XG Audio

Chris Lowis (BBC Radio and Music) on behalf of the members of the XG Audio Incubator Group

http://www.w3.org/2005/Incubator/audio

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“explore the possibility of starting one or more specifications dealing with various aspects of advanced audio functionality, including reading and writing raw audio data, and synthesizing sound or speech.”
Demo

http://videos.mozilla.org/serv/blizzard/audio-slideshow/

Requires a recent nightly build of Firefox. More info: https://wiki.mozilla.org/Audio_Data_API
Proposed/WIP API

Web Audio API

W3C Audio Incubator Group Proposal

Editor:
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Initial Proposal: 24 May 2010
Change History: here

Samples/Demos: here

HTML modified from File API
// Initial setup of the "long-lived" part of the routing graph
function setupAudioContext() {
    context = new AudioContext();

    compressor = context.createCompressor();
gainNode1 = context.createGainNode();

    streamingAudio = document.getElementById('audioTagID');
    streamingAudio.audioSource.connect(gainNode1);

gainNode1.connect(compressor);
compressor.connect(context.destination);
}
// Later in response to some user action (typically mouse or key event) 
// a one-shot sound can be played.

function playSound() {
  var oneShotSound = context.createBufferSource();
  oneShotSound.buffer = dogBarkingBuffer;

  // Create a filter, panner, and gain node.
  var lowpass = context.createLowPass2Filter();
  var panner = context.createPanner();
  var gainNode2 = context.createGainNode();

  // Make connections
  oneShotSound.connect(lowpass);
  lowpass.connect(panner);
  panner.connect(gainNode2);
  gainNode2.connect(compressor);

  // Play 0.75 seconds from now (to play immediately pass in 0.0)
  oneShotSound.noteOn(context.currentTime + 0.75);
}
Demos

http://slice.noteflight.com/audioXG/

http://chromium.googlecode.com/svn/trunk/samples/audio/drum-machine.html

Thanks

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