



**Adobe® Primetime**

# Primetime Validation Service Quick Start

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# Primetime Validation Service Quick Start

## Overview

Adobe Primetime Stream Validation Service validates HDS and HLS streams generated by in-house packaging services or by third party software and encoders for compliance with feature specifications. This service also certifies whether you can play these streams on players that conform to HDS and HLS specifications.

Use Adobe Primetime Stream Validation Service (PSVS) to validate VOD, live and linear streams before they go into production. Adobe hosts the service at the publicly accessible location <https://validate.adobeprimetime.com>. The content of this document pertains to the hosted service only.

## Using the service

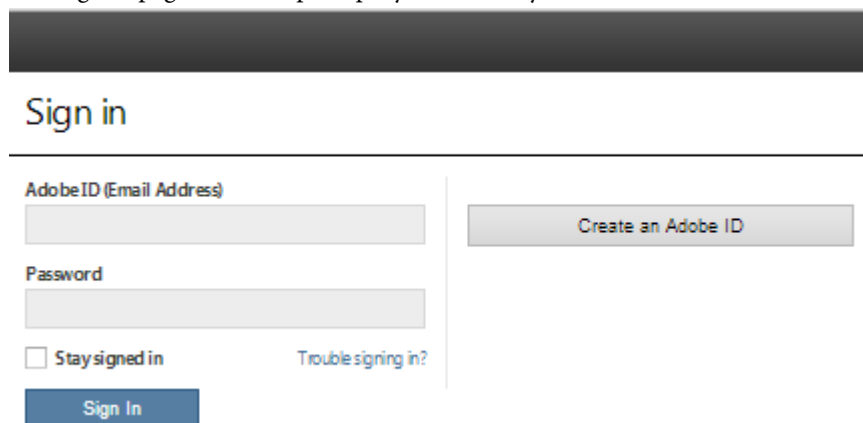
To use the hosted service, ensure that the HDS and HLS assets are accessible on the public network. In addition, the URL supplied to the service for validation should not require any authentication to fetch the assets.

## Logging in to the service

Use your Adobe ID to log in to Adobe Primetime Stream Validation Service. If you are a first time user, first create an Adobe ID.

1. Navigate to <https://validate.adobeprimetime.com>

The Sign in page for PSVS prompts you to enter your Adobe ID and Password.



2. If you are a first time user, click **Create an Adobe ID** to create an Adobe ID .
3. Enter your credentials and click **Sign In**.
  - If the authentication is successful, you are redirected to the PSVS landing page.
  - If the authentication fails, an error message is displayed on the screen with the appropriate message.
  - If you are signing in for the first time, a Terms of Use page is displayed.

## Terms of Use

**ADOBE SYSTEMS INCORPORATED**

**LICENSE AGREEMENT FOR ADOBE PRIMETIME STREAM VALIDATION SERVICE**

This License Agreement for Adobe Primetime Stream Validation Service (the "Agreement") is entered into by Adobe (as defined below) and the Customer, as identified below. The "Effective Date" of this Agreement will be the date Customer selects "Agree". Adobe and Customer agree as follows:

IMPORTANT: THIS AGREEMENT IS A LEGAL AGREEMENT BETWEEN CUSTOMER AND ADOBE. PLEASE READ IT CAREFULLY BEFORE ACCESSING OR OTHERWISE USING ADOBE PRIMETIME STREAM VALIDATION SERVICE. THIS AGREEMENT PROVIDES RESTRICTIONS AND OBLIGATIONS WITH RESPECT TO THE ADOBE PRIMETIME STREAM VALIDATION SERVICE AND OTHER CONFIDENTIAL INFORMATION. IN ADDITION, THIS AGREEMENT PROVIDES CUSTOMER WITH A LIMITED LICENSE TO USE THE ADOBE PRIMETIME STREAM VALIDATION SERVICE AS SET FORTH HEREIN AND CONTAINS WARRANTY AND LIABILITY DISCLAIMERS. BY INSTALLING AND/OR OTHERWISE USING THE ADOBE PRIMETIME STREAM VALIDATION SERVICE, CUSTOMER IS CONFIRMING ITS ACCEPTANCE OF THE TERMS AND CONDITIONS, ACKNOWLEDGING CUSTOMER HAS THE AUTHORITY TO ENTER INTO THIS AGREEMENT AND AGREES TO BE BOUND BY THE TERMS AND CONDITIONS SET FORTH IN THIS AGREEMENT.

IF CUSTOMER DOES NOT AGREE TO BE BOUND BY EACH OF THE TERMS AND CONDITIONS HEREIN, THEN CUSTOMER IS INELIGIBLE TO ACCESS AND USE THE ADOBE PRIMETIME STREAM VALIDATION SERVICE

☐ I have read and agree to the Terms of Use and Privacy Policy (UPDATED).

Accept Decline

4. Select **I have read and agree to the Terms of Use and Privacy Policy UPDATED**.
5. Click **Accept** to continue to the PSVS landing page.

## Validating HDS streams

1. Go to <https://validate.adobeprimetime.com>. The Streaming validation service page is displayed with the New Task tab active.
2. Enter the URI of the HDS stream in the Source Manifest URL text box.
3. Ensure that HDS is selected for Streaming Protocol. This is the default value.
4. If necessary, click Advanced and specify the time when validation should start. You can also specify the duration for which stream validation is to be performed.

To know more about these optional fields and how they apply to Live and VOD streams, hover your mouse pointer over the icon next to Start Time.

5. Click Validate. A new tab with the name displaying the first ten characters of Task ID becomes active.

The Task ID is a unique alphanumeric assigned by the service for the validation request. To check the validation status later, note the value of Task ID

For an ongoing validation, Status displays the value Running. Click Refresh on the top right to know the validation status. When validation is complete, Status displays the value Completed.

