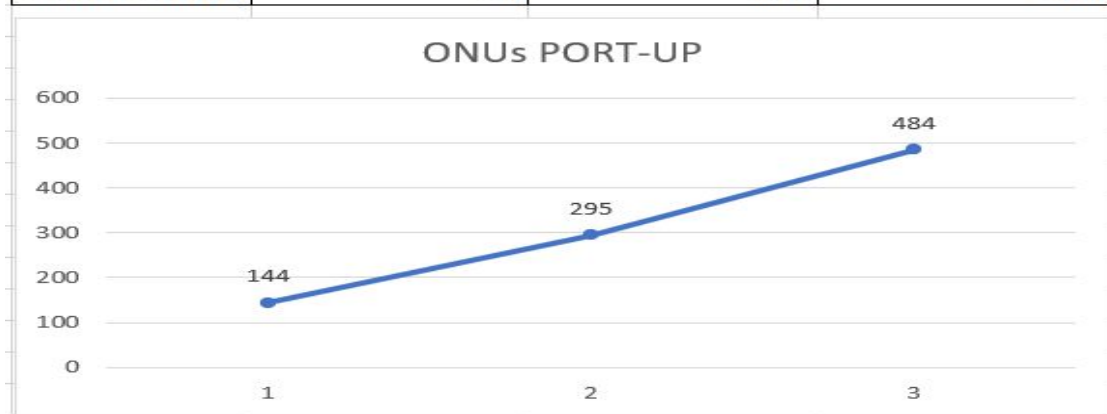
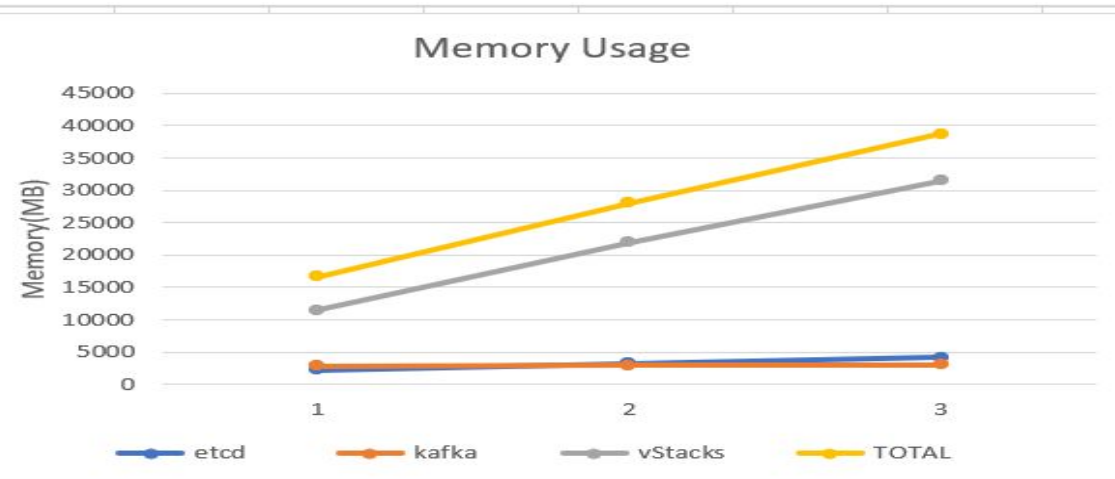
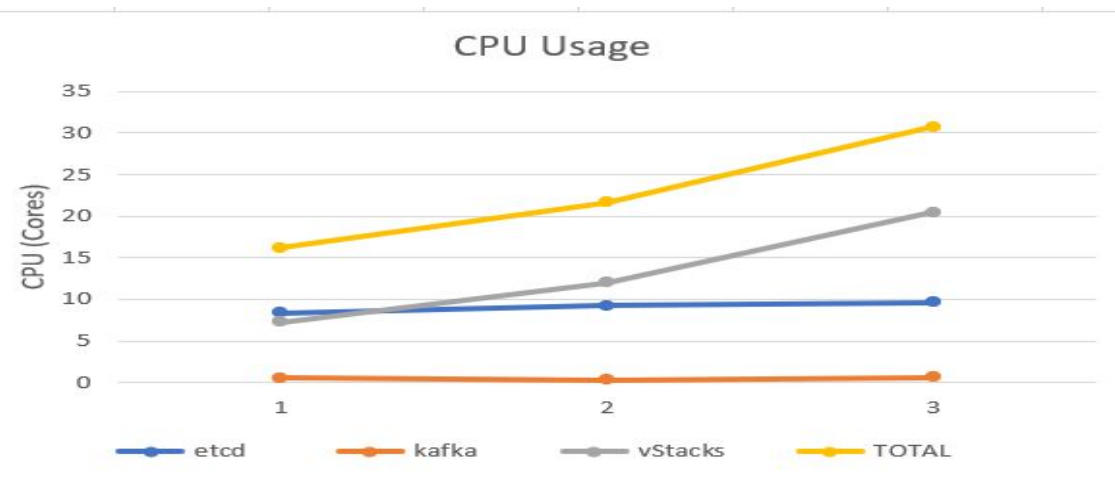




Radisys

VOLTHA
Scale

Setup	Berlin 141 setup		
Config	vStacks: 2 OLTs per vStack: 8 ONUs per OLT: 512	vStacks: 3 OLTs per vStack: 11 ONUs per OLT: 512	vStacks: 3 OLTs per vStack: 16 ONUs per OLT: 512
#ONUs	8192	16896	24576
CPU(Cores)			
etcd	8.35	9.26	9.66
kafka	0.53	0.32	0.59
vStacks	7.28	12.04	20.48
TOTAL	16.16	21.62	30.73
MEMORY(MB)			
etcd	2225.01	3210	4140.44
kafka	2904.44	2912.58	3024.44
vStacks	11487.56	21899.95	31506.15
TOTAL	16617.01	28022.53	38671.03
Time-taken(seconds)			
ONUs PORT-UP	144	295	484



- All the tests are done with VGC as controller.
- It roughly takes ~8 mins to bring up 25k subs spread across OLTs in to running state

- ONU adapter taking up bulk of the memory

vstack1-adapter-openonu-voltha-adapter-openonu	4055.08MB
vstack2-adapter-openonu-voltha-adapter-openonu	4000.62MB
vstack1-rw-core	1082.95MB
vstack2-rw-core	1026.82MB
vstack1-adapter-openolt-voltha-adapter-openolt	403.03MB
vstack2-adapter-openolt-voltha-adapter-openolt	399.28MB

- ONU adapter taking up bulk of the memory

vstack1-adapter-openonu-voltha-adapter-openonu	7553.06MB
vstack2-adapter-openonu-voltha-adapter-openonu	7534.46MB
vstack3-adapter-openonu-voltha-adapter-openonu	7590.05MB

vstack1-rw-core	1824.25MB
vstack2-rw-core	1699.8MB
vstack3-rw-core	1863.51MB

vstack1-adapter-openolt-voltha-adapter-openolt	762.98MB
vstack2-adapter-openolt-voltha-adapter-openolt	792.64MB
vstack3-adapter-openolt-voltha-adapter-openolt	835.71MB

The background is a dark blue gradient with a complex pattern of glowing pink and orange lines and dots, creating a sense of motion and connectivity. The lines are thin and radiate from various points, while the dots are of varying sizes and colors, some appearing as bright white or yellow points.

Thank you