

OpenStack Management Network Traffic Report

Adnei W. Donatti

May 16, 2020

Timeline: GNU/Linux Fedora Cloud 31-1.9 (319 MB)

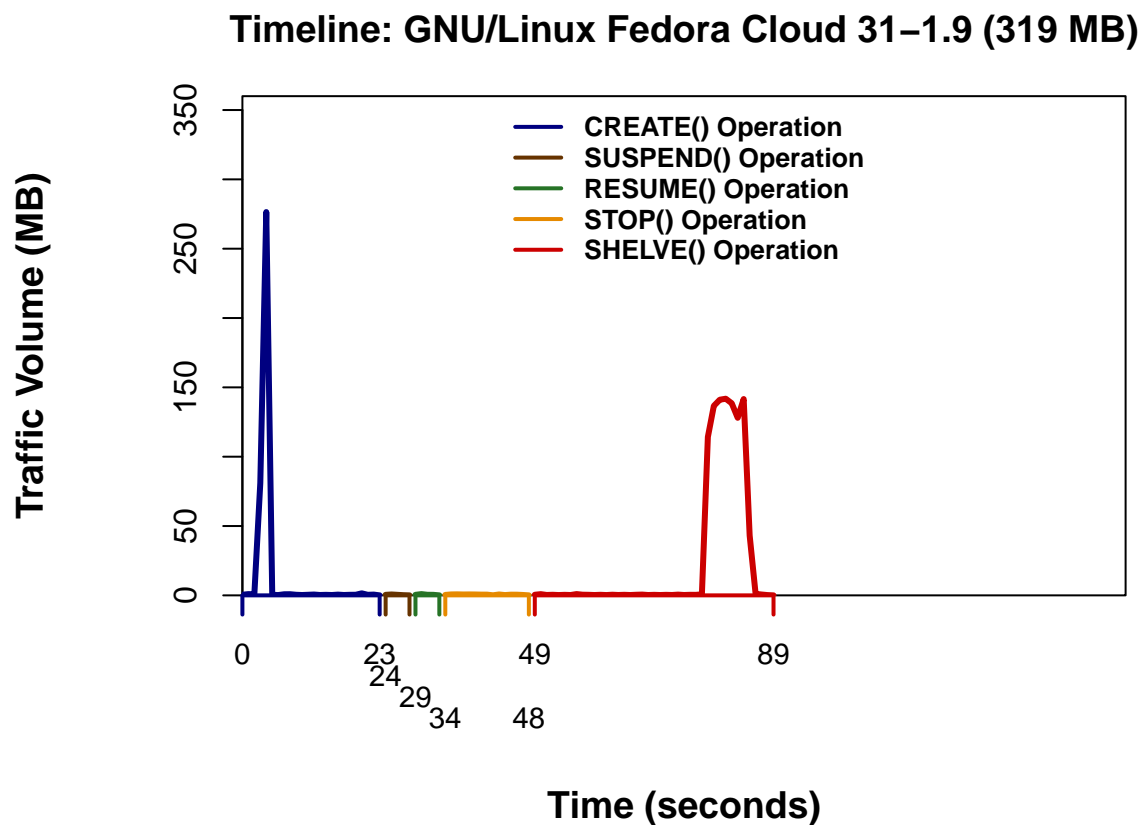


Table 1: Duration (seconds)

operation	duration
CREATE	23
SUSPEND	4
RESUME	4
STOP	14
SHELVE	40

Table 2: Total Traffic (MB)

	operation	cinder	glance	heat	keystone	MISC	neutron	nova	swift	Total
1	CREATE	0	355.804637	0	0.082240	12.550108	0.061332	0.025452	0	368.523769
5	SUSPEND	0	0.000000	0	0.000104	1.534415	0.006419	0.002598	0	1.543536
2	RESUME	0	0.000000	0	0.000000	2.075576	0.015735	0.004670	0	2.095981
4	STOP	0	0.000000	0	0.000312	6.825928	0.030452	0.012857	0	6.869549
3	SHELVE	0	1.375878	0	0.024516	997.337859	0.102542	0.039002	0	998.879797

Table 3: Api Calls

	operation	cinder	glance	heat	keystone	neutron	nova	swift
1	CREATE	0	4	0	7	34	13	0
5	SUSPEND	0	0	0	0	4	2	0
2	RESUME	0	0	0	0	11	2	0
4	STOP	0	0	0	0	13	7	0
3	SHELVE	0	9	0	3	50	20	0

