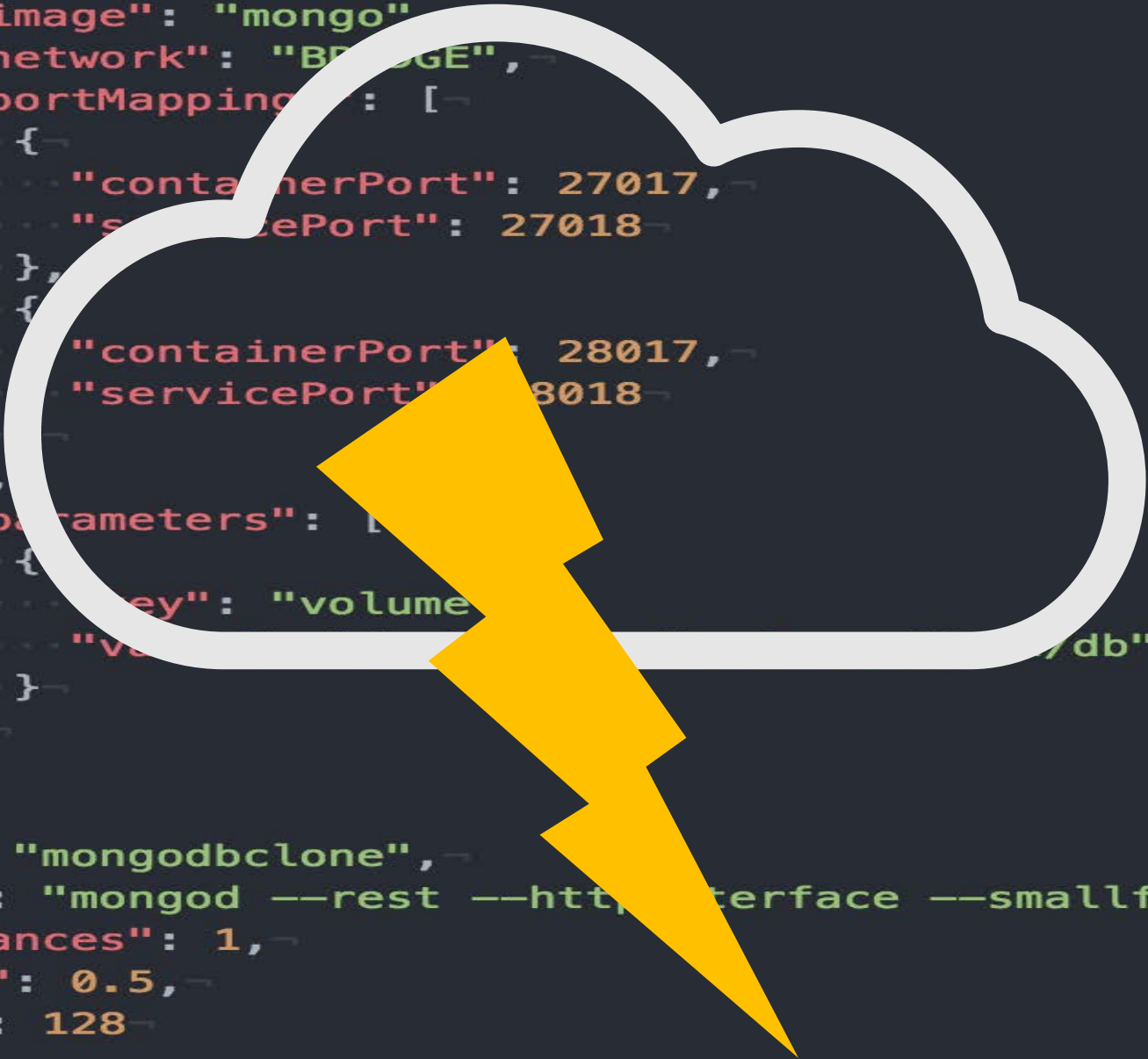


Москва, Digital October
14 сентября 2016

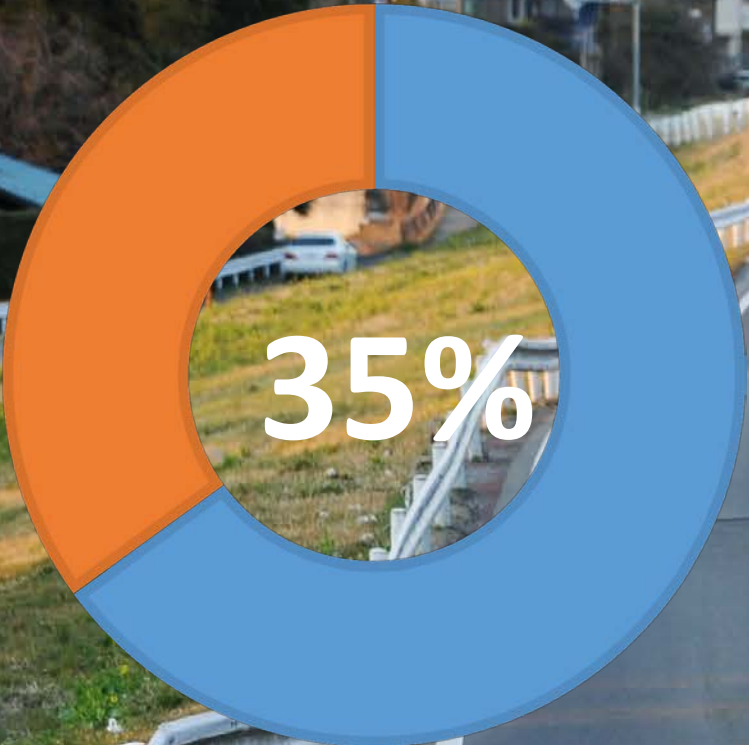
Роман Ройфман
NetApp

```
1  {  
2    "container": {  
3      "type": "DOCKER",  
4      "docker": {  
5        "image": "mongo"  
6        "network": "BRIDGE",  
7        "portMapping": [  
8          {  
9            "containerPort": 27017,  
10           "servicePort": 27018  
11         },  
12         {  
13           "containerPort": 28017,  
14           "servicePort": 28018  
15         }  
16       ],  
17       "parameters": [  
18         {  
19           "key": "volume"  
20           "value": "/db"  
21         }  
22       ]  
23     }  
24   },  
25   "id": "mongodbc1one",  
26   "cmd": "mongod --rest --httpinterface --smallfiles",  
27   "instances": 1,  
28   "cpus": 0.5,  
29   "mem": 128  
30 }
```



