

## Arvados - Bug #15118

### [keepstore] Return 5xx (not 4xx) if block is not found due to transient backend device failure

04/18/2019 08:27 PM - Tom Clegg

<b>Status:</b>	New	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assigned To:</b>		<b>% Done:</b>	0%
<b>Category:</b>	Keep	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	To Be Groomed		
<b>Description</b>			
<p>This was reported in <a href="#">#14804</a> but (judging by the code) the resulting change addressed only the specific example of Azure returning 503.</p> <p>There are many other backend failure modes where "block not found" is the wrong response, like:</p> <ul style="list-style-type: none"><li>• Azure returns 502, 418, etc. or times out</li><li>• S3 returns 5xx</li><li>• Filesystem returns EPERM</li></ul> <p>Drivers are expected to return errors that satisfy <code>os.IsNotExist()</code> when they determine that a block does not exist. It seems like the logic should be:</p> <ul style="list-style-type: none"><li>• if <i>all</i> backends return 404 (<code>os.IsNotExist(err)==true</code>), then return 404</li><li>• otherwise -- i.e., when other errors prevent us from determining whether the block exists -- return 502</li></ul>			
<b>Related issues:</b>			
Related to Arvados - Bug #14804: [keepstore] Return 5xx (not 4xx) if block is...		<b>Resolved</b>	<b>02/22/2019</b>

#### History

#1 - 04/18/2019 08:27 PM - Tom Clegg

- Related to Bug #14804: [keepstore] Return 5xx (not 4xx) if block is not found due to transient backend device failure added