

Vector read: current status

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Large scale test

- Patch was applied to a tranche of WNs (2017-dell)
- No disastrous results so far

Issues

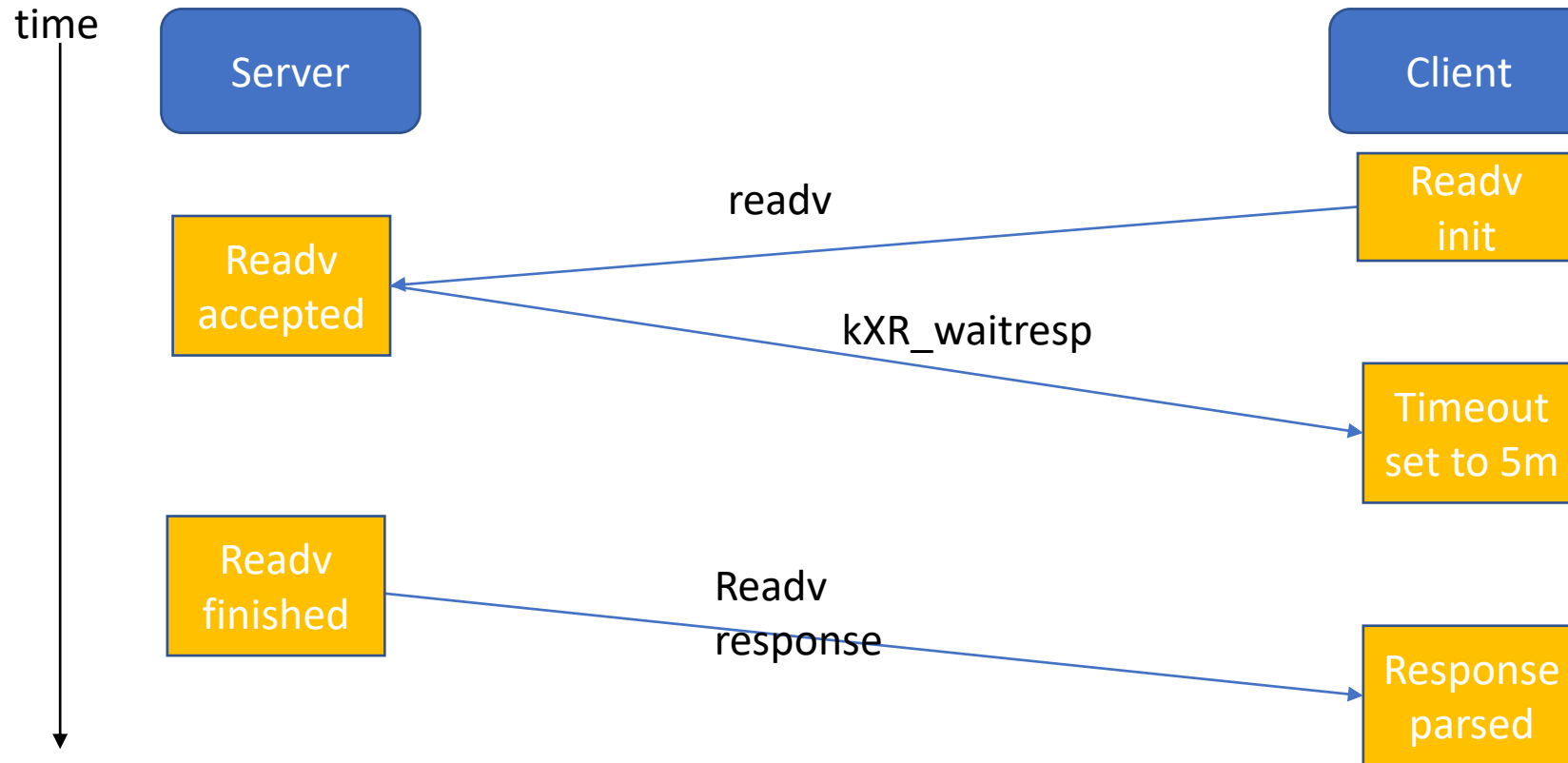
- A job failed due to readv issues

```
230419 09:53:16 924 Xrd: UnpackReadVResp: Inconsistency: pos_from 0 respdatalen 9378548 i 0 nbuf 486
230419 09:58:21 924 Xrd: UnpackReadVResp: Inconsistency: pos_from 0 respdatalen 9909313 i 0 nbuf 469
230419 10:03:27 924 Xrd: UnpackReadVResp: Inconsistency: pos_from 0 respdatalen 9909313 i 0 nbuf 469
230419 10:08:32 924 Xrd: UnpackReadVResp: Inconsistency: pos_from 0 respdatalen 10384558 i 0 nbuf 451
```