DATA CENTER
FORUM

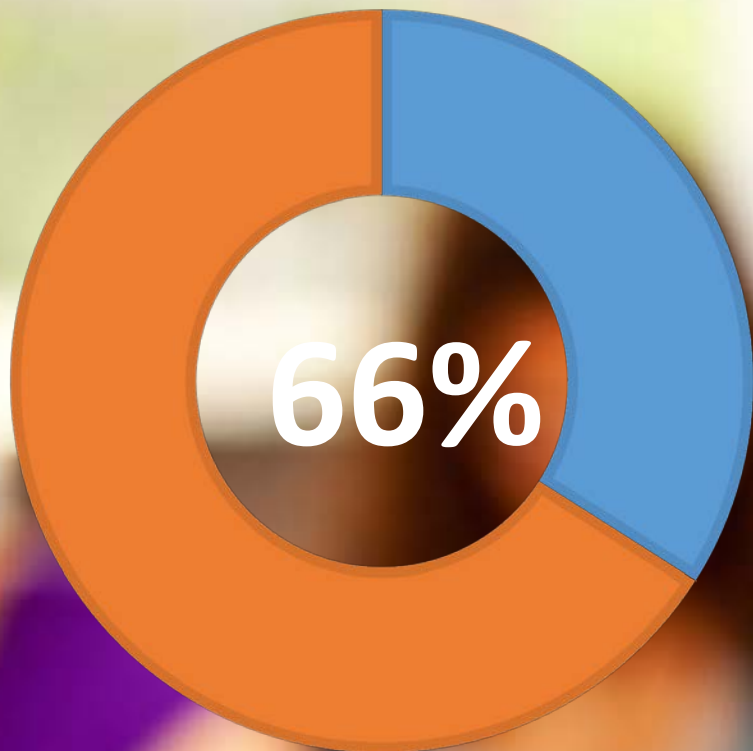
Изменение основных навыков с 2015 по 2020



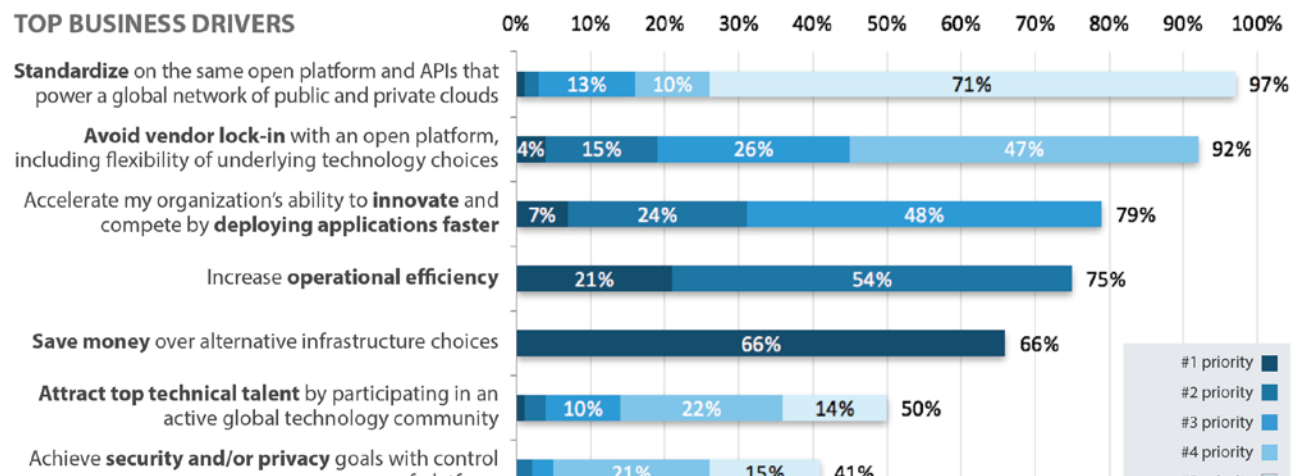
35%

43% Финансовые сервисы и инвестиции
42% Инфраструктура
39% Мобильность

35% Информационные технологии и телекоммуникации
33% Профессиональные услуги
30% Энергетика
29% Здравоохранение
27% Медиа



