

AWS/ECS CLI COMMANDS AND NODE-APP-POF

Amazon CLI for Elastic Container service.

Installation steps

- Download

```
curl -o /usr/local/bin/ecs-cli  
https://s3.amazonaws.com/amazon-ecs-cli/ecs-cli-darwin-amd64-latest
```

- Apply permissions

```
chmod +x /usr/local/bin/ecs-cli
```

- Check for correct installation

```
ecs-cli --version  
ecs-cli version 0.4.1 (e27df48)
```

Configuration steps

```
ecs-cli configure --region us-west-2 --access-key $AWS_ACCESS_KEY_ID  
--secret-key $AWS_SECRET_ACCESS_KEY --cluster ecs-cli-demo
```

Assigned the role “AmazonEC2ContainerServiceFullAccess” otherwise CLI will report permission denied!

Amazon Web services CLI

Install with yum install awscli

Or:

```
curlhttps://s3.amazonaws.com/aws-cli/awscli-bundle.zip -o awscli-bundle.zip  
unzip awscli-bundle.zip  
sudo ./awscli-bundle/install -i /usr/local/aws -b /usr/local/bin/aws  
aws --version
```

Amazon ECS API Integration Proof-Of-Concept Application

Objective:

The objective of this application is to test how our in-house systems can interact with AWS/ECS. This is very interesting, as it will give us the possibility to create our own schedulers and extract metrics that can be integrated into custom made monitoring and visualization systems such as an ELK stack (ElasticSearch - Logstash - Kibana).

Technical Overview:

The app uses nodejs and jquery to access the AWS/ECS CLI. Every second, a call is made to the correspondent URL from jquery, and nodejs will query the CLI to get the necessary information. Then this information is returned to the client. The update button will set the number for “desired count” in the service configuration.

CODE: <https://github.com/acanessa/good-uncle-ecs>

Using ECS via API and CLI. EXAMPLES.

List containers

```
root@ip-172-31-40-103:~# /usr/local/bin/aws ecs list-container-instances --cluster default
{
  "containerInstanceArns": [
    "arn:aws:ecs:us-west-2:520710614288:container-instance/86db3e95-ceed-4ca2-ab66-fe371e77fd6a",
    "arn:aws:ecs:us-west-2:520710614288:container-instance/89389a81-b9eb-4c70-92d0-49e927272d8e"
  ]
}
```

List tasks

```
root@ip-172-31-40-103:~# aws ecs list-tasks --cluster default
{
  "taskArns": [
    "arn:aws:ecs:us-west-2:520710614288:task/2c204205-4dfc-421f-b504-c918578dd232",
    "arn:aws:ecs:us-west-2:520710614288:task/b9b7d08d-1471-43e6-b65c-d4788d18fa1e",
    "arn:aws:ecs:us-west-2:520710614288:task/bf3d45a7-85f7-433b-8e7b-660dceacbc27",
    "arn:aws:ecs:us-west-2:520710614288:task/ca47ec81-381a-452e-b24a-ca17c9cf64fa",
    "arn:aws:ecs:us-west-2:520710614288:task/f6d5824a-aeed-4050-9fee-d8dd2a07f618"
  ]
}
```

List task in particular EC2 instance

```
root@ip-172-31-40-103:~# aws ecs list-tasks --cluster default --container-instance 89389a81-b9eb-4c70-92d0-49e927272d8e
{
  "taskArns": [
    "arn:aws:ecs:us-west-2:520710614288:task/2c204205-4dfc-421f-b504-c918578dd232",
    "arn:aws:ecs:us-west-2:520710614288:task/b9b7d08d-1471-43e6-b65c-d4788d18fa1e",
    "arn:aws:ecs:us-west-2:520710614288:task/ca47ec81-381a-452e-b24a-ca17c9cf64fa"
  ]
}
```

List service definitions

```
root@ip-172-31-40-103:~# aws ecs list-task-definitions
{
  "taskDefinitionArns": [
    "arn:aws:ecs:us-west-2:520710614288:task-definition/task-node:15",
    "arn:aws:ecs:us-west-2:520710614288:task-definition/task-node:16",
    "arn:aws:ecs:us-west-2:520710614288:task-definition/task-node:17",
    "arn:aws:ecs:us-west-2:520710614288:task-definition/task-node:18"
  ]
}
```

