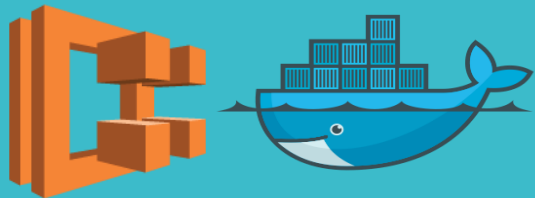


# Introduction To **AWS ECS**



# Expected Learning Outcomes

Introduction To AWS ECS



➔ **Amazon ECS**

➔ **Amazon ECS Related Services**



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# AWS ECS



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# NOVEMBER 2014

1 2 3 4 5 6 7 **8 9** 10 11 12 13 14 **15 16** 17 18 19 20 21 **22 23** 24 25 26 27 28 **29 30**



## AWS ECS



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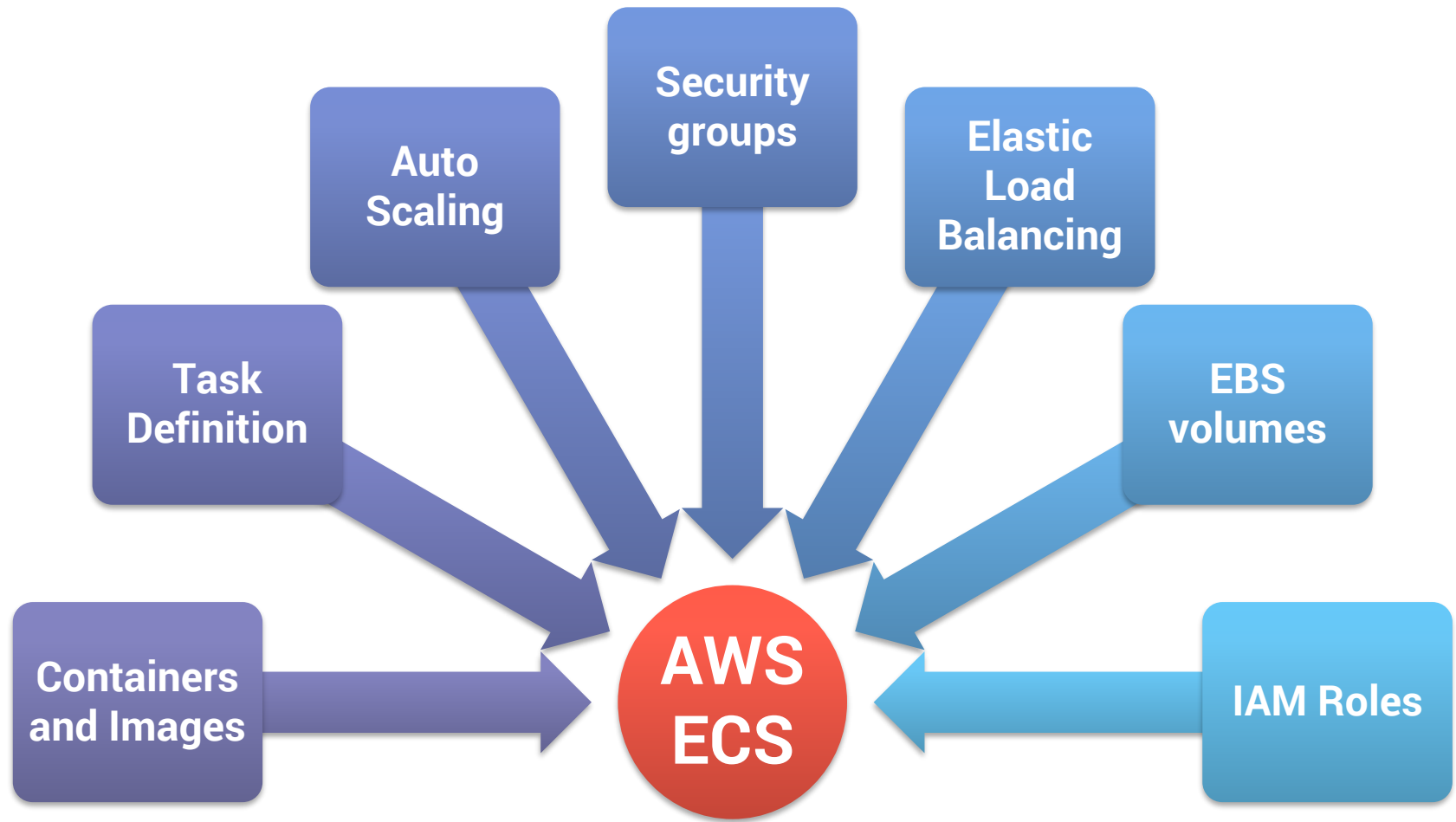


