

Overview

The application design is a standard form-based MFC application. This dialog box has two tree controls, one for MP3s and one for speakers.

When "Refresh View" button is pressed, the application constructs two networks queries. First it submits a query for MP3s, optionally constrained by a user supplied "genre" and "artist". For example, if the user typed "Nirvana" into the "artist" field, the application would construct a query string that looks something like "query:ext='mp3' AND artist='Nirvana'". Then the application uses a network browser to submit the query. The response is a list of network objects representing the MP3s, which the application uses to populate the "music files" tree control. Next, the application submits a query for all network speakers. It uses, "query:Rpc-Class=='Speaker'", which asks for all network objects that support the "Speaker" remote procedure call interface. It uses these values to populate the speakers tree control.

When the user presses the "Play" button, the application creates a "session" on the selected music file and a session on each checked speaker. It then create a "data flow" from the music file session to the speaker sessions. The "data flow" is started, which will start the audio.

When the user presses the "Stop" button, the application stops the data flow and destroys it.

The code for this application is included and is located at 'bdk\radkit