Start task

```
root@ip-172-31-40-103:~# aws ecs start-task --task-definition task-node:18 --container-instance
89389a81-b9eb-4c70-92d0-49e927272d8e --cluster default
```

```
{
  "failures": [],
  "tasks": [
    {
      "taskArn": "arn:aws:ecs:us-west-2:520710614288:task/54482fa7-eaad-43
16-ae19-795fd3cdccb4",
      "overrides": {
        "containerOverrides": [
          {
            "name": "image-node"
          }
        ]
      },
      "lastStatus": "PENDING",
      "containerInstanceArn": "arn:aws:ecs:us-west-2:520710614288:containe
r-instance/89389a81-b9eb-4c70-92d0-49e927272d8e",
      "createdAt": 1473366722.74,
      "clusterArn": "arn:aws:ecs:us-west-2:520710614288:cluster/default",
      "desiredStatus": "RUNNING",
      "taskDefinitionArn": "arn:aws:ecs:us-west-2:520710614288:task-defini tion/task-node:18",
      "containers": [
        {
          "containerArn": "arn:aws:ecs:us-west-2:520710614288:container/a9baccd8-4d0b-4b36-b8a4-19deb1917f8b",
          "taskArn": "arn:aws:ecs:us-west-2:520710614288:task/54482fa7
-eaad-4316-ae19-795fd3cdccb4",
          "lastStatus": "PENDING",
          "name": "image-node"
        }
      ]
    }
  ]
}
```

Stop a task

```
root@ip-172-31-40-103:~# aws ecs stop-task --task 2c204205-4dfc-421f-b504-c918578dd232 --cluster default
```

```
{
  "task": {
    "taskArn": "arn:aws:ecs:us-west-2:520710614288:task/2c204205-4dfc-421f-b504-c918578dd232",
    "overrides": {
      "containerOverrides": [
        {
          "name": "image-node"
        }
      ]
    },
    "lastStatus": "RUNNING",
    "containerInstanceArn": "arn:aws:ecs:us-west-2:520710614288:container-instance/89389a81-b9eb-4c70-92d0-49e927272d8e",
    "createdAt": 1473365866.108,
    "clusterArn": "arn:aws:ecs:us-west-2:520710614288:cluster/default",
    "startedAt": 1473365868.156,
    "desiredStatus": "STOPPED",
    "stoppedReason": "Task stopped by user",
    "taskDefinitionArn": "arn:aws:ecs:us-west-2:520710614288:task-definition/task-node:18",
    "startedBy": "ecs-svc/9223370563622701158",
    "containers": [
      {
        "containerArn": "arn:aws:ecs:us-west-2:520710614288:container/fad1e108-5253-4998-bdac-a6b21ea1f836",
        "taskArn": "arn:aws:ecs:us-west-2:520710614288:task/2c204205-4dfc-421f-b504-c918578dd232",
        "lastStatus": "RUNNING",
        "name": "image-node",
        "networkBindings": [
          {
            "protocol": "tcp",
            "bindIP": "0.0.0.0",
            "containerPort": 8080,
            "hostPort": 32875
          }
        ]
      }
    ]
  }
}
```