Timeline: GNU/Linux Ubuntu Server 20.04 (Focal Fossa, 508 MB)

Timeline: GNU/Linux Ubuntu Server 20.04 (Focal Fossa, 508 MB)

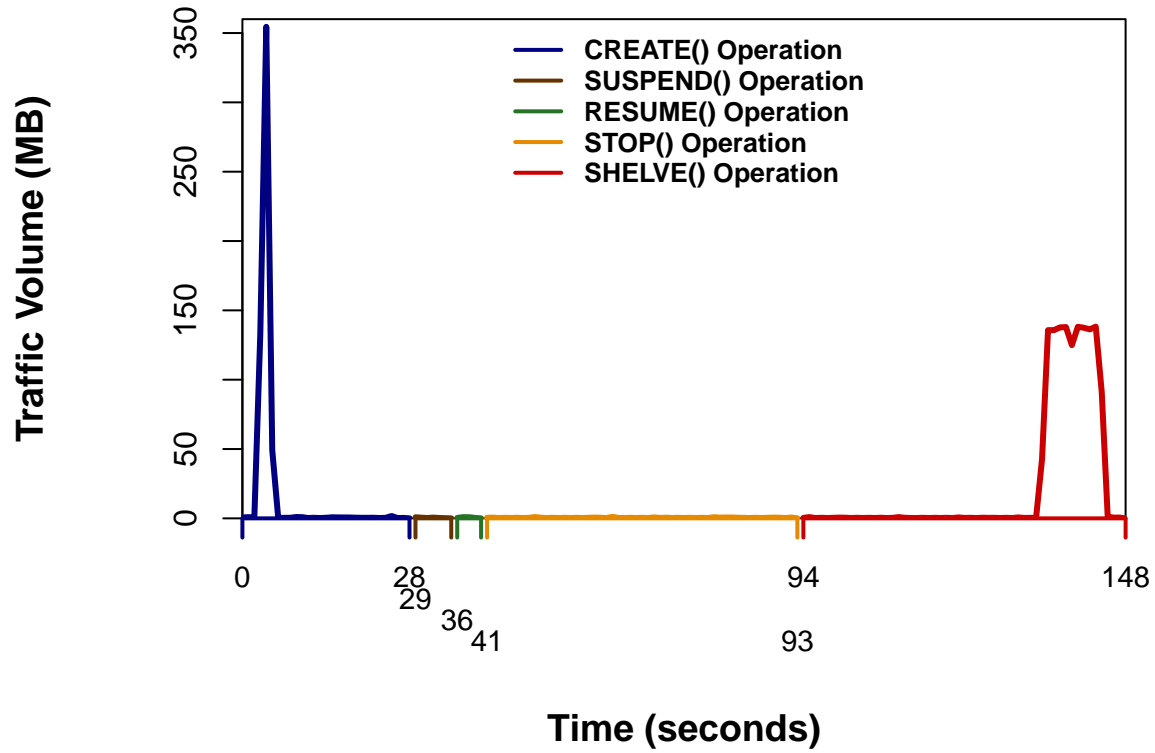


Table 4: Duration (seconds)

operation	duration
CREATE	28
SUSPEND	6
RESUME	4
STOP	52
SHELVE	54

Table 5: Total Traffic (MB)

	operation	cinder	glance	heat	keystone	MISC	neutron	nova	swift	Total
1	CREATE	0	533.943629	0	0.138496	16.384523	0.067706	0.032006	0	550.566360
5	SUSPEND	0	0.000000	0	0.011432	2.494452	0.011471	0.004635	0	2.521990
2	RESUME	0	0.000000	0	0.000104	2.333265	0.010673	0.002690	0	2.346732
4	STOP	0	0.000260	0	0.000468	21.413515	0.127273	0.051108	0	21.592624
3	SHELVE	0	1.949971	0	0.012343	1372.057340	0.139459	0.053794	0	1374.212907

Table 6: Api Calls

	operation	cinder	glance	heat	keystone	neutron	nova	swift
1	CREATE	0	4	0	11	41	15	0
5	SUSPEND	0	0	0	1	6	3	0
2	RESUME	0	0	0	0	9	2	0
4	STOP	0	0	0	0	56	26	0
3	SHELVE	0	9	0	2	66	27	0

