

file DefaultBrowserStreamHandler.h

DefaultBrowserStreamHandler.h

```
1 #pragma once
2 #ifndef DefaultBrowserStreamHandler_h__
3 #define DefaultBrowserStreamHandler_h__
4
5 /*****\
6 Original Author: Matthias (nitrogenycs)
7
8 Created: Feb 28, 2010
9 License: Dual license model; choose one of two:
10 New BSD License
11 http://www.opensource.org/licenses/bsd-license.php
12 - or -
13 GNU Lesser General Public License, version 2.1
14 http://www.gnu.org/licenses/lgpl-2.1.html
15
16 Copyright 2010 PacketPass, Inc and the Firebreath development team
17 \*****/
18
19 #include "BrowserStream.h"
20 #include "PluginEvents/AttachedEvent.h"
21
22 namespace FB {
23     class DefaultBrowserStreamHandler : public PluginEventSink
24     {
25     public:
26         BEGIN_PLUGIN_EVENT_MAP()
27         EVENTTYPE_CASE(FB::AttachedEvent, onStreamAttached, FB::BrowserStream)
28         EVENTTYPE_CASE(FB::DetachedEvent, onStreamDetached, FB::BrowserStream)
29         EVENTTYPE_CASE(FB::StreamCreatedEvent, onStreamCreated, FB::BrowserStream)
30         EVENTTYPE_CASE(FB::StreamDestroyedEvent, onStreamDestroyed, FB::BrowserStream)
31         EVENTTYPE_CASE(FB::StreamFailedOpenEvent, onStreamFailedOpen, FB::BrowserStream)
32         EVENTTYPE_CASE(FB::StreamOpenedEvent, onStreamOpened, FB::BrowserStream)
33         EVENTTYPE_CASE(FB::StreamDataArrivedEvent, onStreamDataArrived, FB::BrowserStream)
34         EVENTTYPE_CASE(FB::StreamCompletedEvent, onStreamCompleted, FB::BrowserStream)
35         END_PLUGIN_EVENT_MAP()
36
37         DefaultBrowserStreamHandler();
38
39         virtual
40         ~DefaultBrowserStreamHandler();
41
42         virtual bool onStreamAttached(FB::AttachedEvent *evt, FB::BrowserStream * Stream);
43         virtual bool onStreamDetached(FB::DetachedEvent *evt, FB::BrowserStream * Stream);
44         virtual bool onStreamCreated(FB::StreamCreatedEvent *evt, FB::BrowserStream * Stream);
45         virtual bool onStreamDestroyed(FB::StreamDestroyedEvent *evt, FB::BrowserStream *);
46         virtual bool onStreamDataArrived(FB::StreamDataArrivedEvent *evt, FB::BrowserStream *);
47         virtual bool onStreamFailedOpen(FB::StreamFailedOpenEvent *evt, FB::BrowserStream *);
48         virtual bool onStreamOpened(FB::StreamOpenedEvent *evt, FB::BrowserStream *);
49         virtual bool onStreamCompleted(FB::StreamCompletedEvent *evt, FB::BrowserStream *);
50         virtual const FB::BrowserStreamPtr& getStream() const;
51         virtual bool cancel();
52     protected:
53         virtual void setStream(const FB::BrowserStreamPtr& stream);
54         virtual void clearStream();
55     };
56     BrowserStreamPtr stream;
57 }
58 #endif // DefaultBrowserStreamHandler_h__
59
```

FB::DefaultBrowserStreamHandler::~DefaultBrowserStreamHandler
 virtual ~DefaultBrowserStreamHandler()
 Destructor.

Definition: DefaultBrowserStreamHandler.cpp:25
FB::DefaultBrowserStreamHandler::onStreamCompleted
 virtual bool onStreamCompleted(FB::StreamCompletedEvent *evt, FB::BrowserStream *)
 Called when the stream finished downloading successfully.

Definition: DefaultBrowserStreamHandler.cpp:75
FB::DefaultBrowserStreamHandler::DefaultBrowserStreamHandler
 DefaultBrowserStreamHandler()
 Default constructor.

Definition: DefaultBrowserStreamHandler.cpp:21
FB::StreamCreatedEvent
 This event is fired when the given stream was created.

