

minio对接ecm压测

压测环境说明

IP	服务	配置
192.168.251.102	minio	16C16G 2HDD* 80G
192.168.251.88	minio	16C16G 2HDD* 80G
192.168.251.98	minio	16C16G 2HDD* 80G
192.168.251.126	ECM 6.0	8C12G 200G
192.168.251.153	压力机 ecm_stress:v6.0.0.3	16C16G

minio集群

```
[root@node1 minio]# cat run.sh
#!/bin/bash

export MINIO_ROOT_USER=admin
export MINIO_ROOT_PASSWORD=edoc2@edoc2

/opt/minio/minio server --config-dir /opt/minio/config/ --console-address
":30000"\
    http://node1:9000/data{1...2}/drive{1...2} \
    http://node2:9000/data{1...2}/drive{1...2} \
    http://node3:9000/data{1...2}/drive{1...2}
```

Servers (3)					
node1:9000	4/4 Drives	3/3 Network	19 hours Up time	Version: 2022-06-11T19:55:32Z ^	
node2:9000	4/4 Drives	3/3 Network	19 hours Up time	Version: 2022-06-11T19:55:32Z ^	
node3:9000	4/4 Drives	3/3 Network	19 hours Up time	Version: 2022-06-11T19:55:32Z ^	

三个节点 12 drive

创建桶及ServiceAccounts账户

edoc2

Created: 2022-07-12T10:17:09Z

Access: R/W

Manage

Browse

Usage

322.5MiB

Objects

2,405

Search Service Accounts

Q

Delete Selected

Change Password

Create service account

☐

Service Account

☐

L4RZL1NKld7JU66

Create Service Account

Access Key

L4RZL1NKld7JU66

Secret Key

.....

Restrict beyond user policy

OFFON

Current User Policy - edit the JSON to remove permissions for this service account

```
{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Effect": "Allow",
      "Action": [
        "s3:*"
      ],
      "Resource": [
        "arn:aws:s3:::edoc2/*"
      ]
    }
  ]
}
```

