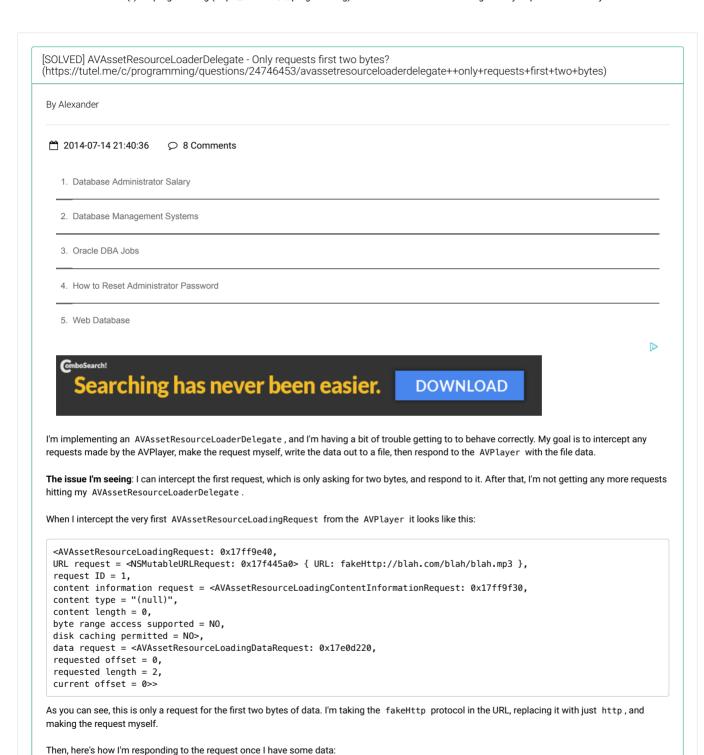
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https://tutel.me/c/programming/questions/24746453/avassetresourceloaderdelegate++only+requests+first+two+bytes

```
- (BOOL)resourceLoader:(AVAssetResourceLoader *)resourceLoader shouldWaitForLoadingOfRequestedResource:(AVAssetResourceLoadingRequest *)loadingRequest {
    //Make the remote URL request here if needed, omitted

    CFStringRef contentType = UTTypeCreatePreferredIdentifierForTag(kUTTagClassMIMEType, (__bridge CFStringRef)([self.response MIMEType]), NULL);
    loadingRequest.contentInformationRequest.byteRangeAccessSupported = YES;
    loadingRequest.contentInformationRequest.contentType = CFBridgingRelease(contentType);
    loadingRequest.contentInformationRequest.contentLength = [self.response expectedContentLength];

    //Where responseData is the appropriate NSData to respond with
    [loadingRequest.dataRequest respondWithData:responseData];

    [loadingRequest finishLoading];
    return YES;
}
```

I've stepped through this and verified that everything in the contentInformationRequest is filled in correctly, and that the data I'm sending is NSData with the appropriate length (in this case, two bytes).

No more requests get sent to my delegate, and the player does not play (presumably because it only has two bytes of data, and hasn't requested any more).

Does anyone have experience with this to point me toward an area where I may be doing something wrong? I'm running iOS 7.

Edit: Here's what my completed request looks like, after I call finishedLoading:

```
<AVAssetResourceLoadingRequest: 0x16785680,
URL request = <NSMutableURLRequest: 0x166f4e90> { URL: fakeHttp://blah.com/blah/blah.mp3 },
request ID = 1,
content information request = <AVAssetResourceLoadingContentInformationRequest: 0x1788ee20,
content type = "public.mp3",
content length = 7695463,
byte range access supported = YES,
disk caching permitted = NO>,
data request = <AVAssetResourceLoadingDataRequest: 0x1788ee60,
requested offset = 0,
requested length = 2,
current offset = 2>>
```

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2 comments



@Alexander @ 2014-07-16 23:40:24

Circling back to answer my own question in case anyone was curious.

The issue boiled down to threading. Though it's not explicitly documented anywhere, AVAssetResourceLoaderDelegate does some weird stuff with threads.

