient
- Chuckwalla Windows Desktop
- Chuckwalla Macintosh Desktop Carbon

Following optional components are available from Chuckwalla:

- Chuckwalla Hot Folder
- Chuckwalla Report Manager
- Chuckwalla ContentConnect for Microsoft CMS 2002

Chuckwalla v5 Server

Software Requirements

Chuckwalla Server requires Windows 2003 or 2000 Server operating system. Chuckwalla Desktop for Windows requires Windows 2003/2000 Professional or Windows XP Professional.

Chuckwalla Desktop for Macintosh requires Apple OS X.

Following additional software must be installed on the Windows Server computers for Chuckwalla Server to operate successfully:

- Microsoft .NET Framework Version 1.1
- Apple QuickTime 6.0, (*Recommended Version required*)
- Adobe Graphics Server 2.0, *for image transformation*
- Microsoft Office 2000, *optional, for Microsoft Office documents only*
- Virage VideoLogger, *optional, for pre-processing video*

Following additional software must be installed on the Windows Desktop computers for Chuckwalla Windows Desktop to operate successfully:

- Apple QuickTime 6.0, (*Recommended Version required*)
- Microsoft Office 2000, *optional, for Microsoft Office documents only*



Hardware Requirements

Chuckwalla Server can be configured in a variety of combinations to help you meet your performance and capacity goals. Here are recommended configurations, each with its own hardware specifications.

Standard (Enterprise) Configuration

This configuration is suited for up to 100 concurrent user sessions of moderate activity (3 requests per minute per user session). You will need 2 Windows Server computers, each with the following minimum specifications:

- Intel Xeon 3.6 GHz, dual processors
- 2 GB RAM Minimum (4Gb Recommended)
- 100/1000 Mbps network adapter with Gigabit capability
- 36 GB ATA internal hard disk storage min
 - For better performance, use 15K RPM SCSI hard drives in a Raid 1 or Raid 5 configuration for asset repository.

Chuckwalla Software is to be installed in the following configuration:

Computer A

- Chuckwalla Object Server
- Chuckwalla Preview Generator Dispatcher
- Chuckwalla Web Updater Dispatcher
- Chuckwalla Hot Folder (*Chuckwalla SDK required*)

Computer B

- Chuckwalla NetClient (*Chuckwalla SDK required*)
- Chuckwalla Report Manager (*Chuckwalla SDK required*)
- Chuckwalla Console Manager

Microsoft SQL 2005/2000 Server may be optionally installed on computer A, or you may choose to use an independent installation of the SQL 2005/2000 Server.

It is possible to further upgrade computer A by using 4-way processors.

Computer B can continue to have dual processors. In this case, you may support up to 200 concurrent user sessions. If more than 200 sessions are required, it is advisable to add replicas of computer B.



Modular Configuration

This configuration is suited for up to 25 concurrent user sessions of moderate activity (3 requests per minute per user session). You will need 1 Windows Server computer with the following minimum specifications:

- Intel Xeon 3.0 GHz, dual processors
- 2 GB RAM
- 10/100 Mbps network adapter
- 36 GB ATA internal hard disk storage
 - For better performance, use 15K RPM SCSI hard drives in a Raid 1 or Raid 5 configuration for asset repository.

Chuckwalla Software is to be installed in the following configuration:

- Chuckwalla Object Server
- Chuckwalla Preview Generator Dispatcher
- Chuckwalla Web Updater Dispatcher
- Chuckwalla Hot Folder (*Chuckwalla SDK required*)
- Chuckwalla NetClient (*Chuckwalla SDK required*)
- Chuckwalla Report Manager (*Chuckwalla SDK required*)
- Chuckwalla Console Manager

Microsoft SQL 2005/2000 Server may be optionally installed on this computer, or you may choose to use an independent installation of the SQL 2005/2000 Server.

Developer Configuration

This configuration is suited for up to 2 concurrent user sessions of moderate activity (3 requests per minute per user session). You will need 1 Windows Server computer with the following minimum specifications:

- Intel Pentium 1 GHz
- 1 GB RAM
- 10/100 Mbps network adapter
- 36 GB ATA internal hard disk storage

Chuckwalla Software is to be installed in the following configuration:

- Chuckwalla Object Server
- Chuckwalla Preview Generator Dispatcher
- Chuckwalla Web Updater Dispatcher
- Chuckwalla Hot Folder (*Chuckwalla SDK required*)
- Chuckwalla NetClient (*Chuckwalla SDK required*)
- Chuckwalla Report Manager (*Chuckwalla SDK required*)
- Chuckwalla Console Manager



Data Center Configuration

This configuration is suited for up to 200 concurrent user sessions of moderate activity (3 requests per minute per user session). You will need 3 Windows Server computers, each with the following specifications:

- Intel Xeon 3.6 GHz, dual processors
- 2 GB RAM, recommend 4GB for the machines B and C
- 100/1000 Mbps network adapter with Gigabit capability
- 36 GB ATA internal hard disk storage
 - For better performance, use 15K RPM SCSI hard drives in a Raid 1 or Raid 5 configuration for asset repository.

Chuckwalla Software is to be installed in the following configuration:

Computer A

- Chuckwalla Object Server

Computer B

- Chuckwalla Preview Generator Dispatcher
- Chuckwalla Web Updater Dispatcher
- Chuckwalla Hot Folder (*Chuckwalla SDK required*)

Computer C

- Chuckwalla NetClient (*Chuckwalla SDK required*)
- Chuckwalla Report Manager (*Chuckwalla SDK required*)
- Chuckwalla Console Manager

Microsoft SQL 2005/2000 Server may be optionally installed on computer A, or you may choose to use an independent installation of the SQL 2005/2000 Server.

It is possible to further upgrade the performance by using 4-way processors. In this case, you may combine computers A and B into a single computer. Computer C can continue to have dual processors. If more than 200 concurrent user sessions are required, it is advisable to add replicas of computer C.

Chuckwalla v5 Clients

Chuckwalla Desktop for Windows

Processor: 233-MHz Pentium 4 CPU or better (1Ghz Pentium-class CPU recommended)

Operating System: Windows XP, Windows 2003 or Windows 2000 Professional

Hard Disk: 32 Mbytes of free disk space

Memory: 128 Mbytes of RAM, 256 Mbytes recommended



Hardware components: Video graphics adapter that supports hi-color modes
Network components: Network adapter (such as Ethernet or token ring)
Network components: TCP/IP software
Programs: Apple QuickTime 6 or later, Microsoft Office 2000, optional, for Microsoft Office documents only

Chuckwalla Desktop for Macintosh

Processor: PowerPC (G4 recommended)
Operating System: OS 10.3 or later
Hard Disk: 32 Mbytes of free disk space
Memory: 128 Mbytes of RAM, 256 Mbytes recommended
Programs: Apple QuickTime 6 or later

Chuckwalla NetClient

Macintosh

Processor: Macintosh PowerPC
Operating system: Mac OS X version 10.4 or later.
Memory: 128 MB of RAM.
Hard disk: 20 MB of available hard disk space.
Programs: Apple Safari 2.0+, Apple QuickTime version 6 or later.
Note: Plug-in for drag and drop upload must be manually installed for Safari.

Windows

Processor: Pentium class CPU
Operating system: Windows XP, 2003, 2000
Memory: 32 Mb RAM
Hard disk: 16Mb RAM for browser installation.
Programs: Microsoft Internet Explorer 5.x/6.x/7.x, Apple QuickTime version 6 or later.