Timeline: GNU/Linux Ubuntu Server 18.04 (Bionic Beaver, 329 MB)

Timeline: GNU/Linux Ubuntu Server 18.04 (Bionic Beaver, 329 MB)

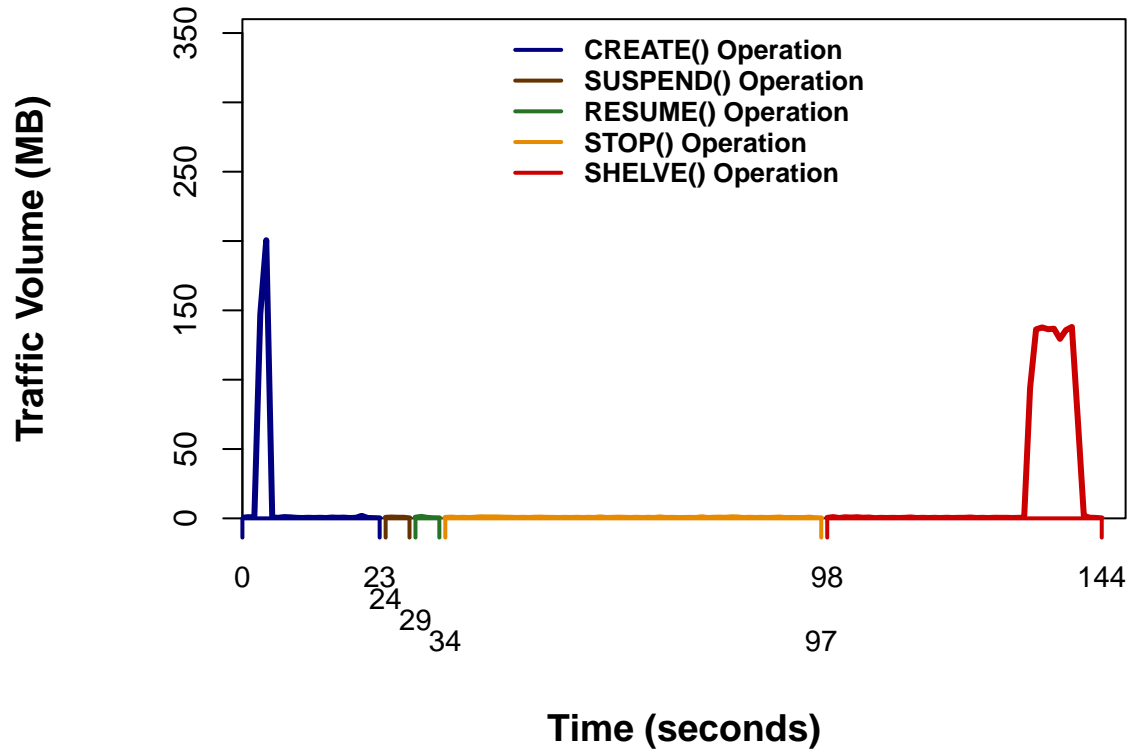


Table 7: Duration (seconds)

operation	duration
CREATE	23
SUSPEND	4
RESUME	4
STOP	63
SHELVE	46

Table 8: Total Traffic (MB)

	operation	cinder	glance	heat	keystone	MISC	neutron	nova	swift	Total
1	CREATE	0	346.276255	0	0.080979	12.560972	0.066440	0.030776	0	359.015422
5	SUSPEND	0	0.000000	0	0.000156	1.886437	0.010220	0.004568	0	1.901381
2	RESUME	0	0.000000	0	0.000000	2.011810	0.010677	0.002587	0	2.025074
4	STOP	0	0.000340	0	0.011952	25.464378	0.157867	0.063331	0	25.697868
3	SHELVE	0	1.623999	0	0.000052	1130.226539	0.122878	0.045977	0	1132.019445

Table 9: Api Calls

	operation	cinder	glance	heat	keystone	neutron	nova	swift
1	CREATE	0	4	0	7	36	15	0
5	SUSPEND	0	0	0	0	4	2	0
2	RESUME	0	0	0	0	10	2	0
4	STOP	0	0	0	1	67	31	0
3	SHELVE	0	9	0	0	58	22	0