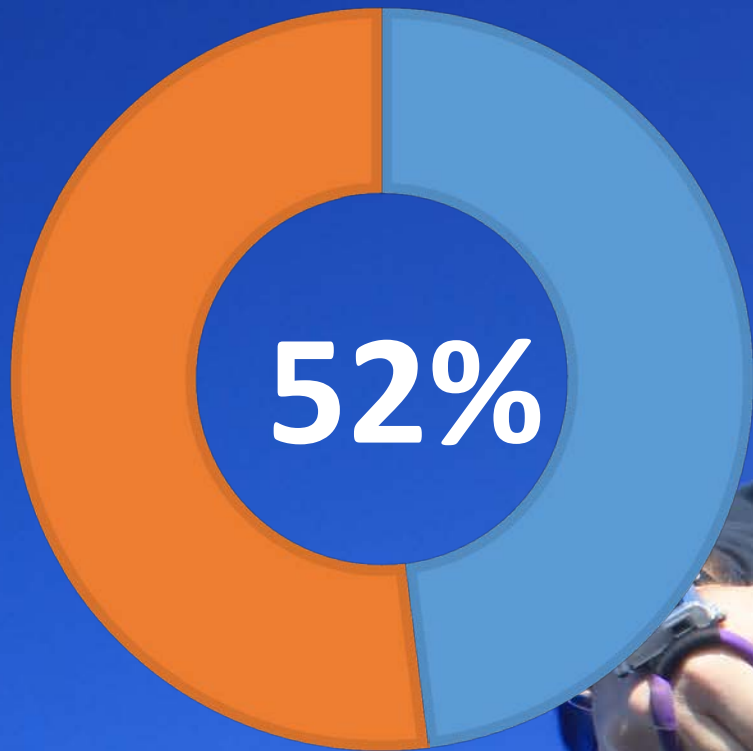
TOP BUSINESS DRIVERS



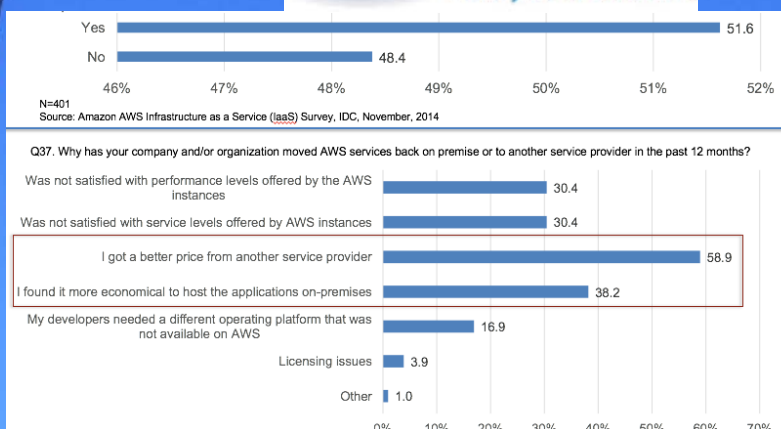
Q:

Почему вы выбрали Openstack?