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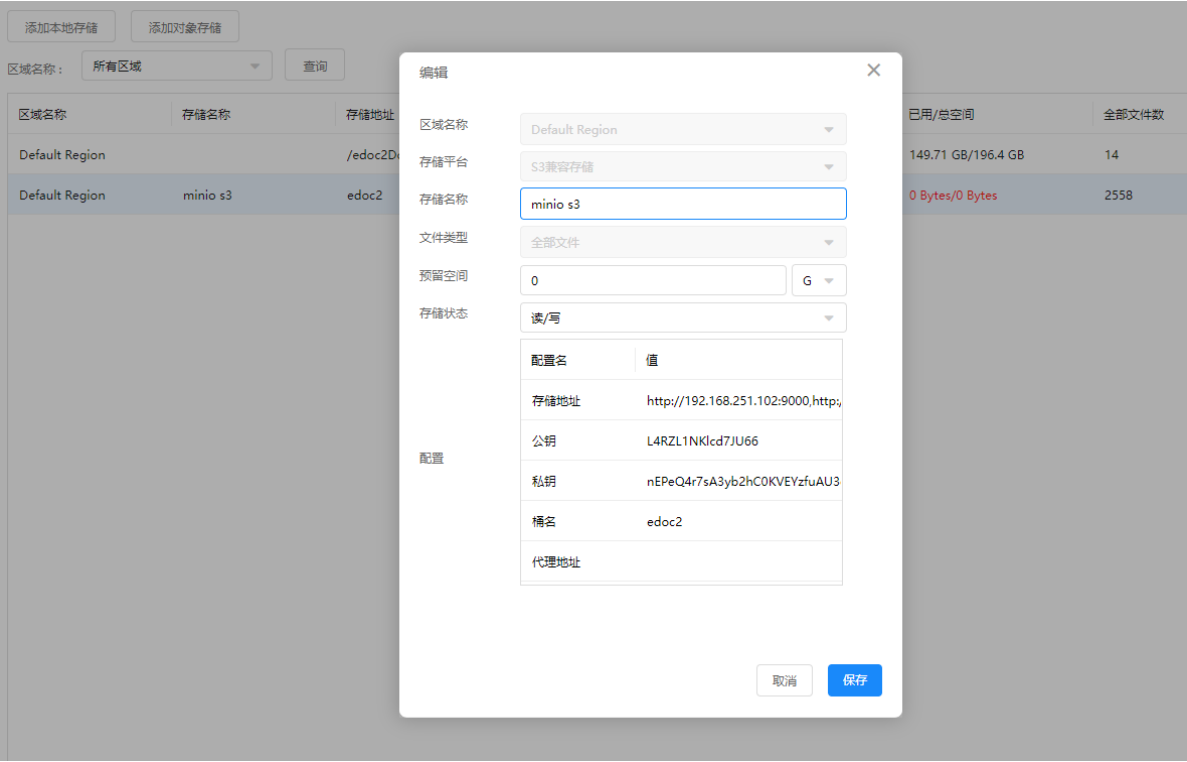
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```
{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Effect": "Allow",
      "Action": [
        "s3:*"
      ],
      "Resource": [
        "arn:aws:s3:::edoc2/*"
      ]
    }
  ]
}
```

指定 AK: L4RZL1NKld7JU66 只对edoc2 这个桶有所有s3相关操作权限。

ECM添加minio存储



minio的s3访问地址：
http://192.168.251.102:9000,http://192.168.251.88:9000,http://192.168.251.98:9000
公钥：创建的 服务账户的ak
私钥：创建的 服务账户的sk
桶名：服务账户有权限的bucket edoc2
api版本：4

压测方法

此环境配置不高，只做存储相关的功能性验证测试，不做性能测试；

分别对个人库，团队库和企业库的文件上传、文件下载、文件共享、文件外发、文件预览、新建文件夹以20并发持续100s进行测试。

企业库压测结果

Requests		Executions			Response Times (ms)							Throughput		Network (KB/sec)	
Label	#Samples	FAIL	Error %	Average	Min	Max	Median	90th pct	95th pct	99th pct	Transactions/s	Received	Sent		
Total	9438	0	0.00%	210.28	26	949	196.00	320.00	372.00	479.00	94.54	56.56	26.53		
企业库上传文件信息_20并发	4716	0	0.00%	252.89	90	949	239.00	353.00	392.00	488.83	47.33	35.89	26.53		
企业库上传文件流_20并发	4702	0	0.00%	168.10	59	696	151.00	251.00	307.85	454.00	47.35	20.81	0.00		
登录获取token	20	0	0.00%	79.40	26	184	47.50	184.00	184.00	184.00	25.45	5.96	6.18		

Requests		Executions			Response Times (ms)							Throughput		Network (KB/sec)	
Label	#Samples	FAIL	Error %	Average	Min	Max	Median	90th pct	95th pct	99th pct	Transactions/s	Received	Sent		
Total	40681	0	0.00%	48.43	12	1470	38.00	80.00	102.00	153.00	407.63	20480.10	42.64		
下载检查_20并发	20339	0	0.00%	59.52	12	891	50.00	99.00	121.00	176.00	204.08	230.98	42.65		
文件下载_20并发	20322	0	0.00%	37.32	13	1470	30.00	58.00	75.00	125.00	204.77	20363.24	0.00		
登录获取token	20	0	0.00%	55.45	21	124	41.00	124.00	124.00	124.00	25.51	5.98	6.19		

Requests		Executions			Response Times (ms)							Throughput		Network (KB/sec)	
Label	#Samples	FAIL	Error %	Average	Min	Max	Median	90th pct	95th pct	99th pct	Transactions/s	Received	Sent		
Total	9824	0	0.00%	202.17	50	752	186.00	294.00	333.00	431.75	98.30	15.66	41.05		
文件共享_20并发	9804	0	0.00%	202.28	71	752	186.00	294.00	333.00	431.95	98.30	15.65	41.09		
登录获取token	20	0	0.00%	151.45	50	302	149.00	252.00	299.55	302.00	21.95	5.15	5.33		

Requests		Executions			Response Times (ms)							Throughput	Network (KB/sec)		
Label	#Samples	FAIL	Error %	Average	Min	Max	Median	90th pct	95th pct	99th pct	Transactions/s	Received	Sent		
Total	45616	0	0.00%	43.17	11	793	36.00	58.00	70.00	126.00	457.29	92.00	249.49		
文件外发_20并发	45596	0	0.00%	43.18	13	793	36.00	58.00	70.00	126.00	457.47	92.03	249.65		
登录获取token	20	0	0.00%	28.60	11	72	18.50	72.00	72.00	72.00	25.35	5.82	6.03		

Requests		Executions			Response Times (ms)							Throughput	Network (KB/sec)		
Label	#Samples	FAIL	Error %	Average	Min	Max	Median	90th pct	95th pct	99th pct	Transactions/s	Received	Sent		
Total	25802	0	0.00%	76.75	1	587	65.00	147.00	181.00	238.00	258.13	6019.19	0.05		
登录获取token	20	0	0.00%	54.35	22	99	44.50	99.00	99.00	99.00	25.13	5.77	5.98		
获取转档文件_20并发	12884	0	0.00%	46.20	1	587	36.00	81.00	114.75	190.00	129.33	5896.90	0.00		
获取预览信息_20并发	12898	0	0.00%	107.30	23	405	97.00	174.00	202.00	249.00	129.34	142.40	0.00		

