

mgr - Bug #38469

If installed python packages share names with mgr modules, ceph-mgr loads the wrong thing

02/25/2019 08:04 AM - Tim Serong

Status:	Pending Backport	% Done:	0%
Priority:	Normal		
Assignee:	Tim Serong		
Category:	ceph-mgr		
Target version:			
Source:		Reviewed:	
Tags:		Affected Versions:	v14.0.0
Backport:	luminous,mimic	ceph-qa-suite:	
Regression:	No	Pull request ID:	26623
Severity:	3 - minor	Crash signature:	
Description			
Before loading each mgr module, ceph-mgr sets python's sys.path to the site-packages directories, followed by the mgr module path. For example:			
ceph-mgr[25988]: 2019-02-22 11:06:05.334 7f57f8872b40 10 mgr[py] Computed sys.path '/usr/lib/python36.zip:/usr/lib64/python3.6:/usr/lib64/python3.6:/usr/lib64/python3.6/lib-dynload:/usr/lib64/python3.6/site-packages:/usr/lib/python3.6/site-packages:/usr/local/lib64/python3.6/site-packages:/usr/local/lib/python3.6/site-packages:/usr/lib64/ceph/mgr'			
This means that if there's some random python package installed on the system that has the same name as a ceph-mgr module, ceph-mgr will try to load that thing, instead of the actual ceph-mgr module. This will of course fail, and the expected mgr module will not be available (see for example https://github.com/SUSE/DeepSea/pull/1543#issuecomment-466369489).			
We can fix this by changing sys.path so the mgr module path comes before the various site-packages directories.			
Related issues:			
Copied to mgr - Backport #38531: luminous: If installed python packages share...		New	
Copied to mgr - Backport #38532: mimic: If installed python packages share na...		Resolved	

History

#1 - 02/25/2019 08:12 AM - Tim Serong

- Status changed from New to Fix Under Review
- Pull request ID set to 26623

#2 - 02/25/2019 10:41 PM - Sage Weil

- Status changed from Fix Under Review to Pending Backport

#3 - 02/28/2019 12:36 PM - Nathan Cutler

- Tags deleted (luminous,mimic)
- Backport set to luminous,mimic

#4 - 03/01/2019 01:27 PM - Nathan Cutler

- Copied to Backport #38531: luminous: If installed python packages share names with mgr modules, ceph-mgr loads the wrong thing added

#5 - 03/01/2019 01:27 PM - Nathan Cutler

- Copied to Backport #38532: mimic: If installed python packages share names with mgr modules, ceph-mgr loads the wrong thing added