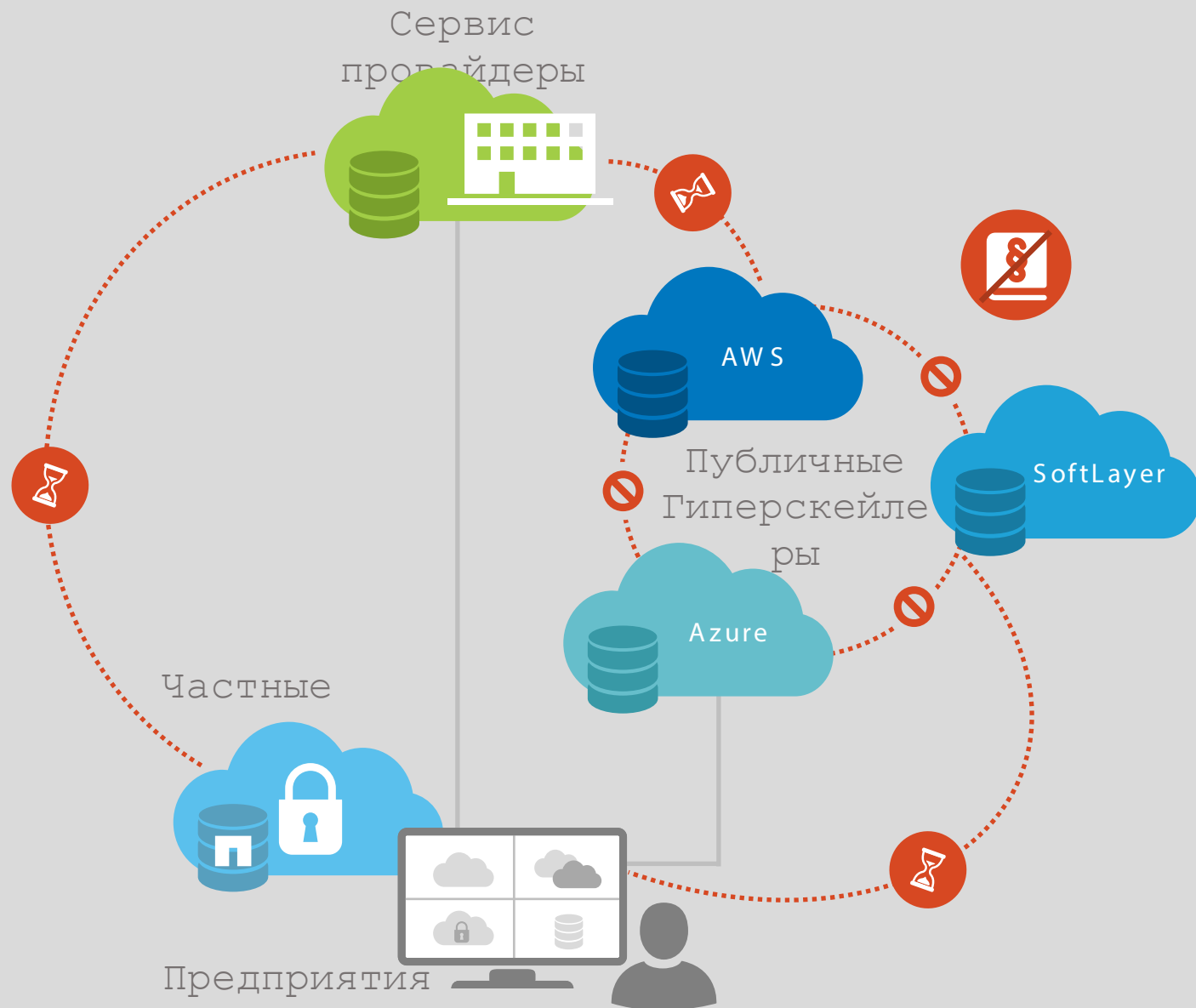
OpenStack User Survey Апрель 2016



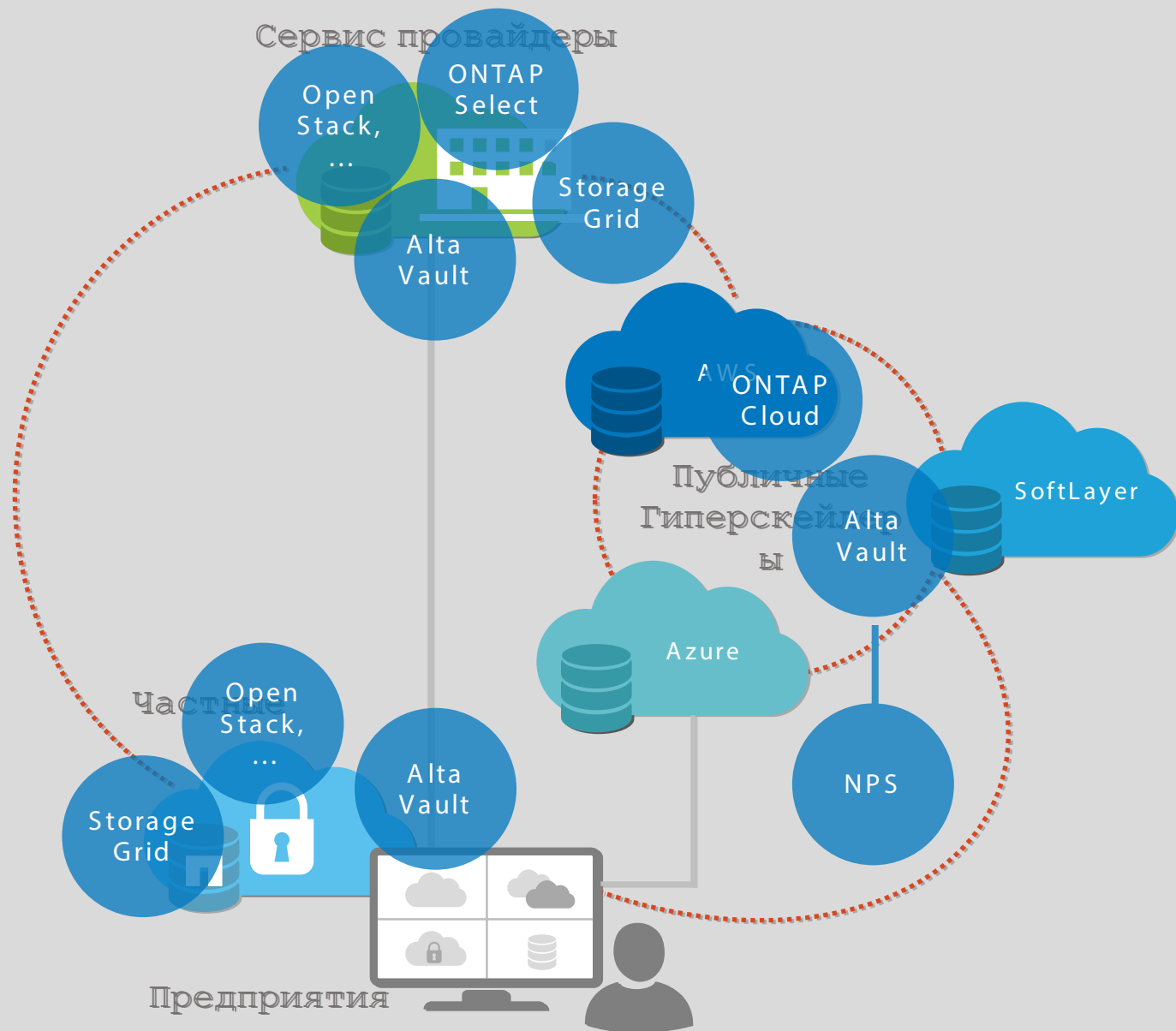
Q:
В последние 12 месяцев
мигрировали сервисы с
AWS обратно on-premise
или на ресурсы других
провайдеров?



