CephFS - Feature #11903

libcephfs: implement read/write interface support "struct iovec"

06/06/2015 09:52 AM - Haomai Wang

Status:	Resolved	**% Done:**	0%
Priority:	Normal		
Assignee:			
Category:			
Target version:			
Source:	other	**Affected Versions:**	
Tags:		**Component(FS):**	libcephfs
Backport:		**Labels (FS):**	
Reviewed:		**Pull request ID:**	

Description

Now if qemu virtfs directly call libcephfs api, it need to retranslate iov structure to continuous buffer. We should let libcephfs read/write support iovec structure to avoid extra memcpy.

Currently it's unimplemented:
```
extern "C" int64_t ceph_ll_readv(class ceph_mount_info *cmount,
struct Fh *fh, const struct iovec *iov,
int iovcnt, int64_t off) {
return -1; // TODO:  implement
}

extern "C" int64_t ceph_ll_writev(class ceph_mount_info *cmount,
struct Fh *fh, const struct iovec *iov,
int iovcnt, int64_t off) {
return -1; // TODO:  implement
}
```

History

#1 - 06/06/2015 09:52 AM - Haomai Wang

- Category set to 24

#2 - 06/08/2015 12:48 PM - John Spray

- Project changed from Ceph to CephFS

- Category changed from 24 to 44

#3 - 11/13/2015 02:29 PM - Haomai Wang

- Status changed from New to Resolved

#4 - 07/13/2016 12:58 AM - Greg Farnum

- Component(FS) libcephfs added