Update Service (Get ready to scroll down! Ha!)

```
root@ip-172-31-40-103:~# aws ecs update-service --service service-1 --desired-count 1
{
  "service": {
    "status": "ACTIVE",
    "taskDefinition": "arn:aws:ecs:us-west-2:520710614288:task-definition/task-node:18",
    "pendingCount": 0,
    "loadBalancers": [
      {
        "containerName": "image-node",
        "targetGroupArn":
arn:aws:elasticloadbalancing:us-west-2:520710614288:targetgroup/ecs-cluster-target/407a0ec55951549f",
        "containerPort": 8080
      }
    ],
    "roleArn": "arn:aws:iam::520710614288:role/ecsServiceRole",
    "createdAt": 1473209885.433,
    "desiredCount": 1,
    "serviceName": "service-1",
    "clusterArn": "arn:aws:ecs:us-west-2:520710614288:cluster/default",
    "serviceArn": "arn:aws:ecs:us-west-2:520710614288:service/service-1",
    "deploymentConfiguration": {
      "maximumPercent": 200,
      "minimumHealthyPercent": 50
    },
    "deployments": [
      {
        "status": "PRIMARY",
        "pendingCount": 0,
        "createdAt": 1473232074.649,
        "desiredCount": 1,
        "taskDefinition": "arn:aws:ecs:us-west-2:520710614288:task-definition/task-node:18",
        "updatedAt": 1473365907.871,
        "id": "ecs-svc/9223370563622701158",
        "runningCount": 5
      }
    ],
    "events": [
      {
        "message": "(service service-1) has reached a steady state.",
        "id": "37384c92-bf91-44b8-9f8f-1d711a68a925",
        "createdAt": 1473366986.696
      },
      {
        "message": "(service service-1) registered 1 targets in (target-group
arn:aws:elasticloadbalancing:us-west-2:520710614288:targetgroup/ecs-cluster-target/407a0ec55951549f)",
        "id": "9b347dd2-7395-48ae-acb9-aef2b66aae0a",
        "createdAt": 1473366965.615
      },
      {
        "message": "(service service-1) has started 1 tasks: (task 0437c13f-86f2-421a-950a-3d56c1842567).",
        "id": "0001b0a1-068a-4b9c-a94b-232bb3e648f5",
        "createdAt": 1473366953.233
      }
    ]
  }
}
```

```

    "message": "(service service-1) has reached a steady state.",
    "id": "e2c78d36-3ff5-4fe0-a838-25d7bbb08317",
    "createdAt": 1473366240.635
  },
  {
    "message": "(service service-1) has stopped 1 running tasks: (task 8fce6521-3941-486c-a9f6-b1e239fb088b).",
    "id": "8f1ead2a-2253-4305-b243-f60a9b60cf0b",
    "createdAt": 1473366230.292
  },
  {
    "message": "(service service-1) has begun draining connections on 1 tasks.",
    "id": "ebacaf6e-cc24-408e-9f68-dfd14b3ed6f7",
    "createdAt": 1473365920.22
  },
  {
    "message": "(service service-1) deregistered 1 targets in (target-group
arn:aws:elasticloadbalancing:us-west-2:520710614288:targetgroup/ecs-cluster-target/407a0ec55951549f)",
    "id": "d6240d40-4b8d-4a42-bee7-6a64e3bc3c0a",
    "createdAt": 1473365920.219
  },
  {
    "message": "(service service-1) has reached a steady state.",
    "id": "71276c20-f796-4f3c-acdf-e6172ed8a234",
    "createdAt": 1473365887.536
  },
  {
    "message": "(service service-1) registered 6 targets in (target-group
arn:aws:elasticloadbalancing:us-west-2:520710614288:targetgroup/ecs-cluster-target/407a0ec55951549f)",
    "id": "d725423b-7571-49ab-a64f-1df42c0de323",
    "createdAt": 1473365877.05
  },
  {
    "message": "(service service-1) registered 4 targets in (target-group
arn:aws:elasticloadbalancing:us-west-2:520710614288:targetgroup/ecs-cluster-target/407a0ec55951549f)",
    "id": "c6443876-7dd0-4a87-b4e8-f79419cc24f5",
    "createdAt": 1473365866.369
  },
  {
    "message": "(service service-1) has started 2 tasks: (task bf3d45a7-85f7-433b-8e7b-660dceacbc27) (task
2c204205-4dfc-421f-b504-c918578dd232).",
    "id": "d653290b-54ee-4170-ab7c-dad4fe798e32",
    "createdAt": 1473365866.115
  },
  {
    "message": "(service service-1) has begun draining connections on 4 tasks.",
    "id": "bf918d43-9510-40f7-a771-6c0656f9930e",
    "createdAt": 1473365692.005
  },
  {
    "message": "(service service-1) deregistered 4 targets in (target-group
arn:aws:elasticloadbalancing:us-west-2:520710614288:targetgroup/ecs-cluster-target/407a0ec55951549f)",
    "id": "73bb39df-e89e-4601-b71d-d5de93f58400",
    "createdAt": 1473365691.998
  },
  {
    "message": "(service service-1) has reached a steady state.",
    "id": "1a75fe3a-eff3-4eae-975b-926677cd9b87",

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```
    "createdAt": 1473365597.206
  },
  {
    "message": "(service service-1) registered 4 targets in (target-group
arn:aws:elasticloadbalancing:us-west-2:520710614288:targetgroup/ecs-cluster-target/407a0ec55951549f)",
    "id": "07fc8803-9e2d-42b2-bc96-76d66323fdc1",
    "createdAt": 1473365576.323
  },
  {
    "message": "(service service-1) has started 4 tasks: (task b9b7d08d-1471-43e6-b65c-d4788d18fa1e) (task
8fce6521-3941-486c-a9f6-b1e239fb088b) (task ca47ec81-381a-452e-b24a-ca17c9cf64fa) (task
f6d5824a-aeed-4050-9fee-d8dd2a07f618).",
    "id": "fb2a224e-830c-4407-9e87-6f460dbf0731",
    "createdAt": 1473365566.102
  },
  {
    "message": "(service service-1) has reached a steady state.",
    "id": "1681b16a-2629-4bae-b1f1-44400b4d599d",
    "createdAt": 1473365501.72
  },
  {
    "message": "(service service-1) has stopped 1 running tasks: (task 6d216014-d5a0-464d-95c6-d2ea4f3aae11).",
    "id": "57ddc463-5a56-4211-a0e6-3a87c93cb34a",
    "createdAt": 1473365490.803
  },
  {
    "message": "(service service-1) has stopped 3 running tasks: (task 7a3c405d-b499-4183-b7ea-d9b3b53fe74a) (task
97758252-39dc-49ce-bdd4-f96fd87582d0) (task 15650f72-41c8-414f-9dc3-94151079c43c).",
    "id": "2499b418-a7c1-4586-9740-a939e9086bf5",
    "createdAt": 1473365480.63
  },
  {
    "message": "(service service-1) has begun draining connections on 1 tasks.",
    "id": "cab0540b-d773-4c3f-9fee-bca9c6c37966",
    "createdAt": 1473365183.44
  },
  {
    "message": "(service service-1) deregistered 1 targets in (target-group
arn:aws:elasticloadbalancing:us-west-2:520710614288:targetgroup/ecs-cluster-target/407a0ec55951549f)",
    "id": "3f091414-4e5e-411e-9003-368fd516bf0f",
    "createdAt": 1473365183.438
  },
  {
    "message": "(service service-1) has begun draining connections on 3 tasks.",
    "id": "53129394-cd09-40cb-8b4c-73fd81a39883",
    "createdAt": 1473365172.736
  },
  {
    "message": "(service service-1) deregistered 3 targets in (target-group
arn:aws:elasticloadbalancing:us-west-2:520710614288:targetgroup/ecs-cluster-target/407a0ec55951549f)",
    "id": "1f92b3d1-3dc5-4157-8039-c0fbc732e512",
    "createdAt": 1473365172.733
  },
  {
    "message": "(service service-1) registered 1 targets in (target-group
arn:aws:elasticloadbalancing:us-west-2:520710614288:targetgroup/ecs-cluster-target/407a0ec55951549f)",
    "id": "256c36cf-98ab-4a6c-9297-9edb655cfa91",
```



