

## Workload characterization riassunto scelte effettuate

### Dati













TG1 25 thread, RU 10s , duration 75s, CTT 500;

TG2 50 thread, RU 10s , duration 75s, CTT 1000;

TG3 75 thread, RU 10s , duration 75s, CTT 1500;

TG4 100 thread, RU 10s , duration 75s, CTT 2000;

### 11 Risorse per TG

Nome	Dimensione ▾
 ISCHIA.jpeg	6,0 kB
 index.html	10,9 kB
 EXTRASMALL.jpg	16,6 kB
 immagine.jpg	39,2 kB
 SMALL.jpg	49,4 kB
 onda.webp	79,1 kB
 MEDIUM.jpg	100,5 kB
 nasa.jpg	121,1 kB
 LARGE.jpg	1,1 MB
 test.jpg	4,0 MB
 EXTRALARGE.jpg	6,0 MB
 ultralarge.jpg	10,2 MB

### 44 tipologie di richieste

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#### Prefiltraggio HL

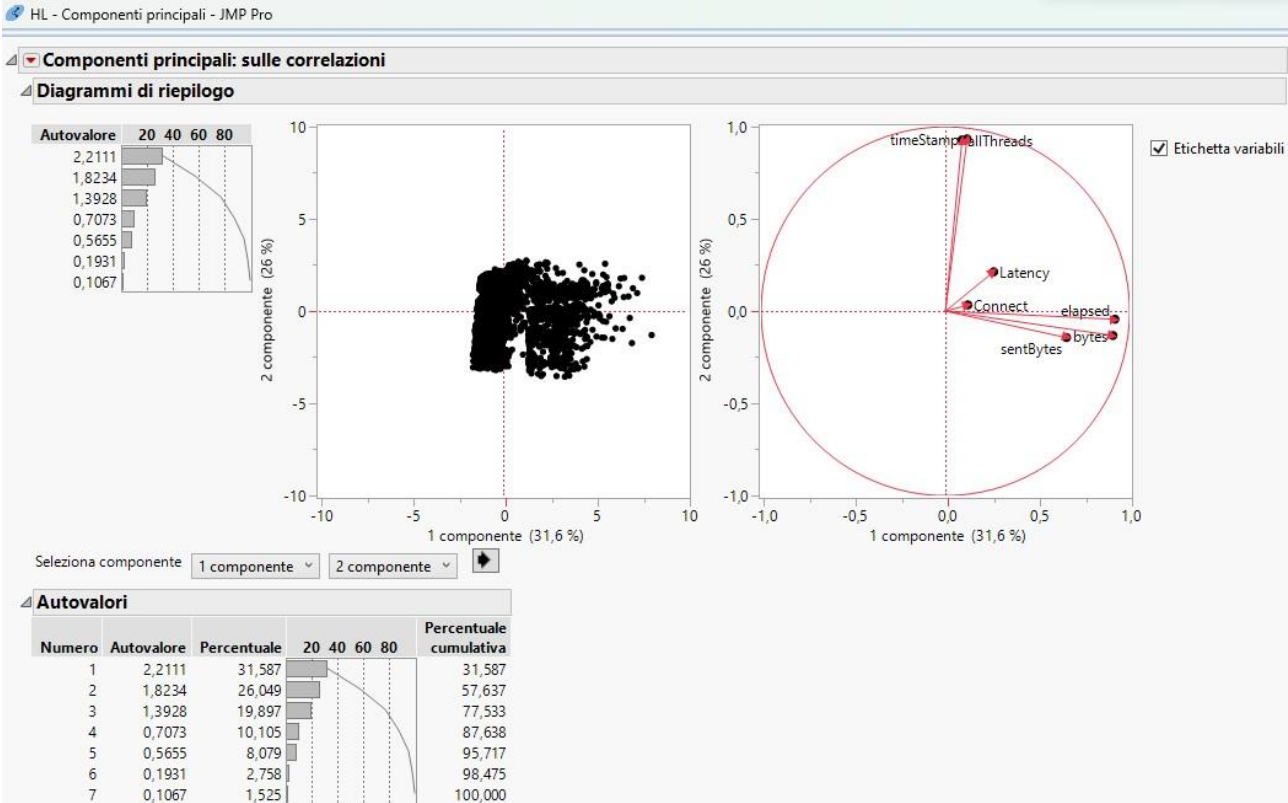
Colonne eliminate:

responseCode(Tutti 200) , responseMessage (OK), dataType(bin),success(true), failureMessage (vuota), idleTime (0),

vediamo correlazione

eliminiamo grpThreads (correlazione con all threads =1)

