VPC

Monitored with CloudWatch

ENIs
ENIs
ENIs

Cluster

ECS networking mode:
awsvpc

Amazon ECS

monitoring

event
(event-based)

RULE: ecs-resources-available-on-cluster
{
    "source": [
        "aws.ecs"
    ],
    "detail-type": [
        "ECS Task State Change",
        "ECS Container Instance State Change"
    ]
}

Lambda
function

Amazon
CloudWatch

Custom Metrics on ECS Cluster posted
to CloudWatch on available ENI's, CPU
and MEM on the cluster.

Cloudwatch alarm created on custom
metric and is triggered based on desired
data point.

Example: EC2 instance type c5.xlarge
has 4 network interfaces on the host. If I
have 2 instances in my ECS cluster I
would have 8 available ENI's for my
tasks. The datapoint would be to add
another host to the cluster if only 2 ENI's
are left.

alarm

**Alarm triggers autoscaling group to add or remove
host in ECS clluster**