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    "createdAt": 1473365162.421
  },
  {
    "message": "(service service-1) has started 1 tasks: (task 7a3c405d-b499-4183-b7ea-d9b3b53fe74a).",
    "id": "c7bc599b-5342-49cc-b463-7a46b105d02e",
    "createdAt": 1473365151.236
  },
  {
    "message": "(service service-1) has reached a steady state.",
    "id": "fcb69aca-3fc1-451a-818c-69b5c982144b",
    "createdAt": 1473365118.605
  },
  {
    "message": "(service service-1) registered 1 targets in (target-group
arn:aws:elasticloadbalancing:us-west-2:520710614288:targetgroup/ecs-cluster-target/407a0ec55951549f)",
    "id": "d14409c0-0244-4713-8f80-dfb61069e188",
    "createdAt": 1473365096.991
  },
  {
    "message": "(service service-1) has started 1 tasks: (task 15650f72-41c8-414f-9dc3-94151079c43c).",
    "id": "a3d0be97-c144-49e2-b8d7-b867ee3bac10",
    "createdAt": 1473365085.639
  },
  {
    "message": "(service service-1) registered 1 targets in (target-group
arn:aws:elasticloadbalancing:us-west-2:520710614288:targetgroup/ecs-cluster-target/407a0ec55951549f)",
    "id": "0c416c19-c4ef-494d-8530-ba0c7f9e7dc3",
    "createdAt": 1473365064.472
  },
  {
    "message": "(service service-1) has started 1 tasks: (task 97758252-39dc-49ce-bdd4-f96fd87582d0).",
    "id": "c5047cd4-26dd-43a8-8591-7532977f87de",
    "createdAt": 1473365054.93
  },
  {
    "message": "(service service-1) has reached a steady state.",
    "id": "fc6a6c70-7792-45aa-86d0-80252f4d7bce",
    "createdAt": 1473364765.665
  },
  {
    "message": "(service service-1) has stopped 1 running tasks: (task 1bbe9fb1-238c-4713-948a-f5f73a9db863).",
    "id": "f9857c56-1e70-49a8-ac08-341124c9b01f",
    "createdAt": 1473364755.404
  },
  {
    "message": "(service service-1) has begun draining connections on 1 tasks.",
    "id": "0d0fba3d-dfaa-491b-b02d-6706f4a48ac6",
    "createdAt": 1473364444.897
  },
  {
    "message": "(service service-1) deregistered 1 targets in (target-group
arn:aws:elasticloadbalancing:us-west-2:520710614288:targetgroup/ecs-cluster-target/407a0ec55951549f)",
    "id": "5eae2e3-58f4-4c9a-a8b9-7105f0dd72cb",
    "createdAt": 1473364444.896
  },
  {
    "message": "(service service-1) has reached a steady state.",

```