## Validating HLS streams

The following codecs are recognized by the Validator tool:

- Audio codecs

- AVC mp4a.40.2
- HEAAC mp4a.40.5
- MP3 mp4a.40.34
- Video codecs
  - AVC\_BASE\_3\_0 avc1.42001e
  - AVC\_BASE\_3\_0\_2 avc1.66.30
  - AVC\_BASE\_3\_1 avc1.42001f
  - AVC\_MAIN\_3\_0 avc1.4d001e
  - AVC\_MAIN\_3\_0\_2 avc1.77.30
  - AVC\_MAIN\_3\_1 avc1.4d001f
  - AVC\_MAIN\_4\_0 avc1.4d0028
  - AVC\_HIGH\_3\_1 avc1.64001f
  - AVC\_HIGH\_4\_0 avc1.640028
  - AVC\_HIGH\_4\_1 avc1.640029

To validate a HLS stream, follow these steps:

1. Go to <https://validate.adobeprimetime.com>. The Streaming validation service page is displayed with the New Task tab active.
2. Enter the URI of the HLS stream in the Source Manifest URL text box.
3. Ensure that HLS is selected for Streaming Protocol.
4. If necessary, click Advanced and specify the time when validation should start. You can also specify the duration for which stream validation is to be performed.  
  
By default, a VOD stream is validated for an hour from start of the video. In contrast, a live stream is validated for an hour starting the live edge. To know more about these optional fields and how they apply to Live and VOD streams, hover your mouse pointer over the icon next to Start Time.
5. Click Validate. A new tab with the name displaying the first ten characters of Task ID becomes active.

The Task ID is a unique alphanumeric assigned by the service for the validation request. To check the validation status later, note the value of Task ID

For an ongoing validation, Status displays the value Running. Click Refresh on the top right to know the validation status. When validation is complete, Status displays the value Completed.

## Checking status of ongoing validation

To check the status of an ongoing validation, note the task id generated when the validation started and follow these steps:

1. Go to <https://validate.adobeprimetime.com>, if it is not already opened.
2. Click the Task Status tab.
3. In the Task ID field, enter the ID. For example, enter R4YR226GNZ27NETAO03UROJAWHB5TZH0.
4. Click Get Status. A new tab is displayed with the name containing the first ten characters of Task ID you specified in step 3.

The Status field under Task Details indicates the validation status. Click Refresh to know the current validation status. When validation is complete, Status displays the value Completed.

## Checking results of a validated stream

The Status page displays the results of validation.

The page includes multiple sections. The Task Details section displays the status, summary, and features validated:

Task Details	
Task ID	SPVOKUQX10WRAVUUVUNJPXIFBIXUWG
Source Manifest	http://primetimeline-f.akamaihd.net/z/Monterey_bay@81387/manifest.f4m?hdcore=2.8.2
Validation Attributes	Start Time = 00:00:00, Duration = 00:05:00
Status	<b>COMPLETED</b> { Validation Start Time (Absolute) = 4956:35:00, Validated Duration = 00:05:06 }
Summary	57 Error(s) and 30 Warning(s)
Features Validated	Features validated: MBR, bootstrapInfo, fragments, manifest(SingleLevel).

The Report Details section lists warnings, errors, and miscellaneous information.

Report Details				
Type	Date	Time	Error Code	Description
 Warning	2014-02-21	06:24:46	30020	An unrecognized child element specified under the element of the manifest file(manifest.f4m?hdcore=2.8.2).
 Warning	2014-02-21	06:24:46	30020	An unrecognized child element specified under the element of the manifest file(manifest.f4m?hdcore=2.8.2).
 Warning	2014-02-21	06:24:46	30020	An unrecognized child element specified under the element of the manifest file(manifest.f4m?hdcore=2.8.2).
 Warning	2014-02-21	06:24:46	30020	An unrecognized child element specified under the element of the manifest file(manifest.f4m?hdcore=2.8.2).
 Warning	2014-02-21	06:24:46	30044	Attribute @fragmentDuration for the element (@id: bootstrap_4) has not been specified in the manifest file(manifest.f4m?hdcore=2.8.2). This attribute is required for HDS to HLS JIT(Just in time) conversion at Origin server.

This report is also available for download as a text file. You can obtain the direct link using the download button at top right of this section.

The Stream Details section lists information and download links for all the streams that were validated.

Stream Details	
Stream Bitrate	564
Stream Manifest URL	4_2b481d1759376075-p_
Status	<b>COMPLETED</b> { Validation Start Time (Absolute) = 4956:35:00, Validated Duration = 00:05:06 }
Stream Basic Info	<a href="http://auto.validate.adobeprimetime.com:80/tasks/SPVOKUQX10WRAVUUVUNJPXIFBIXUWG/hdsvalidator_S">http://auto.validate.adobeprimetime.com:80/tasks/SPVOKUQX10WRAVUUVUNJPXIFBIXUWG/hdsvalidator_S</a>
Stream Content Info	<a href="http://auto.validate.adobeprimetime.com:80/tasks/SPVOKUQX10WRAVUUVUNJPXIFBIXUWG/hdsvalidator_S">http://auto.validate.adobeprimetime.com:80/tasks/SPVOKUQX10WRAVUUVUNJPXIFBIXUWG/hdsvalidator_S</a>
Stream Bootstrap Info	<a href="http://auto.validate.adobeprimetime.com:80/tasks/SPVOKUQX10WRAVUUVUNJPXIFBIXUWG/hdsvalidator_S">http://auto.validate.adobeprimetime.com:80/tasks/SPVOKUQX10WRAVUUVUNJPXIFBIXUWG/hdsvalidator_S</a>