

file DefaultBrowserStreamHandler.cpp

DefaultBrowserStreamHandler.cpp

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3
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11
12 Copyright 2010 PacketPass, Inc and the Firebreath development team
13 \*****/
14
15 #include "precompiled_headers.h" // On windows, everything above this line in PCH
16 #include "DefaultBrowserStreamHandler.h"
17
18 using namespace FB;
19
20 // default stream handler
21 DefaultBrowserStreamHandler::DefaultBrowserStreamHandler()
22 {
23 }
24
25 DefaultBrowserStreamHandler::~DefaultBrowserStreamHandler()
26 {
27 }
28
29 bool DefaultBrowserStreamHandler::onStreamAttached( AttachedEvent *evt, FB::BrowserStream * Stream )
30 {
31     assert(Stream != NULL);
32     setStream( ptr_cast<BrowserStream>(Stream->shared_from_this()) );
33     return false;
34 }
35
36 bool DefaultBrowserStreamHandler::onStreamDetached( DetachedEvent *evt, FB::BrowserStream * Stream )
37 {
38     clearStream();
39     return false;
40 }
41
42 bool DefaultBrowserStreamHandler::cancel()
43 {
44     FB::BrowserStreamPtr ptr( getStream() );
45     return ptr && ptr->close();
46 }
47
48 bool DefaultBrowserStreamHandler::onStreamCreated( FB::StreamCreatedEvent *evt, FB::BrowserStream*
Stream)
49 {
50     return false;
51 }
52
53 bool DefaultBrowserStreamHandler::onStreamDestroyed( FB::StreamDestroyedEvent *evt, FB::BrowserStream
*)
54 {
55     clearStream();
56     return false;
57 }
58
59 bool DefaultBrowserStreamHandler::onStreamDataArrived( FB::StreamDataArrivedEvent *evt, FB::
BrowserStream *)
60 {
61     // process data
62     return false;
63 }
64
65 bool DefaultBrowserStreamHandler::onStreamFailedOpen( FB::StreamFailedOpenEvent *evt, FB::BrowserStream
*)
66 {
67     return false;
68 }
```

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69
70 bool DefaultBrowserStreamHandler::onStreamOpened(FB::StreamOpenedEvent *evt, FB::BrowserStream *)
71 {
72     return false;
73 }
74
75 bool DefaultBrowserStreamHandler::onStreamCompleted(FB::StreamCompletedEvent *evt, FB::BrowserStream
*)
76 {
77     return false;
78 }
79
80 const FB::BrowserStreamPtr& DefaultBrowserStreamHandler::getStream() const
81 {
82     return stream;
83 }
84
85 void DefaultBrowserStreamHandler::setStream(const FB::BrowserStreamPtr& Stream)
86 {
87     if ( this->stream && Stream )
88     {
89         // attempt to overwrite the stream, strange
90         assert(false);
91     }
92     this->stream = Stream;
93 }
94
95 void DefaultBrowserStreamHandler::clearStream()
96 {
97     stream.reset();
98 }
99
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 is 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::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::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`