



## Technical Overview of Webbsoft Education Packs

### Product Overview

Webbsoft bundles various combinations of its **Swinger** and **Snapper** family of Windows-based software products for use in schools.

**SwingerTeacher** and **SwingerStudent** are designed to facilitate the video based analysis and development of physical skills. The fundamental differences between **SwingerTeacher** and **SwingerStudent** are that **SwingerTeacher** has the ability to capture video from a DV camera and has advanced analysis tools. **SwingerStudent** is designed for use by students. It cannot capture video but has most of the analysis tools of **SwingerTeacher**.

The **Snapper** products are designed to facilitate analysis of the performance of participants of games, drama, dance etc. For use in schools, **SnapperLite** and **SnapperPlayer** provide a good combination of powerful analysis tools.

### Licensing

All **Webbsoft** products are licensed using a smart card. This is sometimes called a dongle and resembles a USB memory stick. A smart card can contain licensing information for any, or a combination of **Webbsoft** products. However, each smart card usually contains licensing for only one product. Each product can be licensed on a time limited basis, or in perpetuity.

To facilitate licensing across a network, a smart card can contain information about the number of concurrent copies of an application that can be run simultaneously. Education bundles usually contain multiple **SwingerStudent** licenses on a single smart card. This smart card is used to license **SwingerStudent** on computers connected to a network. Although this discussion is concerned with the licensing of **SwingerStudent**, the same method can be used for all of **Webbsoft's** products.

Normally, a smart card used for products like **SwingerTeacher** or **Snapper** has a single license for only one application on it and is used by teachers on a laptop or desktop computer. These licenses can easily be transferred between computers by moving the smartcard from one computer to another. The smartcard must be plugged into, and remain in the computer for the application to run.

**Webbsoft Server** is an application which reads the licensing information on a smart card and manages the network users who are running the applications licensed by the smart card. **Webbsoft Server** is installed on a server or 'teacher' computer that all **SwingerStudent** client computers on a network can see. The **SwingerStudent** smart card is plugged into the server and each time **SwingerStudent** is opened on a client computer, a request will go to **Webbsoft Server** to check if a license is available. If a license is available, the application will open on the client computer. If the maximum number of licenses is already in use, the client computer will be placed in a queue waiting for a license to become available.

### Computer Requirements for Webbsoft Server

Webbsoft Server is designed to operate on the following operating systems:

- Microsoft Windows 2000
- Microsoft Windows XP (Home and Professional)
- Microsoft Windows Server 2003

The computer running Webbsoft Server requires a network connection and a USB port.

If the network is being used to transfer video as well as perform the licensing function, it is strongly recommended that the network be able to support a data rate of 100 Mbps or faster.

## Webbsoft Server – Stand-alone Application or Windows Service

**Webbsoft Server** can be installed as either a true Windows Service, or as a stand-alone application.

When installed as a Windows Service, the Service will run in the background, regardless of whether a user is logged into the computer or not. The Windows service has an associated Win32 application which is used to control the service.

When installed as a stand-alone application, **Webbsoft Server** must be running each time you wish to use it. As this requires a user with admin privileges to be logged into the computer, the use of the Windows Service version is recommended.

Detailed instructions for both types of **Webbsoft Server** installation are contained in the **Webbsoft Server** user handbook provided with the software.

## Deploying SwingerStudent with Network Licensing

There are three methods of deploying **SwingerStudent** when using network licensing

1. **SwingerStudent** can be installed individually on each computer.
2. **SwingerStudent** can be installed on a computer that is used to create hard disk images for client computers. The image containing **SwingerStudent** can be deployed in the normal way. **SwingerStudent** can be installed using a silent install as part of a deployment system.

Instructions for deploying **SwingerStudent** across a network are included in the **Webbsoft Server** handbook.

## Video File Storage

**Swinger** and **Snapper** may require significant amounts of video to be stored. Video can be quite large in file size so appropriate steps need to be taken to accommodate it. To help with file size, all **Webbsoft** software is distributed with video compressors (codecs) that allow the video file size to be reduced.

For reference:

- 10 seconds of DV footage = approximately 35 Megabytes
- 10 second of compressed footage = approximately 3 Megabytes
  
- 2 hours of DV footage = approximately 28 Gigabytes
- 2 hours of compressed footage = approximately 2.8 Gigabytes.

*"... I am very happy with "Webbsoft License Server" for managing Webbsoft software across our network – it was a straight forward installation on our main server and I have no problems with it running along side the rest of the server services. It is important that the licensing software install as a service on a server, rather than an application, so there are no problems with logging on and off the server. The license monitoring software is simple and intuitive, making it easy to manage the license usage. Also, the way it allows staff to switch between local dongle licensing and network licensing ensures we always get the most out of the software."*

**Peter Griffin**  
Information and Technology Manager  
Victorian Institute of Sport



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