

## **HiTrack 4 Web Companion Overview**

The HiTrack 4 Web Companion is a 32-bit Microsoft .NET Framework 3.5, ASP.NET 2.0 web application designed to operate on a Windows-based server platform. The client is web-based, and designed to operate with modern web browsers such as Internet Explorer, Mozilla Firefox, and Google Chrome.

The HiTrack 4 Merge Companion is a small tool (100KB) that can be downloaded on client computers to automate merging from screening equipment software. The Merge Companion uses a Web Service to upload and merge locally stored equipment data files.

This document details the specific requirements needed to install a server to host the HiTrack 4 Web Companion, the system requirements for HiTrack clients, and provides some security suggestions.

## **Server Requirements**

The HiTrack 4 Web Companion requires two Microsoft server technologies: (1) Microsoft SQL Server to store patient data. (2) Microsoft Internet Information Services (IIS) to present the web pages to the clients. These two technology components can either reside together on one server or be split up to run on two separate servers. Server clustering for the technologies is also supported, provided that you license the appropriate clustering support from Microsoft.

### **SQL Server Requirements**

- Microsoft Windows 2003 Server operating system or newer.
- Microsoft SQL Server 2005 or newer.
- Both Windows Authentication and Mixed Mode security models are supported.
- Hardware minimum requirements match those that Microsoft recommends for the operating system and SQL Server edition that you choose. Requirements will scale upwards from there for large amounts of data and large numbers of users. A minimum of 4 GB of system memory is recommended.

### **Internet Information Services (IIS) Requirements**

- Microsoft Windows 2003 Server or newer.

- Microsoft Internet Information Services software. This software comes with the operating systems mentioned above.
- Microsoft .NET Framework 3.5 with available service packs.
- A SSL certificate for the IIS web server to provide encrypted web access. A certificate is not included with HiTrack and may require an annual fee from a certificate authority.
- Hardware minimum requirements match those that Microsoft recommends for the operating system edition that you choose. Requirements will scale upwards from there for large amounts of data or large numbers of users. A minimum of 4 GB of system memory is recommended.

## Security Notes

- Of the two software components that HiTrack relies on, only the IIS Server needs to be available to the clients. The SQL Server only needs to be accessible by the IIS component.
- The HiTrack 4 Web Companion provides built-in Username/Password authentication for the application. Additional authentication can be added to the web pages through IIS. IIS allows you to use an additional level of Username/Password authentication, or you can add certificate authentication.
- HiTrack does not require that clients be able to access the general Internet. You can isolate your IIS server and clients behind a firewall or you can use VPN tunneling to connect the clients through a firewall to the server

## Web Client Requirements

The HiTrack 4 Web Companion client interface is entirely web-driven and accessed via the web browser installed on the client's computer.

- Windows Vista or newer operating system.
- Modern Web Browser: IE 11+, Firefox 27+, Chrome 32+.
- The HiTrack web application site must be added to the Internet Explorer "Trusted Sites" list and "Automatic prompting for file downloads" must be enabled for Trusted Sites.
  - To do this in Internet Explorer go to the HiTrack Web site and select Tools and then Internet Options. From here select the Trusted Site icon from the Security tab. After selecting the icon click the Sites button to open the Trusted Sites list that allows you to add the HiTrack site.
  - To allow prompting for downloads click on the Custom Level... button for the Trusted Sites zone. Enable automatic prompting by filling in the radio button under the Downloads section.
- JavaScript must be enabled for the HiTrack web application site.

- Popup windows must be allowed for the HiTrack web application site.
  - Most browsers provide feedback if a pop-up is blocked. The option to "Always allow for this site" should be used.
- A PDF viewer (i.e. Adobe Reader) if using the Reports feature.
- Microsoft Office Word with DOCX support is required for Letters.
- Microsoft .NET Framework 2.0 is required on client computers where users choose to use the Merge Companion upload tool.
  - The Merge Companion provides automated upload features and renames screening equipment merge files as they are processed.