

System Requirements

To ensure optimal operation, it is recommended to install the CardioLog application and database on dedicated servers.

Make sure that your system meets the following minimum hardware and software requirements:

	Standard/Professional	Enterprise
Platform	32-bit or 64-bit	64-bit
Operating System	Windows 2003 Server Windows 2003 Server R2 Windows 2008 Server Windows 2008 Server R2	Windows 2003 Server Windows 2003 Server R2 Windows 2008 Server Windows 2008 Server R2
Memory*	4 GB	Minimum** - 8GB Recommended - 16 GB
Processors*	2xQUAD	Minimum** - 2xQUAD Recommended - 4xQUAD
SQL Edition	SQL Server 2005 Standard SQL Server 2008 Standard	Minimum** - SQL Server 2005 Standard SQL Server 2008 Standard Recommended - SQL Server 2005 Enterprise SQL Server 2008 Enterprise
SQL Memory	2 GB	8 GB
SQL Processors	2xQUAD	Minimum** - 2xQUAD Recommended - 4xQUAD
SQL Storage		
System Disk	10 GB	10 GB
Page File Disk	10 GB	10 GB
Database Disk	Pro: ~150 GB per year Standard: ~50 GB per year	~300 GB per year and up
RAID	Raid 5/10 or similar	Raid 5/10 or similar
Additional Software & Services	<ul style="list-style-type: none"> • Microsoft .Net Framework 2.0 • IIS 6.0 or IIS 7.0 or IIS 7.5 	<ul style="list-style-type: none"> • Microsoft .Net Framework 2.0 • IIS 6.0 or IIS 7.0 or IIS 7.5

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| • Internet Explorer 6.0 or higher | • Internet Explorer 6.0 or higher |
| • SQL Server 2005/2008
Command Line Query Utility | • SQL Server 2005/2008
Command Line Query Utility |
| • SQL Server 2005 Backward
Compatibility Components | • SQL Server 2005 Backward
Compatibility Components |
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* This refers to hardware allocated for the CardioLog application pool and services (and not for the CardioLog SQL server)

** For up to 2,000,000 page views per month

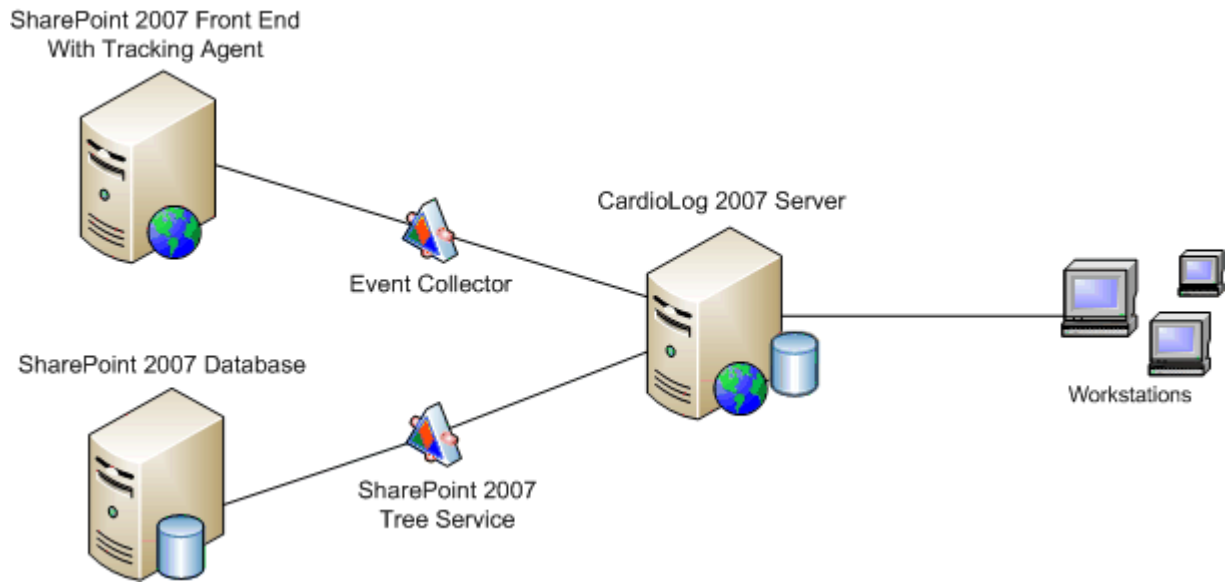
CardioLog 2007 Architecture

The CardioLog 2007 solution includes the following separate components:

UI	A web application for configuring and viewing the web analytic reports. Hosted on the CardioLog 2007 server.
Database	A repository for storing all tracking and reporting data. Hosted on the CardioLog 2007 server.
Portal Tree Service	A web service which provides the structure of the monitored environment. CardioLog 2007 includes several off-the-shelf portal tree services, such as the SharePoint 2007 Tree Service.
Tracking Agent	A JavaScript tag which is included in the portal pages and which captures site usage. CardioLog 2007 includes several off-the-shelf tracking agents, such as the MOSS 2007 Agent.
Event Collector	A web service which sends tracking data from the tracking agent to the main CardioLog 2007 database.
Offsite Application	A web application which sends tracking data captured by tracking agents in DMZ - to the Offsite database.
Offsite Database	A repository of tracking data in DMZ.
User Categorization Service	A web service which provides custom visitor data.

Sample Configuration

This is a basic CardioLog 2007 configuration for an intranet-based SharePoint 2007 environment:



For performance reasons, it is recommended to separate CardioLog 2007 from the monitored environment and install it on a designated server.

SQL Database Sizing

Hard disk allocation depends on the size of the monitored environment and the level of activity taking place in the portal. Additional factors that should be considered are the backup and clean-up policies and the amount of data accumulated over time. For example, an installation with 270MB of monitored data per day requires a total disk space of about 100GB - for a single year of data.

In practice, the estimated database size depends on the size of the CardioLog 2007 event tables. The following formula depicts the sizing calculation for the database:

$$\mathbf{Sd = (Srd + Sri) \times Nu \times (Ns \times 10 + Ne) \times P}$$

Where:

Sd = estimated size of the database

Srd = average size of data per event (0.806 KB)

Sri = average size of index per event (0.666 KB)

Nu = number of users in the monitored environment

Ns = average number of search operations per day per user (each search operation generates 10 events)

Ne = average number of non-search operations (actions, views, etc.) per day per user (each non-search operation generates 10 events)

P = length of the monitoring period – in days