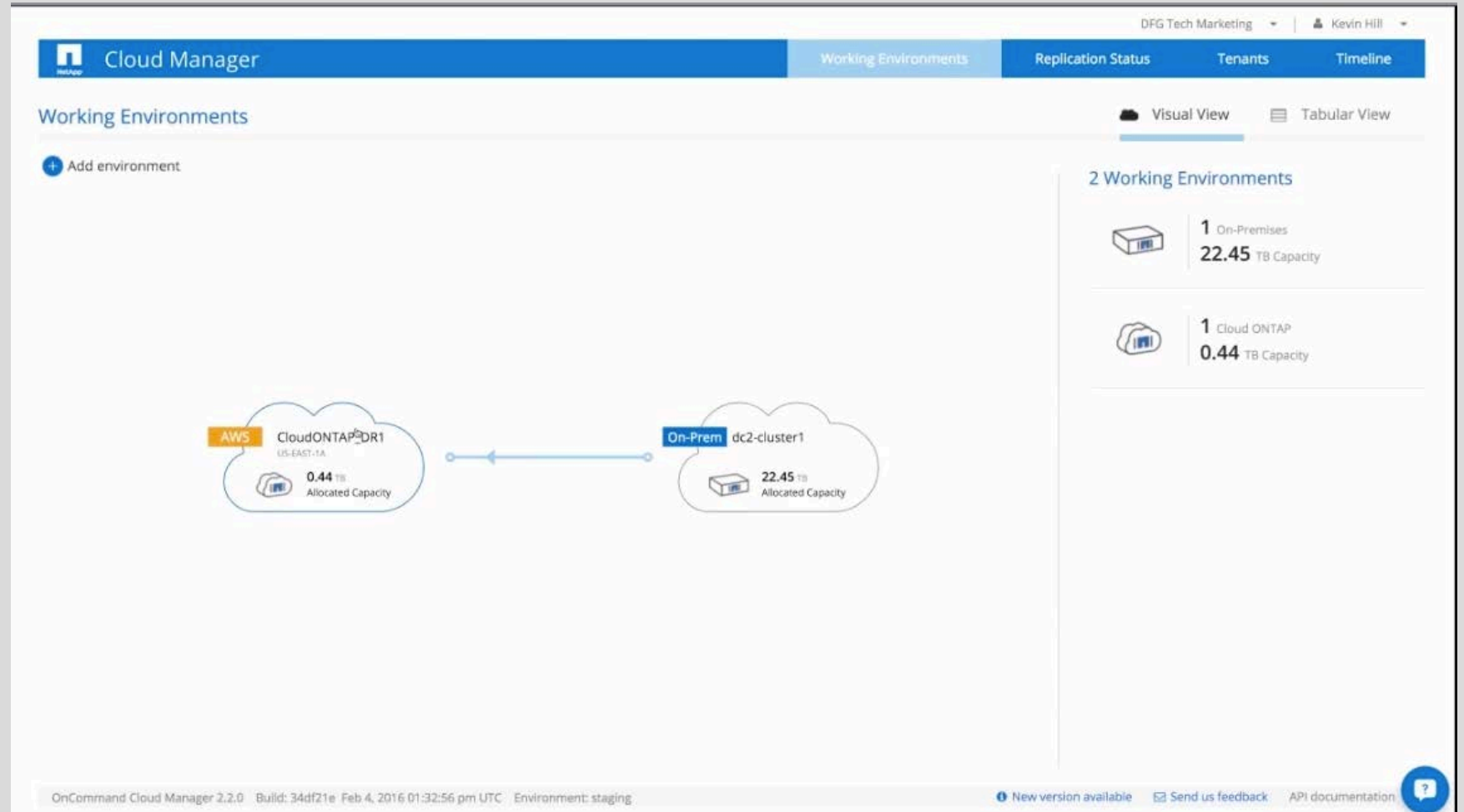
Многооблачнос ть



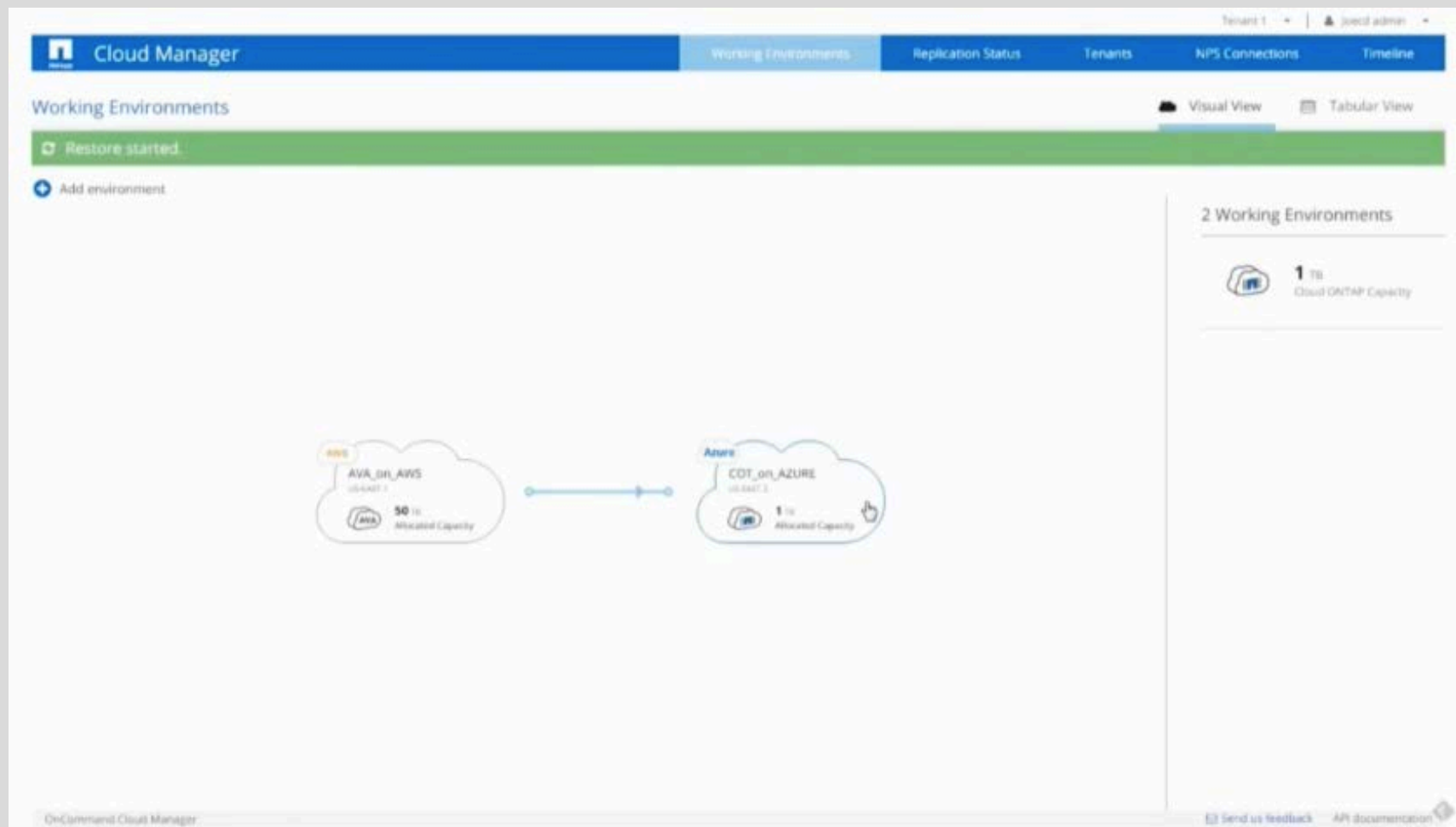
NetApp Data Fabric



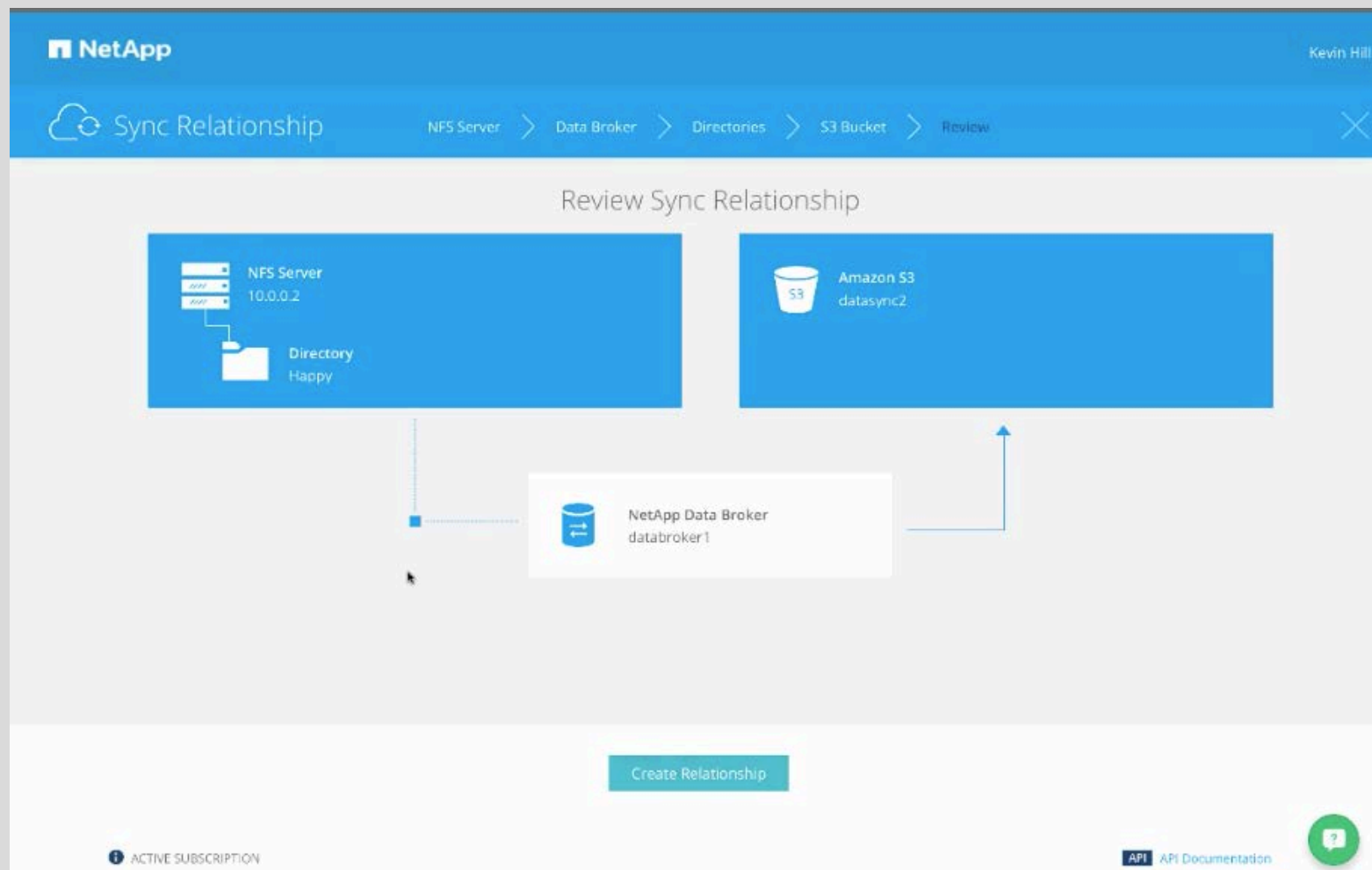
Репликация между AWS и on-premise



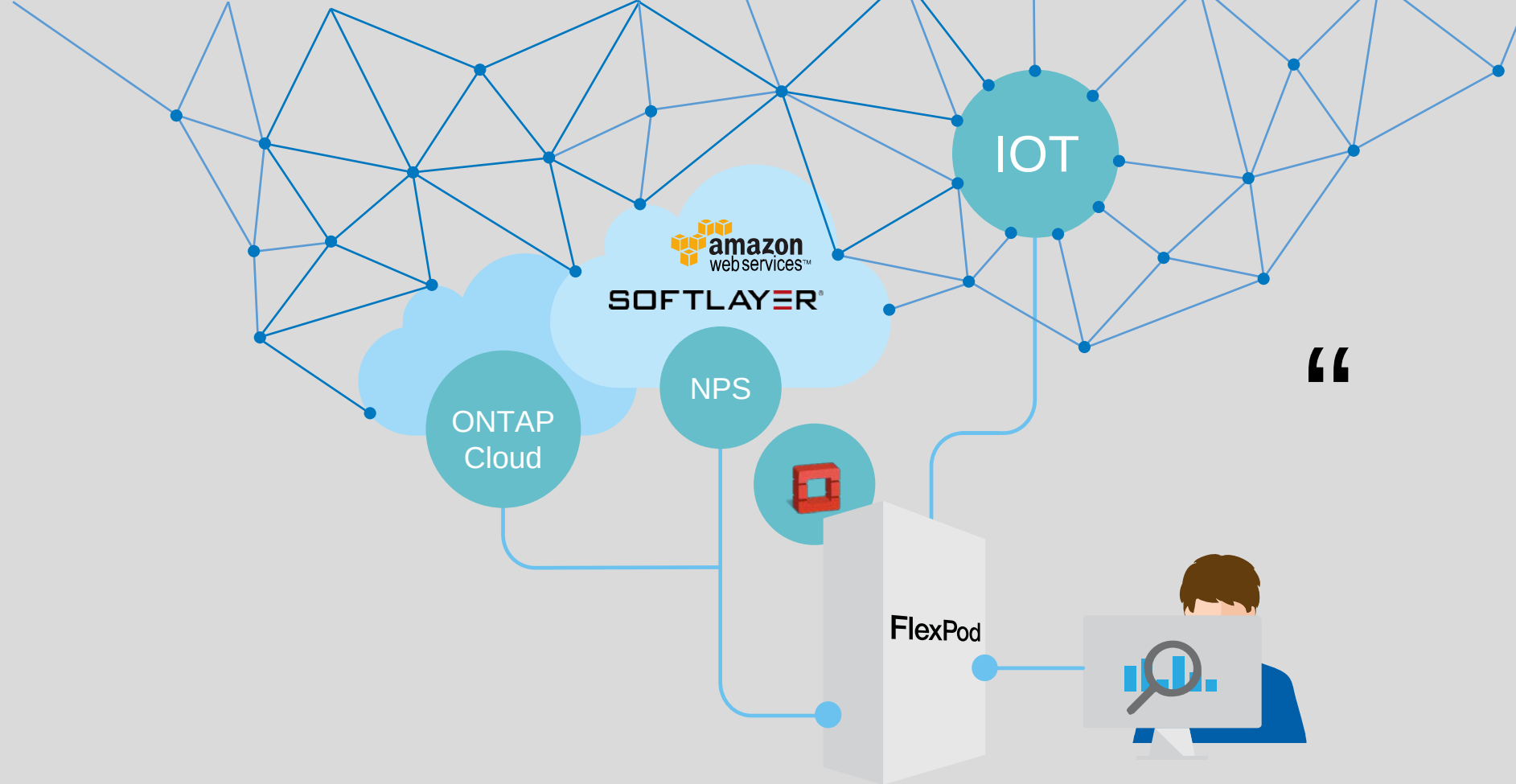
Разные
гиперскейле
ры
Разные
платформы



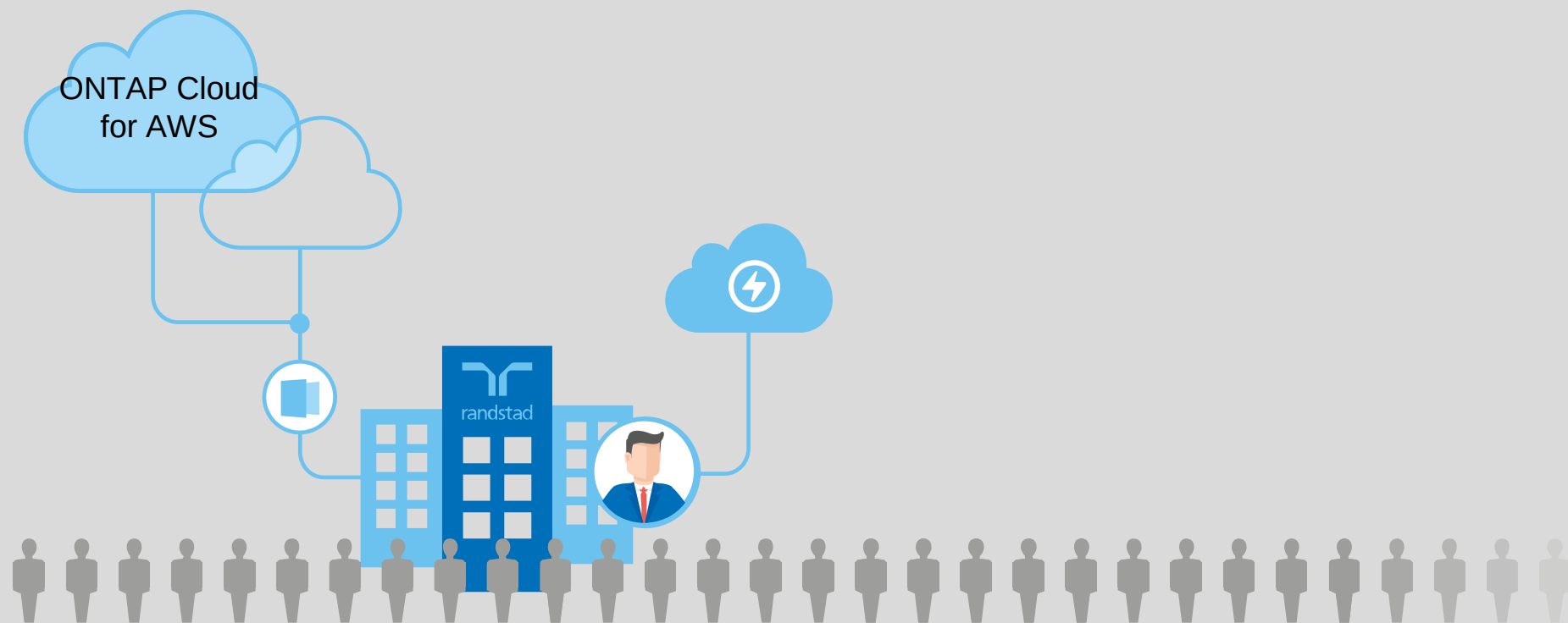
SaaS решения



Решение



Решение



Pets vs cattle



QoS

автоматизация

https://10.1.1.100/admin/#/Nodes/Active#1

Node List

Node ID	Node Name	Node Type	Management IP	Cluster IP	Storage IP	Version		
6 *	Demo1-2	SF3010	10.1.1.102	10.1.10.102	10.1.10.102	7.1.0.17		