```
    "id": "db210075-a727-4f65-8629-bd433f7c4409",
    "createdAt": 1473364412.349
  },
  {
    "message": "(service service-1) registered 1 targets in (target-group
arn:aws:elasticloadbalancing:us-west-2:520710614288:targetgroup/ecs-cluster-target/407a0ec55951549f)",
    "id": "98d1d84b-3042-4c8f-b6be-236f50e6f404",
    "createdAt": 1473364391.026
  },
  {
    "message": "(service service-1) has started 1 tasks: (task 6d216014-d5a0-464d-95c6-d2ea4f3aae11).",
    "id": "fbd5eba-6f6d-4554-ab27-3d08e0ca8a37",
    "createdAt": 1473364379.171
  },
  {
    "message": "(service service-1) has reached a steady state.",
    "id": "f867a2af-2b28-42d7-aa20-87c9f9dc442c",
    "createdAt": 1473363639.755
  },
  {
    "message": "(service service-1) has stopped 3 running tasks: (task 83b082fe-9aff-4d12-92c1-72da26550f10) (task
b02464c2-eba5-4f03-bc54-a945db5be726) (task 2ffb63b-a3e0-4ede-9fd9-205d09ad2210).",
    "id": "58b3ae1b-8f20-42a8-93f4-5ab3af7a670e",
    "createdAt": 1473363629.199
  },
  {
    "message": "(service service-1) has begun draining connections on 3 tasks.",
    "id": "fc98864c-c2b2-4f57-8c3e-468f93e2fa8d",
    "createdAt": 1473363326.801
  },
  {
    "message": "(service service-1) deregistered 3 targets in (target-group
arn:aws:elasticloadbalancing:us-west-2:520710614288:targetgroup/ecs-cluster-target/407a0ec55951549f)",
    "id": "d39566ee-d469-4aed-9f9e-f98c49b3eef3",
    "createdAt": 1473363326.798
  },
  {
    "message": "(service service-1) has reached a steady state.",
    "id": "f5523f5f-66f6-4765-a877-e0bdf02981bb",
    "createdAt": 1473362911.477
  },
  {
    "message": "(service service-1) registered 2 targets in (target-group
arn:aws:elasticloadbalancing:us-west-2:520710614288:targetgroup/ecs-cluster-target/407a0ec55951549f)",
    "id": "c2bb5650-42ac-4733-a329-d1dfcbf88e4e",
    "createdAt": 1473362890.014
  },
  {
    "message": "(service service-1) has started 2 tasks: (task 2ffb63b-a3e0-4ede-9fd9-205d09ad2210) (task
b02464c2-eba5-4f03-bc54-a945db5be726).",
    "id": "91c4ae1a-cb5b-46c3-858b-020c51fab42e",
    "createdAt": 1473362878.582
  },
  {
    "message": "(service service-1) has stopped 2 running tasks: (task d9d9be4e-2e98-4c82-885d-7cca7ab7bfe7) (task
4b057dea-9c91-48af-ae9f-4222916fd661).",
    "id": "468182d9-1494-41c6-a885-c2eb38b9fd2d",
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    "createdAt": 1473362867.63
  },
  {
    "message": "(service service-1) deregistered 2 targets in (target-group
arn:aws:elasticloadbalancing:us-west-2:520710614288:targetgroup/ecs-cluster-target/407a0ec55951549f)",
    "id": "c54ab22a-8065-442e-bb9f-c26d4fd701b8",
    "createdAt": 1473362867.583
  },
  {
    "message": "(service service-1) (instance i-5236674a) (port 32877) is unhealthy in (target-group
arn:aws:elasticloadbalancing:us-west-2:520710614288:targetgroup/ecs-cluster-target/407a0ec55951549f) due to (reason Target is
in the stopped state)",
    "id": "9ca9061b-038e-4370-8869-701b93d19757",
    "createdAt": 1473362867.559
  },
  {
    "message": "(service service-1) (instance i-5236674a) (port 32875) is unhealthy in (target-group
arn:aws:elasticloadbalancing:us-west-2:520710614288:targetgroup/ecs-cluster-target/407a0ec55951549f) due to (reason Target is
in the stopped state)",
    "id": "465d41ad-79fe-47a3-9707-24d9bd13ec1c",
    "createdAt": 1473362867.558
  },
  {
    "message": "(service service-1) failed to register targets in (target-group
arn:aws:elasticloadbalancing:us-west-2:520710614288:targetgroup/ecs-cluster-target/407a0ec55951549f) with (error
InvalidTarget)",
    "id": "0cee5048-2244-471b-81ec-e3eb38f102e1",
    "createdAt": 1473362867.472
  },
  {
    "message": "(service service-1) has reached a steady state.",
    "id": "f40f9543-479a-4a70-9850-0de43c14fb47",
    "createdAt": 1473342883.147
  },
  {
    "message": "(service service-1) has reached a steady state.",