- The job was using xrootd v.3 client
- This client is incompatible with current patch

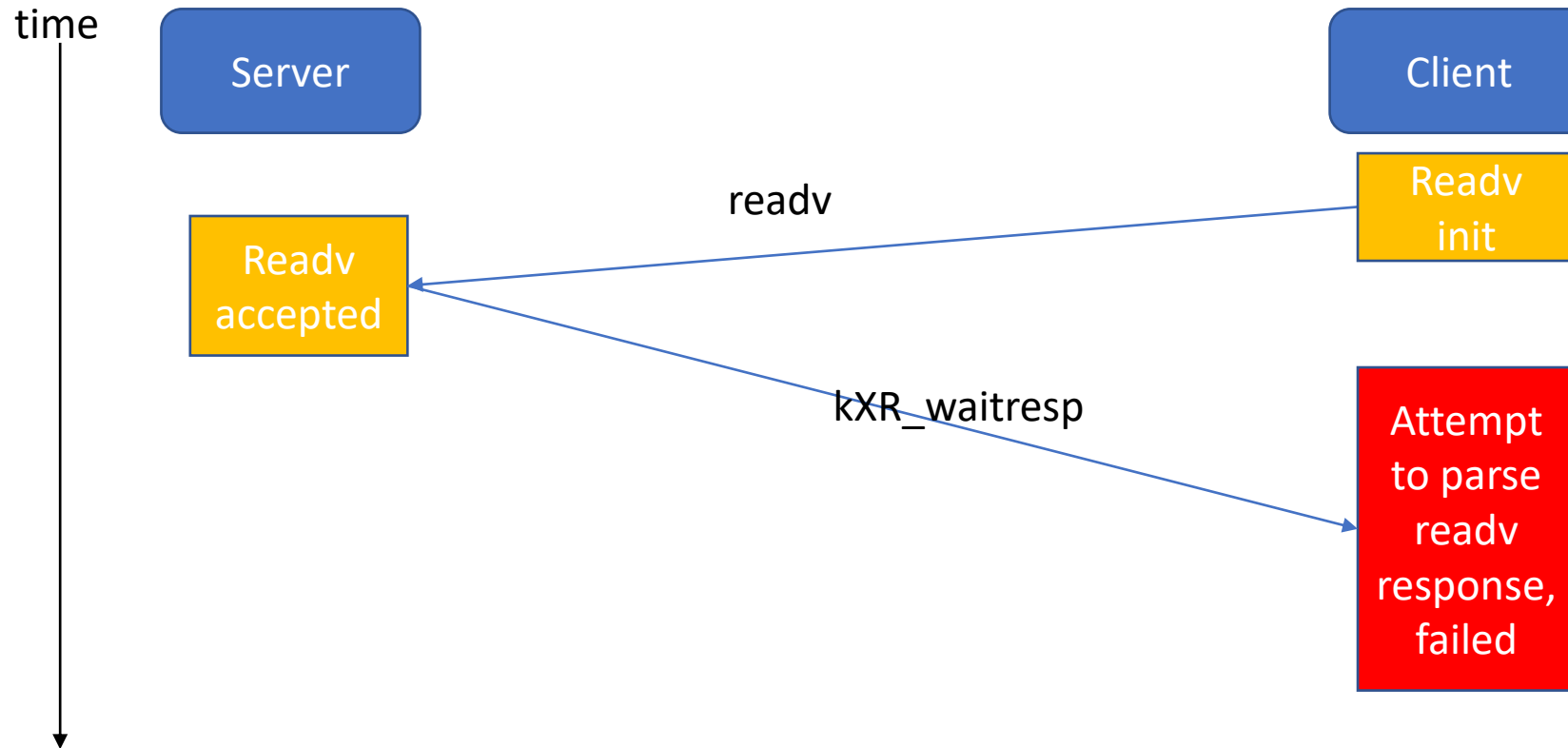
Issue

- The expected workflow is the following



Issue

- Since old clients do not recognize `kXR_waitresp`, we have:



Issues

- Old clients do not recognize kXR_waitresp request from server
- This can be easily fixed by switching to “standard” core xrootd version, leaving only xrootd-ceph patched
- We can (and should) increase the timeout on the client side by setting environment variable XRD_STREAMTIMEOUT

Failures

Since the ECHO downtime no vector read failures happened on the 2017-dells (excluding this incompatibility issue)!

On other generations failures do happen:

Generation	Number of failures
2017-xma	74
2018-xma	1
2019-dell	4
2020-xma	7
2021-xma	105