

Voice Record & Playback – System Requirements

Firewalls & Proxy Servers

The VRP function records an audio stream over the internet from the user's microphone to a Macmillan media server. The recording uses a standard internet connection port (port 1935) that is allocated to Real-Time Messaging Protocol (RTMP) traffic.

In order to use the VRP feature in MEC it is essential that any firewalls in the network are configured to allow RTMP traffic on port 1935.

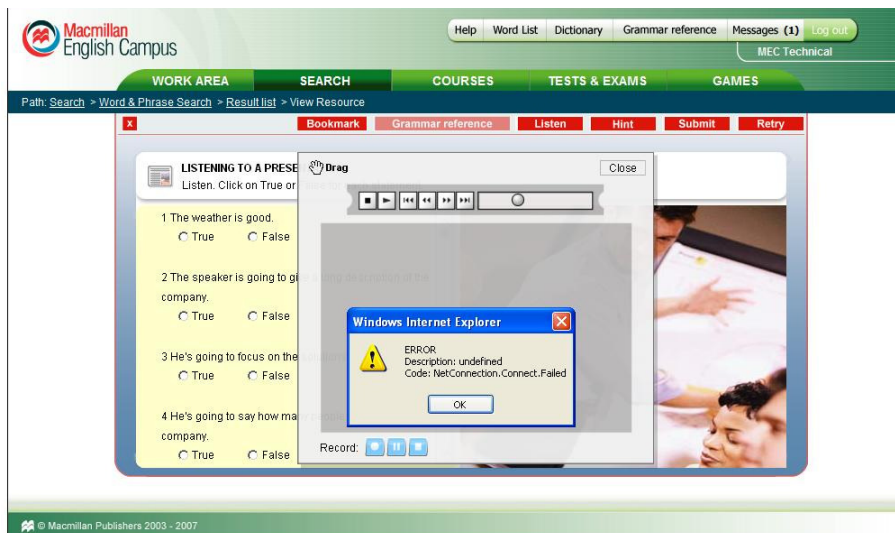


Figure 1 - Error appears when port: 1935 is blocked by firewall

With 'Stateful Inspection' firewalls, traffic is inspected and non-HTTP traffic may get rejected; potentially preventing communication over RTMP even if the proper port is open. Consult the documentation for the particular firewall to determine how to configure it to allow RTMP traffic.

Attempts to connect to the Macmillan media Server using RTMP through a proxy server may fail because most proxy servers only negotiate HTTP traffic. If this is the case then additional configuration is required on the proxy server to allow it to handle RTMP traffic.

Flash Settings

In order to use the microphone connected to the user's computer permission must be granted to the Adobe Flash Player to access this hardware.

When the user clicks on the record button for the first time they will see a Flash Settings popup. The user must click on **allow** and check the **remember** checkbox. This will instruct the Flash Player that it is allowed to access the microphone from within MEC.



If the remember checkbox is not selected then the user will be prompted to allow the microphone whenever a new exercise is opened. The user can choose to remember this setting by right-clicking on the audio player in MEC and selecting **Settings** from the list of options. This will display the same microphone permission popup box where the user can check the **Remember** checkbox.