8 *	Demo1-3	SF3010	10.1.1.103	10.1.10.103	10.1.10.103	7.1.0.17		
13 *	Demo1-1	SF3010	10.1.1.101	10.1.10.101	10.1.10.101	7.1.0.17		
14	Demo1-4	SF3010	10.1.1.104	10.1.10.104	10.1.10.104	7.1.0.17		

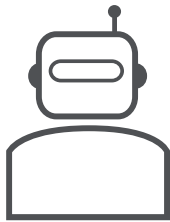
* ensemble nodes ^ cluster master

with selected: remove

showing: 1-4 of 4

```
10:08:30 - {
  "id": 20,
  "result": {
    "nodes": [
      {
        "associatedFServiceID": 0,
        "associatedMasterServiceID": 78,
        "attributes": null,
        "cip": "10.1.10.102",
        "cipi": "Bond10G",
        "fibreChannelTargetPortGroup": null,
        "mip": "10.1.1.102",
        "mipi": "Bond1G",
        "name": "Demo1-2",
        "nodeID": 6,
        "platformInfo": {
          "chassisType": "R620",
          "cpuModel": "Intel(R) Xeon(R) CPU E5-2640 0 @ 2.50GHz",
          "nodeMemoryGB": 72,
          "nodeType": "SF3010"
        },
        "sip": "10.1.10.102",
        "sipi": "Bond10G",

```



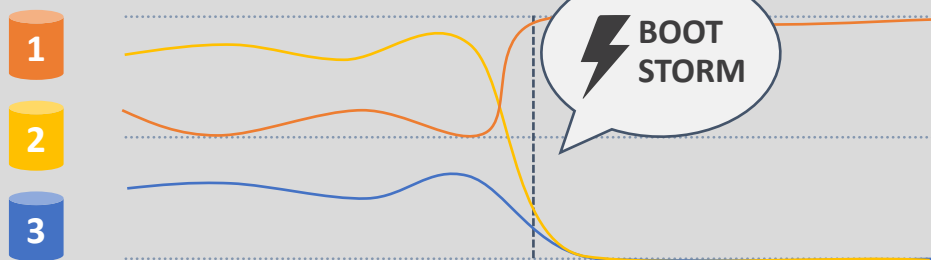
Автоматизированное управление

```
1 {
2   "container": {
3     "type": "DOCKER",
4     "docker": {
5       "image": "mongo",
6       "network": "BRIDGE",
7       "portMappings": [
8         {
9           "containerPort": 27017,
10          "servicePort": 27018
11        },
12        {
