
1.

2.

3.

4.

5.

6.

,

7.

8.

9.

Python
(MySQL) Linux

1	
2	A() A() A A
3	Java Python Linux Java (MySQL) Java
4	Docker Web Web OpenStack Python Web (MySQL) Java Python R
5	
6	() () () () ()

7	() () () ()
8	() () () () () () Java () () Web Java (MySQL) Python
9	() () () ()

	14	2				1					2	19
	20					1					2	23
	16					1					2	19

	K0220060		3	3.0	48	48	0			
	K0180040		1-8	2.0	64	64	0			8
	B4610261	()	1	3.0	48	42	6			
	B4610262	()	2	3.0	48	42	6			
	B4610263	()	3	3.0	48	42	6			
	B4610264	()	4	3.0	48	42	6			
	D8850240	()	6	2.0	38	20	18			
	D8860020	() ()	1	1.0	16	16	0			
	N0180020		1	1.0	16	16	0			
	N0150040		1	2.0	36	36	0			
	N0190011	()	1	0.5	8	8	0			
	N0200012	()	2	0.5	8	8	0			
	D8870010	() ()	3	0.5	8	8	0			
	D8880010	() ()	4	0.5	8	8	0			
	F0220030		3	1.5	24	24	0			
	F0210220		4	0.5	8	8	0			
	N0160220		2-5	0.5	8	0	8			
	GA310010		2	0.5	8	8	0			
	D8890220	()	7	1.0	16	8	8			
	N0020040		1	2.0	32	24	8			
	I0140221	()	1	1.0	28	10	18			
	I0110222	()	2	1.0	32	8	24			
	I0120223	()	3	1.0	32	8	24			
	I0130224	()	4	1.0	32	8	24			
	00010240		3	2.0	32	24	8			

		DA538260		5	3.0	48	36	12		
		D9538260		6	3.0	48	38	10		
		D9640260		4	3.0	48	36	12		
		D6150260		7	3.0	48	38	10		
		D9730260		4	3.0	48	36	12		
		D9740260	OpenStack	5	3.0	48	36	12		
		D9750260	Python	6	3.0	48	36	12		
		D9760260	Docker	7	3.0	48	36	12		
					12.0	192	148	44		12
		D7300260	Web	5	3.0	48	38	10		
		D9610260	Java	6	3.0	48	36	12		
		DA610260		5	3.0	48	38	10		
		D3530040		6	2.0	32	22	10		
		D7640260		6	3.0	48	38	10		
		D3650240		7	2.0	32	24	8		
		D6070240		6	2.0	32	24	8		
		D8450060		5	3.0	48	34	14		
		D8390040		5	2.0	32	20	12		
		D7190240		7	2.0	32	20	12		
		D7230240		5	2.0	32	18	14		
		D7210240		5	2.0	32	22	10		
		D1370240		5	2.0	32	32	0		
		D7248260	R	5	3.0	48	34	14		
		D3680240		7	2.0	32	18	14		
					16.0	256	188	68		16

	K0180040		8	8	0						8
	B4610261	()	48	42	6		3				
	D8860020	() ()	16	16	0		1				
	N0180020		16	16	0		1				
	N0150040		36	36	0		2				
	N0190011	()	8	8	0		0.5				
	N0020040		32	24	8		2				
	I0140221	()	28	10	18		1				
	N0140040				2	2	2		,		

D2104271

A()

56

56

K0270220

	B4610264	()	48	42	6		3				
	D8880010	()()	8	8	0		0.5				
	F0210220		8	8	0		0.5				
	N0160220		2	0	2						
	I0130224	()	32	8	24		1				
	D2094270	A	56	56	0		3.5				
	K0300260		48	40	8		3				
	D9650260	Linux	48	36	12		3				
	D8080260	(MySQL)	48	34	14		3				
	D9640260		48	36	12		3				
	D9730260		48	36	12		3				
	D7990220	(MySQL)			1	1	1		,		1
	D8520020				1	1	1		,		
			354	276	78+ 1	1	21.5				
	K0180040		8	8	0						8
	N0160220		2	0	2		0.5				
	K0280060		48	40	8		3				
	D9780260		48	36	12		3				
	D1600260		48	38	10		3				
	DA538260		48	36	12		3				
	D9740260	OpenStack	48	36	12		3				

	DA518220				1	1	1		,		7
	D7300260	Web	48	38	10		3				
	D8380020	Web			1	1	1		,		
	DA610260		48	38	10		3				
	DA600220				1	1	1		,		
	D8450060		48	34	14		3				
	D8390040		32	20	12		2				
	D7230240		32	18	14		2				
	D7210240		32	22	10		2				
	D1370240		32	32	0		2				
	D7248260	R	48	34	14		3				
			298	234	64+ 1	1	19.5				
	K0180040		8	8	0						8
	D8850240	()	38	20	18		2				
	D9520250		40	30	10		2.5				
	D8400040		32	20	12		2				
	D9538260		48	38	10		3				

	D3530040		32	22	10		2				
	D7640260		48	38	10		3				
	D6070240		32	24	8		2				
	D5990220				1	1	1		,		
			262	190	72+ 1	1	16.5				
K0180040			8	8							

		4.0	2.44%				
		37.5	22.87%	8.63			
		12.0	7.32%	2.75			
		16.0	9.76%	4.25			
		2.0	1.22%	2.00			
		22.0	13.41%	22.00			
		4.0	2.44%	4.00			
		164.0	100.00%	54.84			