    "id": "79afc934-7f5d-44f7-ba3d-75c03168fa56",
    "createdAt": 1473321266.809
  },
  {
    "message": "(service service-1) has reached a steady state.",
    "id": "d1b810b0-137f-429b-816b-d41937d0b7e6",
    "createdAt": 1473299647.28
  },
  {
    "message": "(service service-1) has reached a steady state.",
    "id": "2aa81d0a-a341-40f0-8989-fc8834651068",
    "createdAt": 1473278025.285
  },
  {
    "message": "(service service-1) registered 1 targets in (target-group
arn:aws:elasticloadbalancing:us-west-2:520710614288:targetgroup/ecs-cluster-target/407a0ec55951549f)",
    "id": "67c44f3a-e8cb-47cf-84f1-45dfa62fb5dd",
    "createdAt": 1473278004.094
  },
  {
    "message": "(service service-1) has started 1 tasks: (task 4b057dea-9c91-48af-ae9f-4222916fd661).",
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    "id": "779f4c3f-aa35-403c-b248-d8f6603b608c",
    "createdAt": 1473277993.77
  },
  {
    "message": "(service service-1) has stopped 1 running tasks: (task 85c2075b-7e9b-44cc-8992-c4f3c7f3a405).",
    "id": "82658827-08ec-4266-8dfa-3060fdbc2040",
    "createdAt": 1473277983.933
  },
  {
    "message": "(service service-1) deregistered 1 targets in (target-group
arn:aws:elasticloadbalancing:us-west-2:520710614288:targetgroup/ecs-cluster-target/407a0ec55951549f)",
    "id": "880177c6-38c9-427d-822d-698d6c59f99b",
    "createdAt": 1473277983.918
  },
  {
    "message": "(service service-1) (instance i-5236674a) (port 32876) is unhealthy in (target-group
arn:aws:elasticloadbalancing:us-west-2:520710614288:targetgroup/ecs-cluster-target/407a0ec55951549f) due to (reason Request
timed out)",
    "id": "3fe25ccf-4ff9-4d55-9254-21b55d31a817",
    "createdAt": 1473277983.893
  },
  {
    "message": "(service service-1) registered 1 targets in (target-group
arn:aws:elasticloadbalancing:us-west-2:520710614288:targetgroup/ecs-cluster-target/407a0ec55951549f)",
    "id": "de0b47f9-b68c-4a34-b961-8a5114ec9a4f",
    "createdAt": 1473277983.87
  },
  {
    "message": "(service service-1) has reached a steady state.",
    "id": "e69649ec-97b4-4aab-a8b5-41973c3b3e5d",
    "createdAt": 1473264199.245
  },
  {
    "message": "(service service-1) registered 1 targets in (target-group
arn:aws:elasticloadbalancing:us-west-2:520710614288:targetgroup/ecs-cluster-target/407a0ec55951549f)",
    "id": "9dadf5bd-5c9e-4766-9bd8-5691189e9cf3",
    "createdAt": 1473264178.292
  },
  {
    "message": "(service service-1) has started 1 tasks: (task 85c2075b-7e9b-44cc-8992-c4f3c7f3a405).",
    "id": "8c532677-fb1b-4865-b8a4-03763fcc50be",
    "createdAt": 1473264167.01
  },
  {
    "message": "(service service-1) has stopped 1 running tasks: (task 2d0d7fbb-ae36-48fe-8c6c-263e3bfca9fc).",
    "id": "f292d1bf-8258-404f-bc4b-cd0d6b415622",
    "createdAt": 1473264156.21
  },
  {
    "message": "(service service-1) deregistered 1 targets in (target-group
arn:aws:elasticloadbalancing:us-west-2:520710614288:targetgroup/ecs-cluster-target/407a0ec55951549f)",
    "id": "a033edbf-c97a-42b9-ae1b-1d1db6d6486a",
    "createdAt": 1473264156.144
  },
  {
  }
```

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      "message": "(service service-1) (instance i-5236674a) (port 32874) is unhealthy in (target-group
arn:aws:elasticloadbalancing:us-west-2:520710614288:targetgroup/ecs-cluster-target/407a0ec55951549f) due to (reason Request
timed out)",
      "id": "448680c8-723b-4eb3-8a13-4c76d6003cea",
      "createdAt": 1473264156.116
    },
    {
      "message": "(service service-1) registered 1 targets in (target-group
arn:aws:elasticloadbalancing:us-west-2:520710614288:targetgroup/ecs-cluster-target/407a0ec55951549f)",
      "id": "6bff5ff4-e554-4c33-a4c1-4699235a45a7",
      "createdAt": 1473264156.082
    },
    {
      "message": "(service service-1) has reached a steady state.",
      "id": "569f63e1-79ed-4ab5-a6cc-f47eb7e7d4dd",
      "createdAt": 1473262186.769
