

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
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10 New BSD License
11 http://www.opensource.org/licenses/bsd-license.php
12 - or -
13 GNU Lesser General Public License, version 2.1
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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
46         virtual bool onStreamDestroyed(FB::StreamDestroyedEvent *evt, FB::BrowserStream *);
47         virtual bool onStreamDataArrived(FB::StreamDataArrivedEvent *evt, FB::BrowserStream *);
48         virtual bool onStreamFailedOpen(FB::StreamFailedOpenEvent *evt, FB::BrowserStream *);
49         virtual bool onStreamOpened(FB::StreamOpenedEvent *evt, FB::BrowserStream *);
50
51         virtual bool onStreamCompleted(FB::StreamCompletedEvent *evt, FB::BrowserStream *);
52
53         virtual const FB::BrowserStreamPtr& getStream() const;
54
55         virtual bool cancel();
56
57     protected:
58         virtual void setStream(const FB::BrowserStreamPtr& stream);
59
60         virtual void clearStream();
61
62     private:
63         BrowserStreamPtr stream;
64     };
65 }
66 #endif // DefaultBrowserStreamHandler_h__
67
```

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](#)
