

## CephFS - Feature #11174

### An MDS-specific assert that dumps cache state

03/19/2015 09:16 PM - John Spray

<b>Status:</b> New	<b>% Done:</b> 0%
<b>Priority:</b> Normal	
<b>Assignee:</b>	
<b>Category:</b> Introspection/Control	
<b>Target version:</b>	
<b>Source:</b> other	<b>Affected Versions:</b>
<b>Tags:</b>	<b>Component(FS):</b>
<b>Backport:</b>	<b>Labels (FS):</b>
<b>Reviewed:</b>	<b>Pull request ID:</b>
<b>Description</b>	
<p>There are a ton of places where we assert certain things are consistent within the MDCache+MDLog+etc state. Asserting is a good thing, but we could leave more useful stuff around than a stack trace. Things like:</p> <ul style="list-style-type: none"><li>• an MDCache dump</li><li>• an OpTracker ops in flight dump</li><li>• a clog() message</li><li>• a message to MDSMonitor to indicate our failure so that nobody has to wait for us to go laggy</li></ul> <p>This mechanism would <b>not</b> replace normal assertions for things like validity of pointers or iterators, as once those are violated we can no longer safely traverse any of our internal data structures.</p>	

#### History

#1 - 03/19/2015 09:16 PM - John Spray

- Description updated

#2 - 05/27/2016 10:29 PM - Greg Farnum

- Category changed from 47 to Introspection/Control