    },
    {
      "message": "(service service-1) registered 4 targets in (target-group
arn:aws:elasticloadbalancing:us-west-2:520710614288:targetgroup/ecs-cluster-target/407a0ec55951549f)",
      "id": "cff47035-86ea-4ca0-8aa9-ef3d3e654091",
      "createdAt": 1473262164.82
    },
    {
      "message": "(service service-1) has reached a steady state.",
      "id": "e6f77b8f-adee-44a9-8460-529ad75d2791",
      "createdAt": 1473261484.62
    },
    {
      "message": "(service service-1) registered 3 targets in (target-group
arn:aws:elasticloadbalancing:us-west-2:520710614288:targetgroup/ecs-cluster-target/407a0ec55951549f)",
      "id": "e4c665d7-d94f-4ab0-8bc1-d903075667ef",
      "createdAt": 1473261462.894
    },
    {
      "message": "(service service-1) has started 3 tasks: (task 83b082fe-9aff-4d12-92c1-72da26550f10) (task
d9d9be4e-2e98-4c82-885d-7cca7ab7bfe7) (task 1bbe9fb1-238c-4713-948a-f5f73a9db863).",
      "id": "f7f68c9b-747d-46dc-aed1-6429664be44b",
      "createdAt": 1473261451.218
    },
    {
      "message": "(service service-1) has reached a steady state.",
      "id": "cfa6a6b5-9e94-4391-bdc3-a6dc88b62d42",
      "createdAt": 1473250819.259
    },
    {
      "message": "(service service-1) registered 1 targets in (target-group
arn:aws:elasticloadbalancing:us-west-2:520710614288:targetgroup/ecs-cluster-target/407a0ec55951549f)",
      "id": "b48d75b6-c700-4be2-866c-44e9a9568a42",
      "createdAt": 1473250798.193
    },
    {
      "message": "(service service-1) has started 1 tasks: (task 2d0d7fbb-ae36-48fe-8c6c-263e3bfca9fc).",
      "id": "8c022c1b-0e48-4e38-9b7e-17a4c5b429c0",
      "createdAt": 1473250787.558
    },
    {

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    "message": "(service service-1) has stopped 1 running tasks: (task b2129d08-0eb5-412f-96c0-2461e16f63bc).",
    "id": "d6483e1b-6580-4f7f-bbbc-3563796ace6e",
    "createdAt": 1473250774.993
  },
  {
    "message": "(service service-1) deregistered 1 targets in (target-group
arn:aws:elasticloadbalancing:us-west-2:520710614288:targetgroup/ecs-cluster-target/407a0ec55951549f)",
    "id": "3c45763d-2b66-4d80-aa66-21f86cb69031",
    "createdAt": 1473250774.972
  },
  {
    "message": "(service service-1) (instance i-5236674a) (port 32873) is unhealthy in (target-group
arn:aws:elasticloadbalancing:us-west-2:520710614288:targetgroup/ecs-cluster-target/407a0ec55951549f) due to (reason Request
timed out)",
    "id": "9bf6e586-a8ef-4f49-8164-282562b654c7",
    "createdAt": 1473250774.942
  },
  {
    "message": "(service service-1) registered 1 targets in (target-group
arn:aws:elasticloadbalancing:us-west-2:520710614288:targetgroup/ecs-cluster-target/407a0ec55951549f)",
    "id": "3a807cf2-1bba-4242-95f1-f13b9dd1c9f1",
    "createdAt": 1473250774.911
  },
  {
    "message": "(service service-1) has reached a steady state.",
    "id": "4481251d-39f3-490a-8cf2-3846f0f6fa37",
    "createdAt": 1473236845.685
  },
  {
    "message": "(service service-1) registered 1 targets in (target-group
arn:aws:elasticloadbalancing:us-west-2:520710614288:targetgroup/ecs-cluster-target/407a0ec55951549f)",
    "id": "54719b2b-73b2-42cf-bbb8-db7714f99b98",
    "createdAt": 1473236824.22
  },
  {
    "message": "(service service-1) has started 1 tasks: (task b2129d08-0eb5-412f-96c0-2461e16f63bc).",
    "id": "6c4605b7-ffa2-449a-ba67-42b01b1db3e7",
    "createdAt": 1473236813.136
  },
  {
    "message": "(service service-1) has stopped 1 running tasks: (task 2101709d-f4fe-4501-9db8-ece195bfe668).",
    "id": "8aece8a4-93b3-4ef7-8668-89d51faf9f78",
    "createdAt": 1473236803.675
  },
  {
    "message": "(service service-1) deregistered 1 targets in (target-group
arn:aws:elasticloadbalancing:us-west-2:520710614288:targetgroup/ecs-cluster-target/407a0ec55951549f)",
    "id": "801cce43-15ce-4a0f-a640-17a9995b9064",
    "createdAt": 1473236803.658
  },
  {