# Abbiamo Scelto 5 Componenti con 21 Cluster



## Clusterizzazione gerarchica

## Cronologia di clusterizzazione

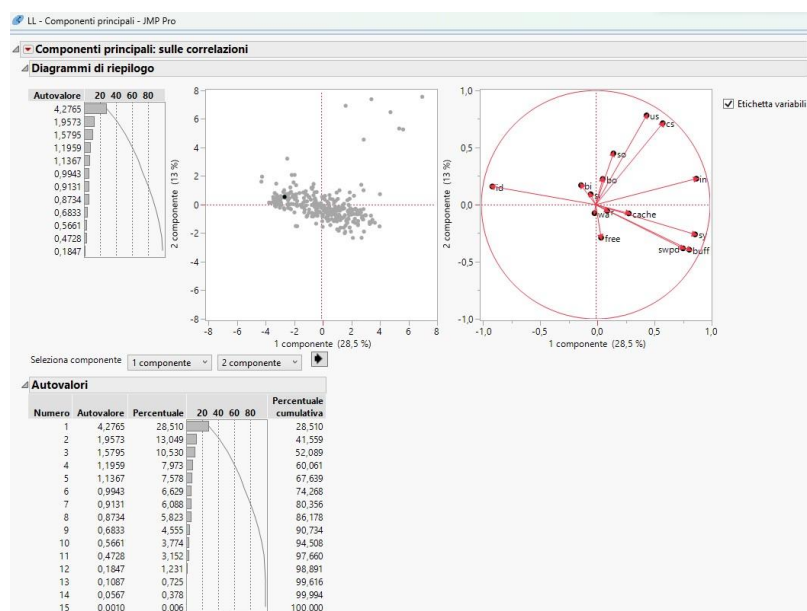
Numero di cluster	Distanza	Leader	Subordinato
53	0,00901124	23	730
52	6,76204174	31	889
51	7,01605000	1207	3340
50	7,07356103	6	786
49	7,15689007	2159	2255
48	7,27550456	847	993
47	7,29855546	4258	4272
46	7,35732158	2216	2348
45	7,54124457	1719	3597
44	7,63581403	803	826
43	7,70618767	4254	4288
42	8,04960817	2216	4287
41	8,08701100	2226	4273
40	8,12358024	2209	3766
39	8,15877691	5	3609
38	8,43130627	2181	4267
37	8,43569267	40	754
36	8,89695415	771	2048
35	8,96951969	680	1726
34	8,99933090	23	900
33	9,36285300	1719	2210
32	9,47843646	1016	2263
31	9,59151283	1207	2696
30	10,03130478	20	26
29	10,80505597	856	2055
28	11,07867297	951	2209
27	11,89052276	4	25
26	12,45551308	2166	4254
25	12,80904568	1	31
24	12,97000944	188	2238
23	13,80020620	2	803
22	13,80678686	4	5
21	13,94401016	1	40
20	14,01438091	20	1719
19	14,18686012	23	1016
18	14,57464418	771	847
17	17,85034670	2166	2216
16	18,30581612	23	188
15	18,81006978	2	6
14	19,13162219	2159	4258
13	19,55636143	951	2181
12	22,02983925	680	856
11	23,14329186	2159	2226
10	26,34945710	4	951
9	26,87759712	23	1207
8	27,11956384	4	771
7	30,24255200	20	2159
6	35,07724696	1	2166
5	47,03480288	2	20
4	58,98995832	1	23
3	60,23447173	1	2
2	66,25284038	1	680
1	73,75112528	1	4

[illegible]