Requests		Executions			Response Times (ms)						Throughput	Network (KB/sec)	
Label	#Samples	FAIL	Error %	Average	Min	Max	Median	90th pct	95th pct	99th pct	Transactions/s	Received	Sent
Total	13366	0	0.00%	148.36	21	1053	134.00	200.00	238.00	368.00	133.93	82.39	57.25
新建文件夹_20并发	13346	0	0.00%	148.51	51	1053	135.00	200.00	238.65	368.00	133.85	82.42	57.25
登录获取token	20	0	0.00%	47.85	21	86	39.00	83.90	85.90	86.00	25.19	5.90	6.11

团队库压测结果

Requests		Executions			Response Times (ms)						Throughput	Network (KB/sec)	
Label	#Samples	FAIL	Error %	Average	Min	Max	Median	90th pct	95th pct	99th pct	Transactions/s	Received	Sent
Total	9260	0	0.00%	214.61	63	669	205.00	327.00	368.00	457.39	92.34	56.15	25.91
团队库上传文件信息_20并发	4634	0	0.00%	261.38	83	669	249.00	360.00	400.00	476.30	46.29	35.94	25.95
团队库上传文件流_20并发	4625	0	0.00%	167.77	63	529	154.00	248.00	286.00	386.00	46.29	20.34	0.00
登录获取token	1	0	0.00%	115.00	115	115	115.00	115.00	115.00	115.00	8.70	2.00	2.06

Requests		Executions			Response Times (ms)							Throughput	Network (KB/sec)	
Label	#Samples	FAIL	Error %	Average	Min	Max	Median	90th pct	95th pct	99th pct	Transactions/s	Received	Sent	
Total	37909	0	0.00%	52.08	12	445	42.00	94.00	120.00	181.00	378.32	19019.13	39.54	
团队库下载检查_20并发	18959	0	0.00%	66.10	12	331	57.00	113.00	138.00	194.40	189.58	214.57	39.62	
团队库文件下载_20并发	18949	0	0.00%	38.05	13	445	31.00	63.00	80.00	123.50	189.71	18865.60	0.00	
登录获取token	1	0	0.00%	114.00	114	114	114.00	114.00	114.00	114.00	8.77	2.01	2.07	

Requests		Executions			Response Times (ms)							Throughput	Network (KB/sec)	
Label	#Samples	FAIL	Error %	Average	Min	Max	Median	90th pct	95th pct	99th pct	Transactions/s	Received	Sent	
Total	10770	0	0.00%	184.47	68	1533	163.00	278.00	322.00	434.29	107.42	17.10	44.57	
团队库文件共享_20并发	10769	0	0.00%	184.48	68	1533	163.00	278.00	322.00	434.30	107.57	17.12	44.63	
登录获取Token	1	0	0.00%	89.00	89	89	89.00	89.00	89.00	89.00	11.24	2.58	2.66	

Requests		Executions			Response Times (ms)							Throughput	Network (KB/sec)	
Label	#Samples	FAIL	Error %	Average	Min	Max	Median	90th pct	95th pct	99th pct	Transactions/s	Received	Sent	
Total	39368	0	0.00%	50.16	14	1017	43.00	72.00	92.00	190.00	393.02	79.06	214.89	
团队库文件外发_20并发	39367	0	0.00%	50.16	14	1017	43.00	72.00	92.00	190.00	393.57	79.17	215.19	
登录获取token	1	0	0.00%	70.00	70	70	70.00	70.00	70.00	70.00	14.29	3.28	3.38	

Requests		Executions			Response Times (ms)							Throughput	Network (KB/sec)		
Label	#Samples	FAIL	Error %	Average	Min	Max	Median	90th pct	95th pct	99th pct	Transactions/s	Received	Sent		
Total	26181	0	0.00%	75.74	1	454	64.00	145.00	179.00	237.00	261.19	6581.76	0.00		
团队库获取转档文件_20并发	13084	0	0.00%	47.34	1	454	37.00	84.00	121.00	200.15	130.91	6455.68	0.00		
团队库获取预览信息_20并发	13096	0	0.00%	104.11	22	401	91.00	173.00	201.00	253.00	130.83	145.22	0.00		
登录获取token	1	0	0.00%	81.00	81	81	81.00	81.00	81.00	81.00	12.35	2.83	2.92		

Requests		Executions			Response Times (ms)							Throughput	Network (KB/sec)	
Label	#Samples	FAIL	Error %	Average	Min	Max	Median	90th pct	95th pct	99th pct	Transactions/s	Received	Sent	
