

CephFS - Bug #50577

cephadm ganesha config breaks backward compatibility with ceph-ansible

04/29/2021 08:05 AM - Francesco Pantano

Status:	Triaged	% Done:	0%
Priority:	Urgent		
Assignee:	Varsha Rao		
Category:			
Target version:	v17.0.0		
Source:	Community (user)	ceph-qa-suite:	
Tags:		Component(FS):	mgr/nfs
Backport:	pacific	Labels (FS):	
Regression:	No	Pull request ID:	
Severity:	2 - major	Crash signature (v1):	
Reviewed:		Crash signature (v2):	
Affected Versions:			

Description

The cephadm generated ganesha.conf differs from what manila uses because there's no flexibility in configuring different options other than [1].

The Openstack ganesha config used for manila was generated by ceph-ansible through [2].

The ganesha config produced by the nfs cephadm deployed daemon breaks the backward compatibility with the ceph-ansible generated one.

For this reason, even though issue [3] is solved, we won't still be able to properly configure the Manila project with Ceph.

Here an example of the config produced by ceph-ansible:

```
NFS_Core_Param
{
    Bind_Addr={{ IP_ADDRESS }};
}
EXPORT_DEFAULTS {
    Attr_Expiration_Time = 0;
}
CACHEINODE {
    Dir_Chunk = 0;
    NParts = 1;
    Cache_Size = 1;
}
RADOS_URLS {
    ceph_conf = '/etc/ceph/ceph.conf';
    userid = "manila";
}
%url rados://manila_data/ganesha-export-index
NFSv4 {
    RecoveryBackend = 'rados_kv';
}
RADOS_KV {
    ceph_conf = '/etc/ceph/ceph.conf';
    userid = "manila";
    pool = "manila_data";
}
LOG {
    Facility {
        name = FILE;
        destination = "/var/log/ganesha/ganesha.log";
        enable = active;
    }
}
```

[1] <https://github.com/ceph/ceph/blob/master/src/pybind/mgr/cephadm/templates/services/nfs/ganesha.conf.j2>

[2] <https://github.com/ceph/ceph-ansible/blob/master/roles/ceph-nfs/templates/ganesha.conf.j2>

[3] <https://tracker.ceph.com/issues/50360>

Related issues:

Related to Orchestrator - Feature #50360: Configure the IP address for Ganesha

Resolved

Related to Orchestrator - Bug #46493: cephadm: need the feature to migrate NF...

Rejected

History

#1 - 05/02/2021 09:23 PM - Ilya Dryomov

- Project changed from rbd to CephFS

This is between cephadm and CephFS, moving to CephFS for now.

#2 - 05/03/2021 01:35 AM - Patrick Donnelly

- Related to Feature #50360: Configure the IP address for Ganesha added

#3 - 05/03/2021 01:36 AM - Patrick Donnelly

- Target version changed from v16.2.2 to v17.0.0

- Source set to Community (user)

- Backport set to pacific

- Component(FS) mgr/nfs added

#4 - 05/03/2021 01:37 PM - Patrick Donnelly

- Status changed from New to Triaged

- Assignee set to Varsha Rao

#5 - 05/04/2021 10:01 AM - Varsha Rao

Francesco Pantano wrote:

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You can use ``ceph nfs cluster config set <clusterid> -i <config_file>`` command to add different configuration options. This command works only with nfs-ganesha daemons deployed through ``mgr/nfs`` interface. As it uses specific pool and namespace.

<https://docs.ceph.com/en/latest/cephfs/fs-nfs-exports/#set-customized-nfs-ganesha-configuration>

#6 - 05/05/2021 09:19 AM - Sebastian Wagner

- Related to Bug #46493: cephadm: need the feature to migrate NFS ganesha daemons from nautilus to octopus added

#7 - 05/07/2021 02:25 PM - Sage Weil

- Priority changed from Normal to Urgent