TabScore Installation

Prerequisites

A server PC with Windows 10 (which includes Internet Information Services (IIS) 10), .NET Framework 4.6.1 and ASP.NET 4.7

A local wireless (Wi-Fi) network, ideally using a dedicated network and router not connected to the internet

Tablets, phones or other devices with an internet browser that supports Javascript (ie any mainstream browser). For an Android full-screen locked-down browser, Fully Kiosk Browser (https://www.ozerov.de/fully-kiosk-browser/) has been used successfully

IIS Installation

To install the necessary IIS features on the server PC:

- Control Panel – Programs – Programs and Features - Turn Windows features on or off (requires Administrator privileges)

- Ensure that the following are selected:

  - .NET Framework 4.7 Advanced Services

  - Internet Information Services

  - Internet Information Services/Web Management Tools/IIS Management Console

  - Internet Information Services/World Wide Web Services

  - Internet Information Services/World Wide Web Services/Application Development Features/ASP.NET 4.7

Configure Windows Defender Firewall

To enable Port 80 on the server PC for incoming browser requests:

- Control Panel – System and Security – Windows Defender Firewall

- Advanced settings (requires Administrator privileges)

- Inbound Rules – New Rule.

- Port, TCP, Specific Local Ports = 80

- Allow, Private

- Name the rule something meaningful (eg Tabscore Port 80) and Finish

Configure Network

Various network configurations are possible. The essential requirement is that the tablet browsers can find the server PC across the router network. One approach is to use a static IP address for the server PC:

- Log on to the router and set a DHCP device reservation (static IPv4 address) for the server PC. If there is no ther network, an IP address something like 192.168.0.100 is probably suitable

- This may require the PC's physical MAC address. This can be found by opening a command prompt (cmd.exe) and typing 'ipconfig /all'

It is possible to have the server PC connected to the internet via one network and TabScore connected via another. This would require 2 networks cards (Wi-Fi or Ethernet). A configuration that has worked successfully is internet on Wi-Fi (using subnet 192.168.0.xxx) and the TabScore router on Ethernet (using subnet 192.168.2.xxx and a static IP address of 192.168.2.100 for the PC)

Configure Tablet Browser

If you've set a static IP address for the server PC, in the tablet browser use this IP address as the default URL. If IIS is working correctly, the tablet browser should display the default IIS webpage. The browser will need to be refreshed/restarted when ready to start scoring

Copy Files

Copy files and folder to the following locations, creating folders if necessary:

- TabScore folder to C:\inetpub\wwwroot

- TabScoreStarter folder to C:\Program Files (x86)

- TabScoreDB.txt to C:\Public\TabScore

Configure IIS

Open the Internet Information Services (IIS) Manager:

- Sites – Default Website – Stop

- Application Pools – Add Application Pool...

  - Name = TabScoreAppPool

  - Start applciation pool immediately

- TabScoreAppPool – Advanced Settings...

  - Enable 32-Bit Applications = True

- Sites – Add Website...

  - Site name: = TabScore

  - Application pool: = TabScoreAppPool

  - Physical path: C:\inetpub\wwwroot\TabScore

  - Start Website immediately

Modify Scoring Program

If the scoring program starts Bridgemate BCS or other wireless scoring software, point it to C:\Program Files (x86)\TabScoreStarter\TabScoreStarter.exe

In EBUScore, this is done from the BridgeMate Scoring/Admin tab and BCS Scoring Program – Browse button