13          "containerPort": 28017,
14          "servicePort": 28018
15        }
16      ],
17      "parameters": [
18        {
19          "key": "volume",
20          "value": "/mnt/mongodbc_clone:/data/db"
21        }
22      ]
23    }
24  },
25  "id": "mongodbcclone",
26  "cmd": "mongod --rest --httpinterface --smallfiles",
27  "instances": 1,
28  "cpus": 0.5,
29  "mem": 128
30 }
```

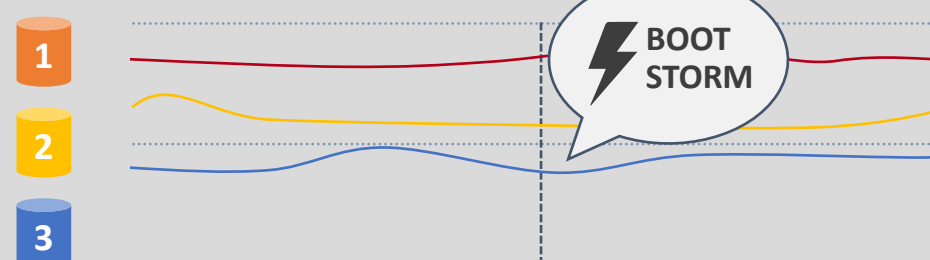
```
#define SOFTWARE_DEFINED_STORAGE SOLIDFIRE

#ifdef SOFTWARE_DEFINED_STORAGE
    NSString *aString=@"Element X";
#endif
```

БЕЗ QoS



С QoS



ЕЛЕКТРОННЕ

Огромные боевые человекоподобные роботы