Essentially, my issue was that I was creating the AVPlayerItem and AVAssetResourceLoaderDelegate on the main thread, but responding to delegate calls on a background thread (since they were the result of network calls). Apparently, AVAssetResourceLoader just completely ignores responses coming in on a different thread than it was expecting.

I solved this by just doing everything, including AVPlayerItem creation, on the same thread.



@Alexander @ 2014-07-16 23:42:19

As an aside, the simulator is a bit more forgiving in these situations than an actual device. Some threading setups would work on the simulator then totally fail on a device. But from what I can tell, everything that works on an actual device works on the simulator.



@Chris Vasselli @ 2015-12-17 21:55:23

I've been banging my head against this all day. Thank you so much! =D



@Chris Vasselli @ 2015-12-17 22:08:24

One thing I also figured out: you must create the AVPlayer object on this thread as well. I was trying to use replaceCurrentItemWithPlayerItem: on an AVPlayer created on a different thread, and it didn't work.



@Serhii @ 2016-09-26 15:32:30

@Alexander, I have similar problem with strange lags when working with AVAssetResourceLoaderDelegate and AVPlayer. Is it required to create instances and respond to data requests in one thread or I also should call AVPlayer methods (play, pause, seekToTime...) in this thread?



@Alexander @ 2016-09-26 19:20:58

@Serhii AVPlayer should only be accessed by the thread it was created on, or it will start misbehaving. This includes calls like play/pause/seek/etc.



@Serhii @ 2016-09-27 16:46:53

@Alexander Thanks, it helped me!



@Michal Pietras 2014-07-14 22:13:00

This implementation works for me. It always asks for the first two bytes and then for the whole data. If you don't get another callback it means that there was something wrong with the first response you have made. I guess the problem is that you are using MIME content type instead of UTI.



@Alexander @ 2014-07-14 22:52:23

Thanks for the reply. This is exactly how I would expect this API to work, so that's encouraging that you can get it to work like that. My guess is that I'm doing something really stupid to mess it all up. I've added an edit to my original post to show a completed request. The contentType is actually in UTI format, so I don't think that's the issue.



@Michal Pietras @ 2014-07-15 09:26:05

It really looks fine and it should be working. Have you tried testing it on both the simulator and a device? AVFoundation's behavior differs slightly on iOS and OS X.



@Alexander @ 2014-07-15 16:40:48

I've tried it on a device only. The delegate doesn't get hit at all on the simulator, though I had read somewhere that this API only works on devices anyway.



@Michal Pietras @ 2014-07-15 22:40:47

It works on simulator as well, however, there are some differences. Your delegate implementation looks correct as long as you are responding with first two bytes of a valid mp3 file. Taking into account that the delegate is not getting called on the simulator at all I would suspect you have something messed up with the way you set up the delegate. It would be useful if you could share some more code.



@Alexander @ 2014-07-16 00:28:25

My mistake, it is indeed called in the simulator. I'll be making a sample app to demonstrate my issue. If I have any findings from it, I'll update here.



@Alexander @ 2014-07-16 20:38:04

I have it working great on a simulator now. But, on a device the delegate seems to act differently. After playing around a bit, I think the simulator and the device treat threads differently.



@Bruno Koga @ 2014-09-05 17:30:56

"I guess the problem is that you are using MIME content type instead of UTI." <- Thanks for that, @MichalPietras that the problem is that you are using MIME content type instead of UTI." <- Thanks for that, @MichalPietras that you are using MIME content type instead of UTI." <- Thanks for that, @MichalPietras that you are using MIME content type instead of UTI." <- Thanks for that, @MichalPietras that you are using MIME content type instead of UTI." <- Thanks for that, @MichalPietras that you are using MIME content type instead of UTI." <- Thanks for that, @MichalPietras that you are using MIME content type instead of UTI." <- Thanks for that, @MichalPietras that you are using MIME content type instead of UTI." <- Thanks for that, @MichalPietras that you are using MIME content type instead of UTI." <- Thanks for that, @MichalPietras that you are using MIME content type instead of UTI." <- Thanks for that you are using MIME content type instead of UTI." <- Thanks for that you are using the using the