

## Arvados - Bug #4589

### [API] Problem connecting using Firefox

11/19/2014 02:41 PM - Peter Amstutz

<b>Status:</b>	Resolved	<b>Start date:</b>	12/03/2014
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assigned To:</b>	Peter Amstutz	<b>% Done:</b>	100%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	2014-12-10 sprint		
<b>Description</b>			
Firefox 31+ increased SSL certificate checking in a way that seems to silently break on our self-signed development/test certificates. (I thought this was due to MD5 but on further investigation the certs are using either SHA1 or SHA256.)			
Figure out what is causing this and adjust certificate generation to fix it.			
^^^ This is wrong.			
<b>Subtasks:</b>			
Task # 4711: Find workaround			<b>Resolved</b>

#### History

##### #1 - 11/19/2014 02:43 PM - Peter Amstutz

- Description updated

##### #2 - 11/19/2014 02:44 PM - Peter Amstutz

The in the meantime we can use the workaround described here:

<http://www-01.ibm.com/support/docview.wss?uid=swg21680147&myns=swglotus&mynp=OCSSKTMJ&mync=R>

##### #3 - 11/19/2014 07:14 PM - Ward Vandewege

- Subject changed from [API] SSL certs used for development/testing should be signed with SHA1 instead of MD5 to [API] SSL certs used for development/testing should be signed with SHA2 instead of MD5

##### #4 - 11/19/2014 08:25 PM - Ward Vandewege

- Target version changed from Bug Triage to 2014-12-10 sprint

##### #5 - 11/19/2014 08:36 PM - Ward Vandewege

- Story points set to 0.5

##### #6 - 11/19/2014 08:48 PM - Peter Amstutz

- Assigned To set to Peter Amstutz

##### #7 - 11/20/2014 04:37 PM - Peter Amstutz

- Subject changed from [API] SSL certs used for development/testing should be signed with SHA2 instead of MD5 to [API] SSL certs used for development/testing are invalid when used with Firefox

- Description updated

##### #8 - 11/21/2014 08:14 PM - Peter Amstutz

This is a Firefox problem:

[https://bugzilla.mozilla.org/show\\_bug.cgi?id=1042889](https://bugzilla.mozilla.org/show_bug.cgi?id=1042889)

Also I filed a Debian bug report:

<https://bugs.debian.org/cgi-bin/bugreport.cgi?bug=770508>

It may be best to just wait and see if this gets fixed than fiddle too much with our testing infrastructure.

**#9 - 12/03/2014 03:34 PM - Peter Amstutz**

Next step is to try this: [https://developer.mozilla.org/en-US/docs/Mozilla/Debugging/HTTP\\_logging](https://developer.mozilla.org/en-US/docs/Mozilla/Debugging/HTTP_logging)

**#10 - 12/03/2014 04:29 PM - Peter Amstutz**

As far as I can tell, the problem is simply that Firefox has gotten in its head that connections to localhost:3001 should go into a black hole. Here's the workaround:

```
cd ~/.mozilla/firefox/xxxxx.default
mv cert8.db cert8.db.old
```

**#11 - 12/03/2014 05:21 PM - Peter Amstutz**

- *Subject changed from [API] SSL certs used for development/testing are invalid when used with Firefox to [API] Problem connecting using Firefox*
- *Description updated*

See note on Debian bug report:

<https://bugs.debian.org/cgi-bin/bugreport.cgi?bug=770508#20>

**#12 - 12/03/2014 05:21 PM - Peter Amstutz**

Since we have a workaround I'm going to mark this as resolved.

**#13 - 12/03/2014 05:22 PM - Peter Amstutz**

- *Status changed from New to Resolved*