Cluster	R2_1	R2_9	R2_10	R2_11	R3_2	R3_4	R3_6	R3_7	R3_11	R4_1	R4_2	R4_3	R4_6	R4_8	R4_9	R4_10	R4_11
1	121	0	0	0	0	0	0	18	27	0	7	0	0	8	0	0	0
2	0	0	0	0	0	0	0	134	147	0	0	0	209	0	0	0	0
3	0	0	0	0	0	0	0	0	0	193	0	0	0	0	0	0	0
4	7	1	0	0	4	1	17	17	0	5	1	0	1	0	1	0	0
5	0	1	0	1	10	7	6	1	1	3	13	0	22	6	13	0	2
6	0	0	0	7	10	11	0	0	13	0	21	0	29	21	0	29	0
7	0	1	0	0	0	1	2	1	1	9	9	1	3	7	3	0	11
8	0	112	0	0	15	21	0	0	0	0	5	0	0	7	7	0	0
9	0	0	0	102	0	0	0	0	20	0	0	0	0	0	0	0	9
10	1	7	0	4	2	2	1	0	10	1	5	0	0	2	2	0	4
11	0	2	0	0	13	6	7	8	0	7	7	0	7	7	6	0	9
12	0	0	0	0	119	135	0	0	0	0	19	0	0	21	17	0	0
13	0	0	0	0	0	0	0	0	0	0	150	0	0	137	172	0	0
14	0	0	0	0	0	1	0	0	121	0	0	0	0	0	0	0	171
15	0	0	1	1	3	0	1	0	1	1	3	3	6	2	2	4	0
16	0	0	0	0	1	1	0	0	0	1	3	2	1	2	0	0	1
17	0	0	106	0	0	0	0	0	0	0	0	25	0	0	0	20	0
18	0	0	5	0	0	0	0	0	0	0	0	5	0	0	0	187	0
19	0	0	0	0	0	0	0	0	0	0	0	156	0	0	0	0	0
20	0	0	8	0	0	0	0	0	0	0	0	10	0	0	0	15	0
21	0	0	12	0	0	0	0	0	0	0	0	25	0	0	0	29	0

