



Packet Ship *Streamline* Media Server

Release Note 3.1 “Antigua” Update I

Package	Version	Revision
ps-streamd	3.1.1	1
ps-index-mpeg2ts	3.1.0	1
ps-analyse-mpeg2ts	1.2.1	1



Release Note

The 3.1 “Antigua” Update 1 release of the Packet Ship Streamline media server contains a complete overhaul of the XML messaging interfaces, plus two other minor fixes:

- Replacement of old 'legacy' message handlers with a new set of messages more suited to the new architecture
- Restoring permanent stream ('broadcast') reload semantics to that of 2.3.x
- Minor change to SDP response to DESCRIBE to interoperate with Oregon Media Browser

New messaging interface

It was originally our intention to replicate the 2.3.x XMLMesh messaging interface through 'legacy' message handlers in 3.1.x, and indeed these were the only message handlers provided in 3.1.0. However this support was (a) broken and (b) could not exactly replicate 2.3.x in any case, due to a change in the underlying messaging library and (c) used concepts and names that are no longer relevant in the Antigua architecture.

We have therefore decided to implement a new, clean messaging interface in `ps-streamd` 3.1.1, providing the same features as the old interface but using more Antigua-friendly naming and consistent request-response formats. The 'legacy' messaging interface has been removed entirely.

The new messaging interface, and instructions for how to configure it in both XMLMesh and SOAP forms, are documented in a new version of *Application Note AN-SL-601: Streamline XML Messaging* which is included in this release package.

Reloading permanent streams

On a reload of the permanent stream controller (triggered by a SIGHUP, init script 'reload' or a server control message), the controller checks the configuration of each existing permanent stream ('broadcast') to see whether to leave it running or stop it and restart with the new configuration.

In 2.3.x the configuration check included the content of the playlist, so that if the playlist changed, the stream would be restarted. However in 3.1.0 the check only included the XML of the stream configuration, which includes the playlist ID but not the list of assets.

In `ps-streamd` 3.1.1 the 2.3.x semantics have been restored, so that any change in the assets comprising the playlist (including a change of length of the asset files themselves) will trigger a restart of the permanent stream.

DESCRIBE SDP response

The “a=control” line in the standard DESCRIBE response has been moved to before the “m=...” line to enable interoperation with the Oregon Media Browser, which requires it to be part of the Session Level Description rather than the Media Level Description of the SDP.