



Akamai[®] HDCore
ActionScript 3 Library &
Akamai Advanced Streaming
Plugin for OSMF
Migration Guide - For Versions Prior to 3.0

Akamai Technologies, Inc

Akamai Customer Care: **1-877-425-2832** or, for routine requests, e-mail: ccare@akamai.com
The Akamai Luna Control Center, for customers and resellers: <http://control.akamai.com>

US Headquarters
8 Cambridge Center
Cambridge, MA 02142

Tel: 617.444.3000
Fax: 617.444.3001

US Toll free 877.4AKAMAI (877.425.2624)

For a list of offices around the world, see:
<http://www.akamai.com/html/about/locations.html>

Akamai HDCore - ActionScript 3 Library and Akamai Advanced Streaming Plugin for OSMF Migration Guide For Versions Prior to 3.0

Copyright © 2013 Akamai Technologies, Inc. All Rights Reserved.

Reproduction in whole or in part in any form or medium without express written permission is prohibited. Akamai, the Akamai wave logo, Faster Forward and the names of certain Akamai products referenced herein are trademarks or service marks of Akamai Technologies, Inc. Third party trademarks and service marks contained herein are the property of their respective owners and are not used to imply endorsement of Akamai Technologies, Inc. or its services. While every precaution has been taken in the preparation of this document, Akamai Technologies, Inc. assumes no responsibility for errors, omissions, or for damages resulting from the use of the information herein. The information in these documents is believed to be accurate as of the date of this publication but is subject to change without notice. The information in this document is subject to the confidentiality provisions of the Terms & Conditions governing your use of Akamai services and/or other agreements you have with Akamai.

Migration to Version 3.x

In This Chapter 

To Whom Does this Apply? • 3

Changes from Version 2.11 (and Earlier) • 3

To Whom Does this Apply?

This guide serves as a migration document *from versions prior to 3.0* of the **Akamai HDCore ActionScript Library (HDCore)** and the **Akamai Advanced Streaming Plugin (AASP) for OSMF** -- If you were using version 2.11 (or earlier) of these components and intend to migrate to this version, this guide applies to your environment. Anyone using a 3.x version can disregard its contents.

Changes from Version 2.11 (and Earlier)

Bug Fixes with this Release

A list of the various bugs/issues fixed with this release, can be found in the “**ChangeList.txt**” file that is included in the **HDCore Zip File**.

Updates Required for this Release

The sections that follow document various requirements/conditions that apply to the update of a player, (based on the player component in use).

HDCore

- ◆ **The “ZStream” Class No Longer Exists** - In order to properly extend OSMF 2.0 in an object-oriented way, which allows us to react faster to demands and add features much quicker, this class has been removed from HDCore. However, a much more user-friendly and powerful, top-level controller class has been added: the “**AkamaiStreamController**” class. Required migration details are fully discussed in the section, *Migrating from ZStream to AkamaiStreamController* [on page 4](#).
- ◆ **The “AkamaiMediaSprite” Class No Longer Supports HDS Media Playback** - The complexities of playing HDS content, combined with the benefits of OSMF code reuse have made it necessary to deprecate this functionality. The new **AkamaiStreamController** class makes HDS playback simpler than before.
- ◆ **Upgrade of Your “delivery config” to the Latest Version may be Required** - You may experience problems with playback if you are using HDS Live with certain features, including, but not limited to, the following:
 - Time and duration as UTC
 - Sub-clipping (i.e., specifying start times in UTC)

- Various aspects of live playback (e.g., attempts to pause and resume live streams with no DVR).

If you experience problems with HDS Live playback you should try to upgrade your delivery config to the latest template. Please contact your Akamai Representative for complete details.

- ◆ **Logging is Now OFF by Default** - To enable logging, use one of the “.swc” files that include the string “-logging” as part of the file name.

Migrating from ZStream to AkamaiStreamController

The new **AkamaiStreamController** class is a powerful, non-UI controller class that enables HDS playback in just a few lines of code while providing all the power and functionality of the former **ZStream** class.

Complete details on the **AkamaiStreamController** API can be found in the API documentation included with the HDCore Zip File.

Key Differences

- ◆ **The AkamaiStreamController is not a NetStream Class** - However, it has a property called “netStream” that will allow you to get to the underlying NetStream class. Please see the “getting started” project in the “samples” folder in the HDCore Zip File for more details on working with the **netStream** property.
- ◆ **Objects are Dispatched Differently** - The **AkamaiStreamController** dispatches “AkamaiHDSEvent” objects rather than the “OvpEvent” objects that the **ZStream** class dispatched. However, the **AkamaiHDSEvent** class extends **OvpEvent** to make the transition easier. New events have been added to the **AkamaiHDSEvent** class. Please see the API documentation included with the HDCore Zip File for details.

API Differences

The following table shows the old **ZStream** API and its new **AkamaiStreamController** API equivalent:

ZStream API	Equivalent AkamaiStreamController API
maxQualityLevel	numDynamicStreams
qualityLevelAtLastLoad	actualIndex
liveBufferProfile	bufferProfile
client	netStream.client
addClientHandler	netStream.client.addHandler

Event Differences

The following table shows the old **ZStream** event and its new **AkamaiStreamController** event equivalent:

ZStream Event	Equivalent AkamaiStreamController Event
MediaErrorEvent.MediaError	AkamaiHDSEvent.ERROR
ErrorEvent.ERROR	AkamaiHDSEvent.ERROR
IOErrorEvent.Error	AkamaiHDSEvent.ERROR
SecurityErrorEvent.Error	AkamaiHDSEvent.ERROR

AASP

- ◆ **Support for OSMF Versions Prior to 2.0 has been Dropped** - If you wish to continue using OSMF 1.5 or 1.6, you will need to continue using version 2.11 of the plugin.
- ◆ **Logging is Now OFF by Default** - To enable logging, use one of the “.swf” files that include the string “-logging” as part of the file name.
- ◆ **The “ZStream” Class No Longer Exists** - If you were grabbing the ZStream instance from the load trait for advanced features, you will need to modify your player code. The “AkamaiHTTPNetStream” class now exists to replace it, which you will need to get from the load trait. This class has a property called “hdsProperties” that returns an **IHDSProperties** object, and you can get and set properties on this object, instead. Please see the API documentation included with the HDCore Zip File for the full **IHDSProperties** API.

Appendix A: Akamai Customer Support

Step 1: Open a Support Case

If you have a technical problem or question that is not covered in this documentation, or requires immediate attention, the quickest means of communicating it is to contact Akamai Customer Care by opening a support ticket:

1. Access and login to the **Akamai Luna Control Center**:

<https://control.akamai.com>

2. Click the **Support** link in the top right corner of the interface.
3. In the **OPEN A SUPPORT CASE** pane, click the **Report a Technical Issue** link.
4. Follow the prompts revealed to submit your issue.

Step 2: Contact Akamai Customer Support

The table below offers contact information that can be used to contact an Akamai Representative for support.

 **NOTE:** *Business support services are offered Monday - Friday, 7:30 AM - 8:30 PM.*

Operations Technical Support

Phone (Toll Free, 24/7):

- **1 (877) 4-AKATEC (252832)** - Click [here](#) for instructions on dialing toll-free outside the United States
- **Contact your Akamai Account Manager**

E-mail

- ccare@akamai.com - For routine technical support issues
- specialist@akami.com - For business support requests (e.g., CP Code requests, invoicing and contact-related questions)