Total	16739	0	0.00%	118.52	38	1460	97.00	164.00	208.00	602.00	167.06	104.08	71.46	
团队库新建文件夹_20并发	16738	0	0.00%	118.53	38	1460	97.00	164.00	208.00	602.00	167.27	104.22	71.55	
登录获取token	1	0	0.00%	74.00	74	74	74.00	74.00	74.00	74.00	13.51	3.10	3.19	

个人库压测结果

Requests		Executions			Response Times (ms)						Throughput	Network (KB/sec)	
Label	#Samples	FAIL	Error %	Average	Min	Max	Median	90th pct	95th pct	99th pct	Transactions/s	Received	Sent
Total	10235	0	0.00%	194.11	64	616	185.00	295.00	330.00	404.00	102.07	62.06	28.63
个人库上传文件信息_20并发	5122	0	0.00%	250.42	117	616	241.00	330.00	361.00	432.77	51.16	39.72	28.68
个人库上传文件流_20并发	5112	0	0.00%	137.71	64	450	131.00	187.00	210.00	270.87	51.21	22.50	0.00
登录获取token	1	0	0.00%	100.00	100	100	100.00	100.00	100.00	100.00	10.00	2.29	2.38

Requests		Executions			Response Times (ms)							Throughput	Network (KB/sec)	
Label	#Samples	FAIL	Error %	Average	Min	Max	Median	90th pct	95th pct	99th pct	Transactions/s	Received	Sent	
Total	42083	0	0.00%	46.87	12	879	38.00	83.00	104.00	152.00	420.15	21124.44	43.91	
个人库下载检查_20并发	21044	0	0.00%	59.32	13	879	51.00	99.00	119.00	172.00	210.39	238.13	43.97	
个人库文件下载_20并发	21038	0	0.00%	34.42	12	201	29.00	55.00	68.00	94.00	210.58	20940.58	0.00	
登录获取token	1	0	0.00%	77.00	77	77	77.00	77.00	77.00	77.00	12.99	2.98	3.09	

Requests		Executions			Response Times (ms)							Throughput	Network (KB/sec)	
Label	#Samples	FAIL	Error %	Average	Min	Max	Median	90th pct	95th pct	99th pct	Transactions/s	Received	Sent	
Total	11665	0	0.00%	170.26	62	664	152.00	257.00	292.00	383.00	116.32	18.52	48.27	
个人库文件共享_20并发	11664	0	0.00%	170.27	62	664	152.00	257.00	292.00	383.00	116.52	18.55	48.35	
登录获取token	1	0	0.00%	119.00	119	119	119.00	119.00	119.00	119.00	8.40	1.93	2.00	

Requests		Executions			Response Times (ms)						Throughput	Network (KB/sec)	
Label	#Samples	FAIL	Error %	Average	Min	Max	Median	90th pct	95th pct	99th pct	Transactions/s	Received	Sent
Total	41368	0	0.00%	47.71	14	726	41.00	69.00	89.00	152.00	413.10	83.10	225.83
个人库文件外发_20并发	41367	0	0.00%	47.71	14	726	41.00	69.00	89.00	152.00	413.57	83.20	226.09
登录获取token	1	0	0.00%	60.00	60	60	60.00	60.00	60.00	60.00	16.67	3.82	3.97

Requests		Executions				Response Times (ms)					Throughput	Network (KB/sec)	
Label	#Samples	FAIL	Error %	Average	Min	Max	Median	90th pct	95th pct	99th pct	Transactions/s	Received	Sent
Total	23840	0	0.00%	83.17	1	504	71.00	164.00	200.00	266.00	237.84	4125.98	0.00
个人库获取转档文件_20并发	11914	0	0.00%	50.04	1	504	38.00	92.00	134.25	208.00	119.33	4011.07	0.00
个人库获取预览信息_20并发	11925	0	0.00%	116.28	29	471	102.00	192.00	220.00	279.74	119.19	131.03	0.00
登录获取token	1	0	0.00%	100.00	100	100	100.00	100.00	100.00	100.00	10.00	2.29	2.38

Requests		Executions			Response Times (ms)						Throughput	Network (KB/sec)	
Label	#Samples	FAIL	Error %	Average	Min	Max	Median	90th pct	95th pct	99th pct	Transactions/s	Received	Sent
Total	13553	0	0.00%	146.43	43	2770	115.00	206.00	255.00	1057.00	135.29	84.55	57.86
个人库新建文件夹_20并发	13552	0	0.00%	146.44	43	2770	115.00	206.00	255.00	1057.00	135.47	84.67	57.94
登录获取token	1	0	0.00%	85.00	85	85	85.00	85.00	85.00	85.00	11.76	2.70	2.80

上面的关于文件相关的压测没有出现报错。