Timeline: Centos7 (898 MB)

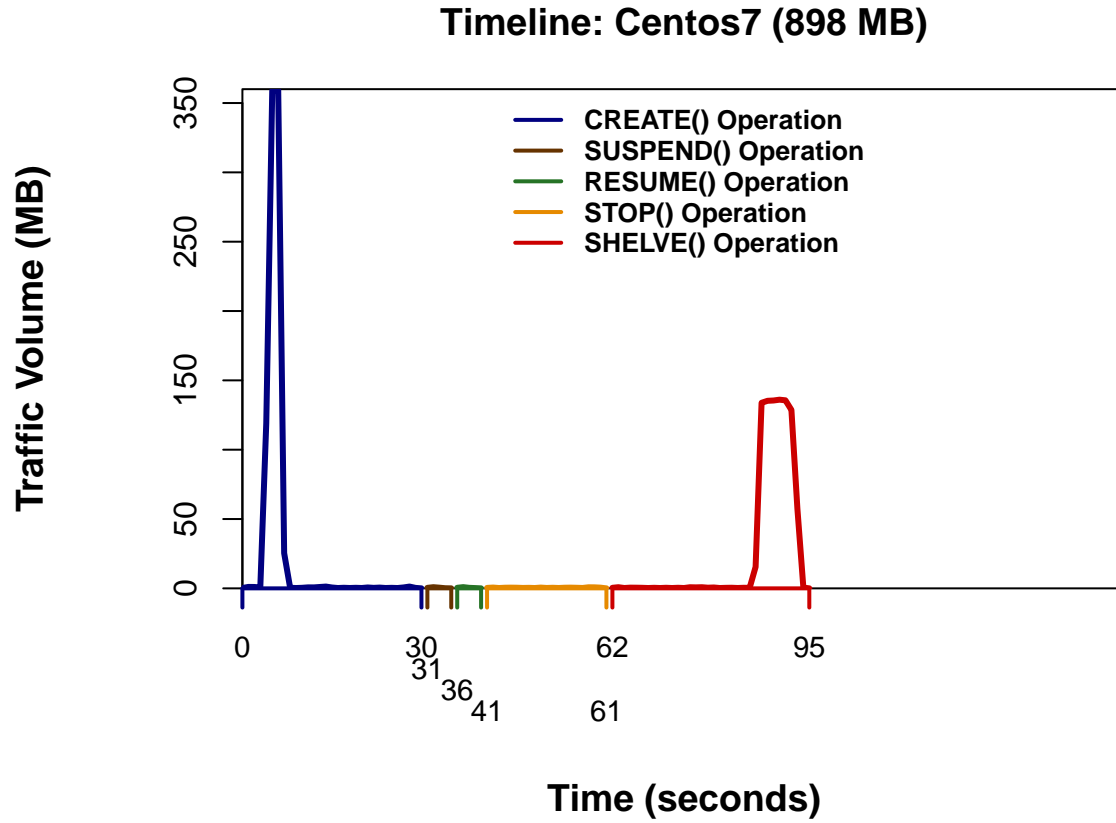


Table 10: Duration (seconds)

operation	duration
CREATE	30
SUSPEND	4
RESUME	4
STOP	20
SHELVE	33

Table 11: Total Traffic (MB)

	operation	cinder	glance	heat	keystone	MISC	neutron	nova	swift	Total
1	CREATE	0	859.866863	0	0.140006	17.130199	0.083682	0.029673	0	877.250423
5	SUSPEND	0	0.000000	0	0.000208	1.809624	0.005058	0.002650	0	1.817540
2	RESUME	0	0.000000	0	0.000104	1.851660	0.010677	0.002639	0	1.865080
4	STOP	0	0.000104	0	0.023033	8.648761	0.057820	0.024405	0	8.754123
3	SHELVE	0	1.312582	0	0.000208	887.814325	0.086755	0.033756	0	889.247626

Table 12: Api Calls

	operation	cinder	glance	heat	keystone	neutron	nova	swift
1	CREATE	0	4	0	12	40	16	0
5	SUSPEND	0	0	0	0	3	2	0
2	RESUME	0	0	0	0	10	2	0
4	STOP	0	0	0	2	29	12	0
3	SHELVE	0	9	0	0	39	16	0