Definition: StreamEvents.h:48
FB::DefaultBrowserStreamHandler::onStreamAttached
 virtual bool onStreamAttached(FB::AttachedEvent *evt, FB::BrowserStream *Stream)
 Called when the stream is attached to this handler (may have already been created).

Definition: DefaultBrowserStreamHandler.cpp:29
FB::DefaultBrowserStreamHandler::onStreamDetached
 virtual bool onStreamDetached(FB::DetachedEvent *evt, FB::BrowserStream *Stream)
 Called when the stream is detached from this handler (may not have been destroyed).

Definition: DefaultBrowserStreamHandler.cpp:36
FB::BrowserStream
 This is the abstract base class (interface class) for a browser stream.

Definition: BrowserStream.h:41
FB::DefaultBrowserStreamHandler::setStream
 virtual void setStream(const FB::BrowserStreamPtr &stream)
 Call to set the stream associated with this handler.

Definition: DefaultBrowserStreamHandler.cpp:85
FB::DefaultBrowserStreamHandler::onStreamFailedOpen
 virtual bool onStreamFailedOpen(FB::StreamFailedOpenEvent *evt, FB::BrowserStream *)
 Called when the stream failed to open.

Definition: DefaultBrowserStreamHandler.cpp:65
FB::DefaultBrowserStreamHandler::getStream
 virtual const FB::BrowserStreamPtr & getStream() const
 Call to get the stream associated with this handler. Returns empty shared_ptr if none.

Definition: DefaultBrowserStreamHandler.cpp:80
FB::DefaultBrowserStreamHandler::onStreamDestroyed
 virtual bool onStreamDestroyed(FB::StreamDestroyedEvent *evt, FB::BrowserStream *)
 Called when the stream is destroyed.

Definition: DefaultBrowserStreamHandler.cpp:53
FB::DefaultBrowserStreamHandler::onStreamDataArrived
 virtual bool onStreamDataArrived(FB::StreamDataArrivedEvent *evt, FB::BrowserStream *)
 Called when data arrives.

Definition: DefaultBrowserStreamHandler.cpp:59
FB::DefaultBrowserStreamHandler
 Simple implementation of a stream event handler from which you can derive your own stream events hand...

Definition: DefaultBrowserStreamHandler.h:36
FB::DefaultBrowserStreamHandler::stream
 BrowserStreamPtr stream
 stream instance, don't use yourself

Definition: DefaultBrowserStreamHandler.h:181
FB::StreamFailedOpenEvent
 This event is fired when a stream failed to open, e.g. the url was invalid or a seekable stream was r...

Definition: StreamEvents.h:120
FB::DefaultBrowserStreamHandler::onStreamOpened
 virtual bool onStreamOpened(FB::StreamOpenedEvent *evt, FB::BrowserStream *)
 Called when the stream was opened successfully.

Definition: DefaultBrowserStreamHandler.cpp:70
FB::PluginEventSink
 Plugin event sink; all objects that can receive PluginEvent s should inherit from this class...

Definition: PluginEventSink.h:36
FB::AttachedEvent
 Fired when a PluginEventSink is attached to a PluginEventSource (such as a PluginCore derived plugin ...

Definition: AttachedEvent.h:29
FB::DefaultBrowserStreamHandler::cancel
 virtual bool cancel()
 Cancels the stream.

Definition: DefaultBrowserStreamHandler.cpp:42
FB::DefaultBrowserStreamHandler::clearStream
 virtual void clearStream()
 Call to clear the stream associated with this handler.

Definition: DefaultBrowserStreamHandler.cpp:95
FB::DetachedEvent
 Fired when a PluginEventSink is detached from a PluginEventSource (such as a PluginCore derived plugi...

Definition: AttachedEvent.h:39
FB::StreamCompletedEvent
 This event is fired when a stream has completed downloading.

Definition: StreamEvents.h:148

FB::DefaultBrowserStreamHandler::onStreamCreated

virtual bool onStreamCreated(FB::StreamCreatedEvent *evt, FB::BrowserStream *Stream)

Called when the stream was created.

Definition: [DefaultBrowserStreamHandler.cpp:48](#)
