DISTRIBUTED STORAGE IS EASIER NOW

Usability from Ceph Luminous to Nautilus

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THE STORY SO FAR

CEPH IS AWESOME

- Object, block and file storage
- Scale-out, no SPOF
- "Self-managing"

CEPH IS HARD

CEPH IS HARD CEPH WAS HARD

CEPH IS HARD CEPH WAS HARD CEPH IS EASIER NOW

CEPH IS EASIER NOW

MIMIC

- "Dashboard v2"
- Centralized configuration management

NAUTILUS

- Placement group autoscaling
- Further dashboard enhancements



@ ceph							English 🕶 🔀 🗘	? - \$ - ≜ -
	ïlesystems	Object Gateway -						
Status								
Cluster Status HEALTH_OK		Monitors 1 (quorum 0))	OSDs 5 total 5 up, 5 in		Manager Daemons 1 active 0 standby		
Hosts 1 total		Object Gateways 1 total			s 1 active 0 standby	iSCSI (Gateways 0 total	
Performance								
Client IOPS 180	Client	Throughput 722.9 MiB/s	Client Read/Write	WritesReads	Client Recovery 0 B/s		Scrub Inactive	
Capacity								
Pools 7	722.9 MiB/s		Objects 1256		PGs per OSD 48		PG Status	Clean Werking Warning Unknown

@ceph								English 👻 🔀	Д ® - Ф- ≗
🐨 Dashboard Cluster 🛨	Pools Bl	Block - Filesystems Ob	Dbject Gateway -						
Cluster » OSDs									
OSDs List Overall Performa	INCE								
⁰ Scrub 👻 & Set Cluster-	wide Flags 🛛 🗘	Set Cluster-wide Recovery Priority					2	10 🗘 🔍	×
Host 🗢	ID 1E	Status 🗢	PGs 🗢	Size 🗢	Usage 🗢	Read bytes 🗢	Writes bytes 🗢	Read ops 🗢	Write ops 🗢
suseleap	0	in up	47	10.1 GiB	35%	L	Δ.,	0.4 /s	0 /s
suseleap	1	in up	42	10.1 GiB	35%	<u> </u>	<u> </u>	0.4 /s	0 /s
suseleap	2	in up	46	10.1 GiB	<mark>4</mark> 5%		<u>مە</u>	0 /s	0 /s
suseleap	3	in up	57	10.1 GiB	45%			0.4 /s	0 /s
suseleap	4	in up	48	10.1 GiB	42%		<u>M</u>	0.4 /s	0 /s
0 selected / 5 total									

ด ceph

Cluster » Configuration » Edit

Edit mon_host		
Name	mon_host	
Description	list of hosts or addresses to search for a monitor	
Long description	This is a comma, whitespace, or semicolon separated list of IP addresses or hostnames. Hostnames are resolved via DNS and all A or AAAA records are included in the search list.	
Services	common	
Values		
global	Text	
mon	Text	
mgr	Text	
osd	Text	
mds	Text	
client	Text	
	Save	Back
		o a on

၈) ceph										English - 🛛 🗘	ଡ - ¢	8- ≜
Dashboard Cluster - P	Pools Block -	Filesystems Objec	ct Gateway -									
Pools												
Pools List Overall Performance												
+ Add -									10	<u>ک</u>		×
Name 1	Туре ≎	Applications \$	PG Status 🗢	Replica Size 💠	Last Change	Erasure Coded Profile 🗢	Crush Ruleset 🗢	Usage ≑	Read bytes ≑	Write bytes 🗢	Read ops ≑	Write ops ≎
.rgw.root	replicated	rgw	8 active+clean	3	24		replicated_rule	0%			0 /s	0 /s
benchmark	replicated	rbd	32 active+clean	3	33		replicated_rule	43%	· · · · · · · · · · · · · · · · · · ·	1-8-8-8-8-8-8-8-8-1	0 /s	0 /s
cephfs.a.data	replicated	cephfs	8 active+clean	3	22		replicated_rule	0%		1-0-0-0-0-0-0-0-1	0 /s	0 /s
cephfs.a.meta	replicated	cephfs	8 active+clean	3	21		replicated_rule	0%		1-0-0-0-0-0-0-0-0-1	0 /s	0 /s
default.rgw.control	replicated	rgw	8 active+clean	3	26		replicated_rule	0%			0 /s	0 /s
default.rgw.log	replicated	rgw	8 active+clean	3	30		replicated_rule	0%	·····	1-0-0-0-0-0-0-0-1	0 /s	0 /s
default.rgw.meta	replicated	rgw	8 active+clean	3	28		replicated_rule	0%			0 /s	0 /s
0 selected / 7 total												

NAUTILUS

- ...
- Blinky lights
- Orchestrator module(s)

ORCHESTRATOR MODULE(S)

- Ansible
- DeepSea
 - (Salt)
- Rook

OCTOPUS?

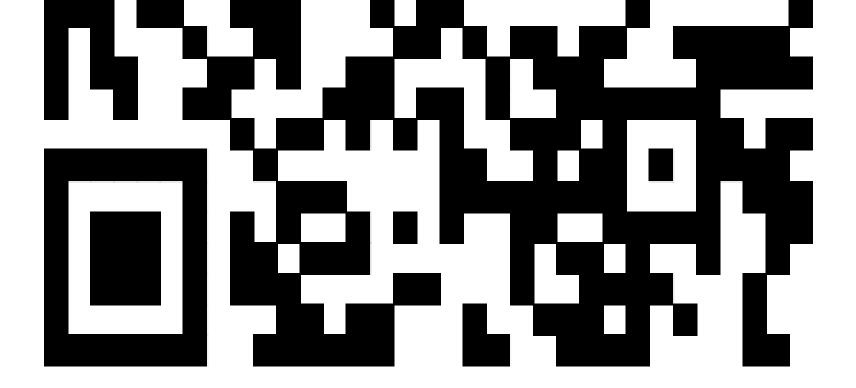
CEPHALOCON 2019

https://ceph.com/cephalocon/barcelona-2019

19-20 May (+ KubeCon & CloudNativeCon, May 20-23)

CFP closes Feb 1





https://tinyurl.com/y7gt9za8