Timeline: CirrOS 0.4.0 (15 MB)

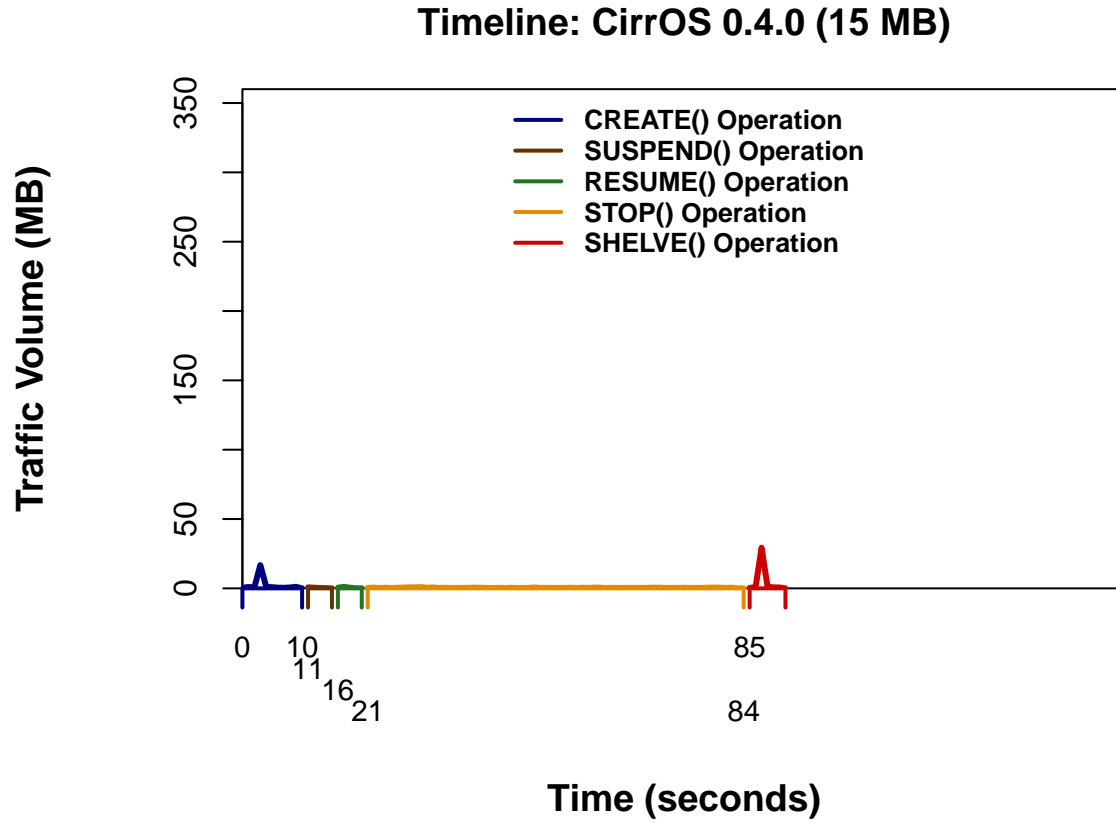


Table 13: Duration (seconds)

operation	duration
CREATE	10
SUSPEND	4
RESUME	4
STOP	63
SHELVE	6

Table 14: Total Traffic (MB)

	operation	cinder	glance	heat	keystone	MISC	neutron	nova	swift	Total
1	CREATE	0	15.759050	0	0.069541	7.465097	0.031210	0.014194	0	23.339092
5	SUSPEND	0	0.000104	0	0.000052	1.565592	0.005266	0.002806	0	1.573820
2	RESUME	0	0.000000	0	0.000052	2.094947	0.010677	0.002639	0	2.108315
4	STOP	0	0.000468	0	0.000364	24.315040	0.154182	0.061545	0	24.531599
3	SHELVE	0	0.073061	0	0.000000	32.862895	0.020845	0.006582	0	32.963383

Table 15: Api Calls

	operation	cinder	glance	heat	keystone	neutron	nova	swift
1	CREATE	0	4	0	6	22	7	0
5	SUSPEND	0	0	0	0	3	2	0
2	RESUME	0	0	0	0	10	2	0
4	STOP	0	0	0	0	67	31	0
3	SHELVE	0	9	0	0	13	3	0