    "message": "(service service-1) (instance i-c45200dc) (port 32866) is unhealthy in (target-group
arn:aws:elasticloadbalancing:us-west-2:520710614288:targetgroup/ecs-cluster-target/407a0ec55951549f) due to (reason Request
timed out)",
    "id": "ecb08a99-e62f-4ac3-9813-4197d50c5e14",
    "createdAt": 1473236803.638
  },
}
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{
  "message": "(service service-1) registered 1 targets in (target-group
arn:aws:elasticloadbalancing:us-west-2:520710614288:targetgroup/ecs-cluster-target/407a0ec55951549f)",
  "id": "2107a12d-7098-47ea-964f-4426824645f4",
  "createdAt": 1473236803.614
},
{
  "message": "(service service-1) has reached a steady state.",
  "id": "e8d1dc6b-02f1-418f-a2a9-cc5d4eb902ec",
  "createdAt": 1473232156.876
},
{
  "message": "(service service-1) registered 1 targets in (target-group
arn:aws:elasticloadbalancing:us-west-2:520710614288:targetgroup/ecs-cluster-target/407a0ec55951549f)",
  "id": "85613260-c5a2-4b4b-b532-347512153a7d",
  "createdAt": 1473232135.976
},
{
  "message": "(service service-1) has started 1 tasks: (task 2101709d-f4fe-4501-9db8-ece195bfe668).",
  "id": "2b71586e-e8b3-498b-ab96-9ef6879a7de4",
  "createdAt": 1473232093.423
},
{
  "message": "(service service-1) has reached a steady state.",
  "id": "ebdce9f7-5424-47f3-a8a7-55baab8b0a64",
  "createdAt": 1473231931.129
},
{
  "message": "(service service-1) registered 1 targets in (target-group
arn:aws:elasticloadbalancing:us-west-2:520710614288:targetgroup/ecs-cluster-target/407a0ec55951549f)",
  "id": "ca505921-0061-4633-8bfe-9c2c69219cf6",
  "createdAt": 1473231910.429
},
{
  "message": "(service service-1) has started 1 tasks: (task a525a9dd-3299-45cf-98f7-bb2e3ffcc91d).",
  "id": "ca6a5e30-966b-4001-b534-26b284c66274",
  "createdAt": 1473231899.125
},
{
  "message": "(service service-1) has begun draining connections on 2 tasks.",
  "id": "1afd73de-d57c-4baa-a29c-95e9e8b13cf7",
  "createdAt": 1473231718.415
},
{
  "message": "(service service-1) deregistered 2 targets in (target-group
arn:aws:elasticloadbalancing:us-west-2:520710614288:targetgroup/ecs-cluster-target/407a0ec55951549f)",
  "id": "8d19222e-2837-46dc-8b87-3fc0178d98d2",
  "createdAt": 1473231718.413
},
{
  "message": "(service service-1) has reached a steady state.",
  "id": "8880d585-e4fc-4c88-841c-70fd91f4acd6",
  "createdAt": 1473231622.265
},
{
  "message": "(service service-1) registered 3 targets in (target-group
arn:aws:elasticloadbalancing:us-west-2:520710614288:targetgroup/ecs-cluster-target/407a0ec55951549f)",

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      "id": "45fa37a5-319e-47a1-b364-d45a2870af0d",
      "createdAt": 1473231601.007
    },
    {
      "message": "(service service-1) has started 3 tasks: (task a0f95dd3-7ac3-44af-820d-abffdc0526e6) (task 30c2e471-2d33-404d-9703-7148511e078a) (task c98b44ad-e2f3-4bda-ab65-ba4bb3dbd001).",
      "id": "db8000d0-4826-4586-b3db-f4bb58625f36",
      "createdAt": 1473231568.951
    },
    {
      "message": "(service service-1) has reached a steady state.",
      "id": "4819a9ba-18f1-4995-8b32-51a32978813a",
      "createdAt": 1473231409.224
    },
    {
      "message": "(service service-1) registered 1 targets in (target-group arn:aws:elasticloadbalancing:us-west-2:520710614288:targetgroup/ecs-cluster-target/407a0ec55951549f)",
      "id": "ec55af1a-9c29-43ea-8e62-4ec6761c9112",
      "createdAt": 1473231387.556
    },
    {
      "message": "(service service-1) has started 1 tasks: (task 33aef3ac-ab89-40c0-9b07-76cf4ec290cd).",
      "id": "ef964716-ff08-47e6-8785-c8c748ca67b7",
      "createdAt": 1473231374.35
    },
    {
      "message": "(service service-1) has reached a steady state.",
      "id": "598d2a99-152d-4059-bab3-8f4c5721409e",
      "createdAt": 1473231212.981
    }
  ],
  "runningCount": 5
}
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