Eliminiamo preventivamente colonne Prefiltraggio

Facciamo pca LL da cui scegliamo 9 componenti principali e 25 cluster

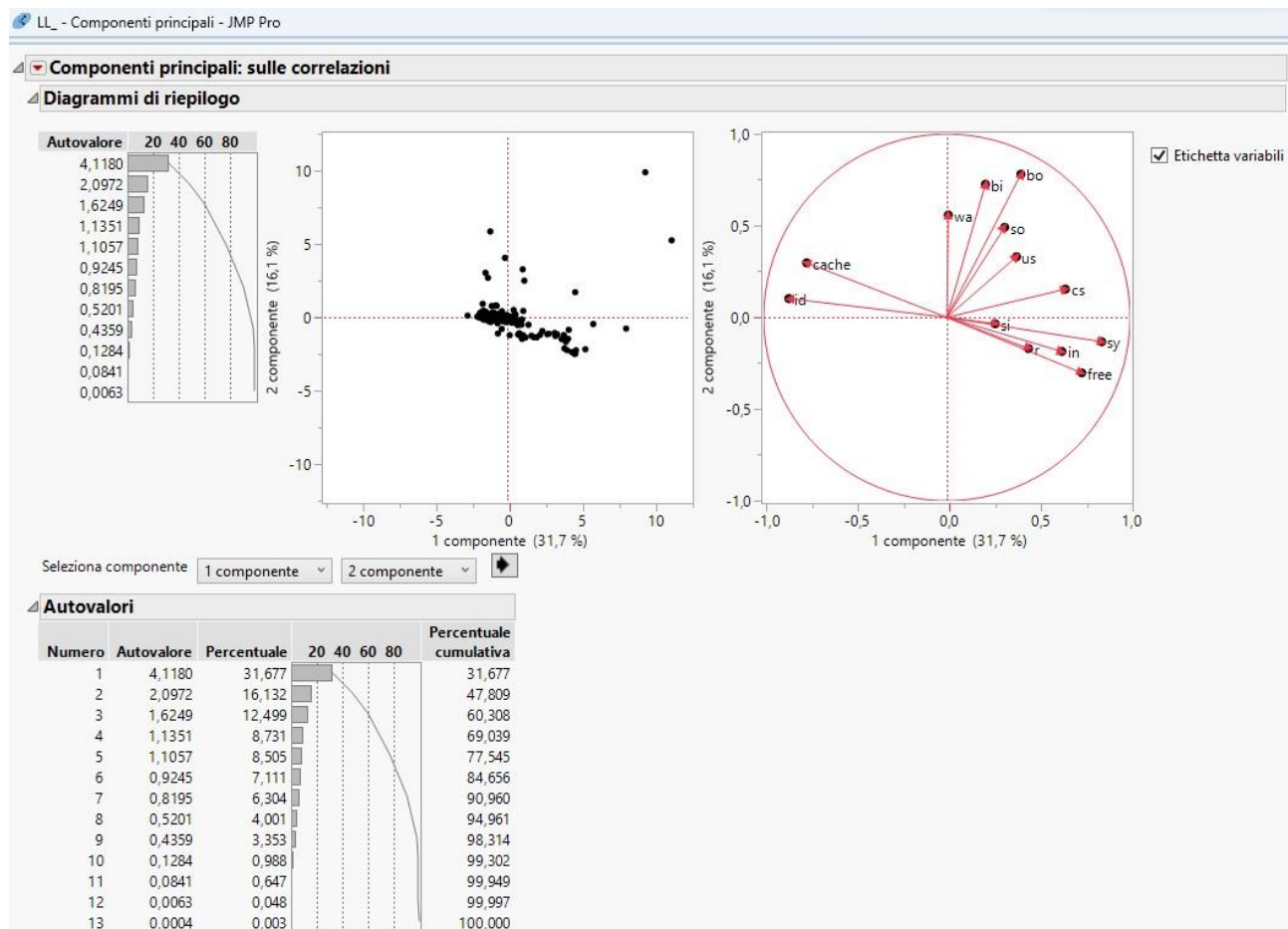
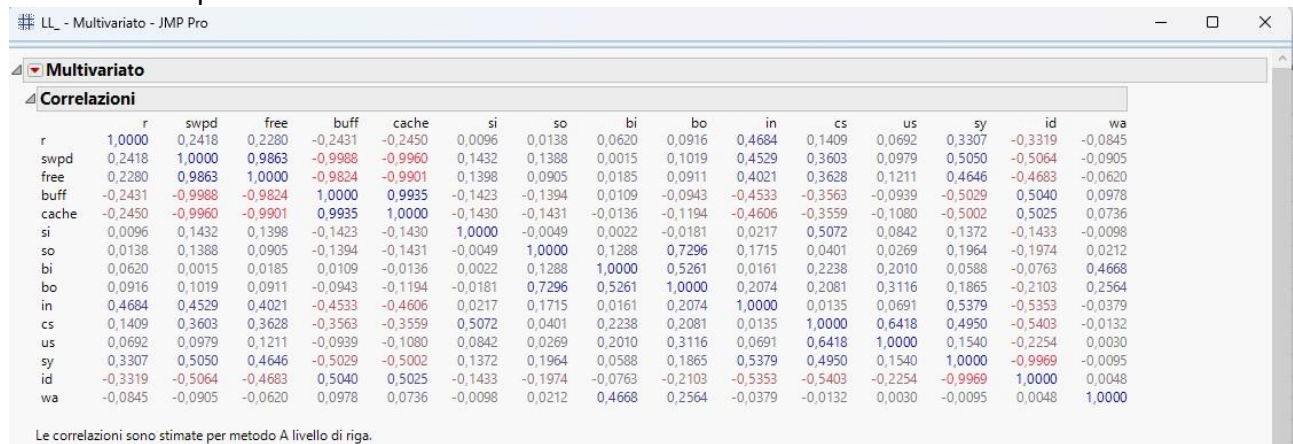


LL'

B(0) , st(0) costanti

Eliminiamo buffer che è molto correlato con cache

Eliminiamo swpd molto correlato free



Componenti principali 9

Cluster 24