- Easily manage clusters of any scale
- Flexible container placement
- Integrates with other AWS services
- Extensible



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- ➔ **AWS Container EC2 Instance**
- ➔ **Run As Docker Daemon**
- ➔ **Run AWS ECS Container Agent**



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- AWS ECS Cluster
- Resource Pool
- Scale Dynamically



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**Task  
Definition**



**Container  
Definition**



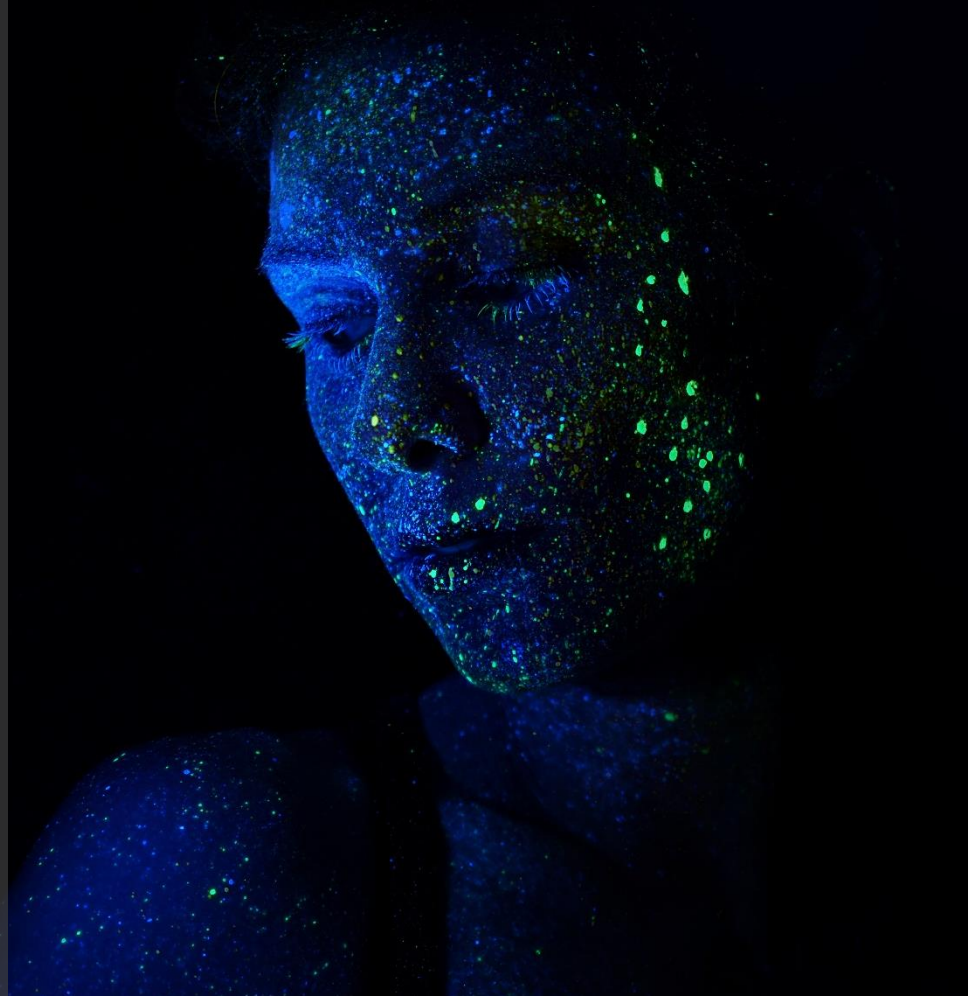
**Volume  
Definition**



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```
{  
  "family": "webserver",  
  "containerDefinitions": [  
    {  
      "name": "web",  
      "image": "nginx",  
      "cpu": 99,  
      "memory": 100,  
      "portMappings": [  
        {  
          "containerPort": 80,  
          "hostPort": 80  
        }  
      ]  
    }  
  ]  
}
```

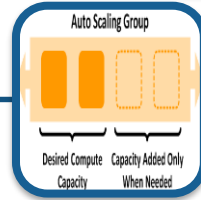


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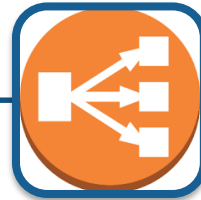




**AWS IAM**



**Auto Scaling**



**Elastic Load Balancing**



**Amazon EC2 Container Registry**





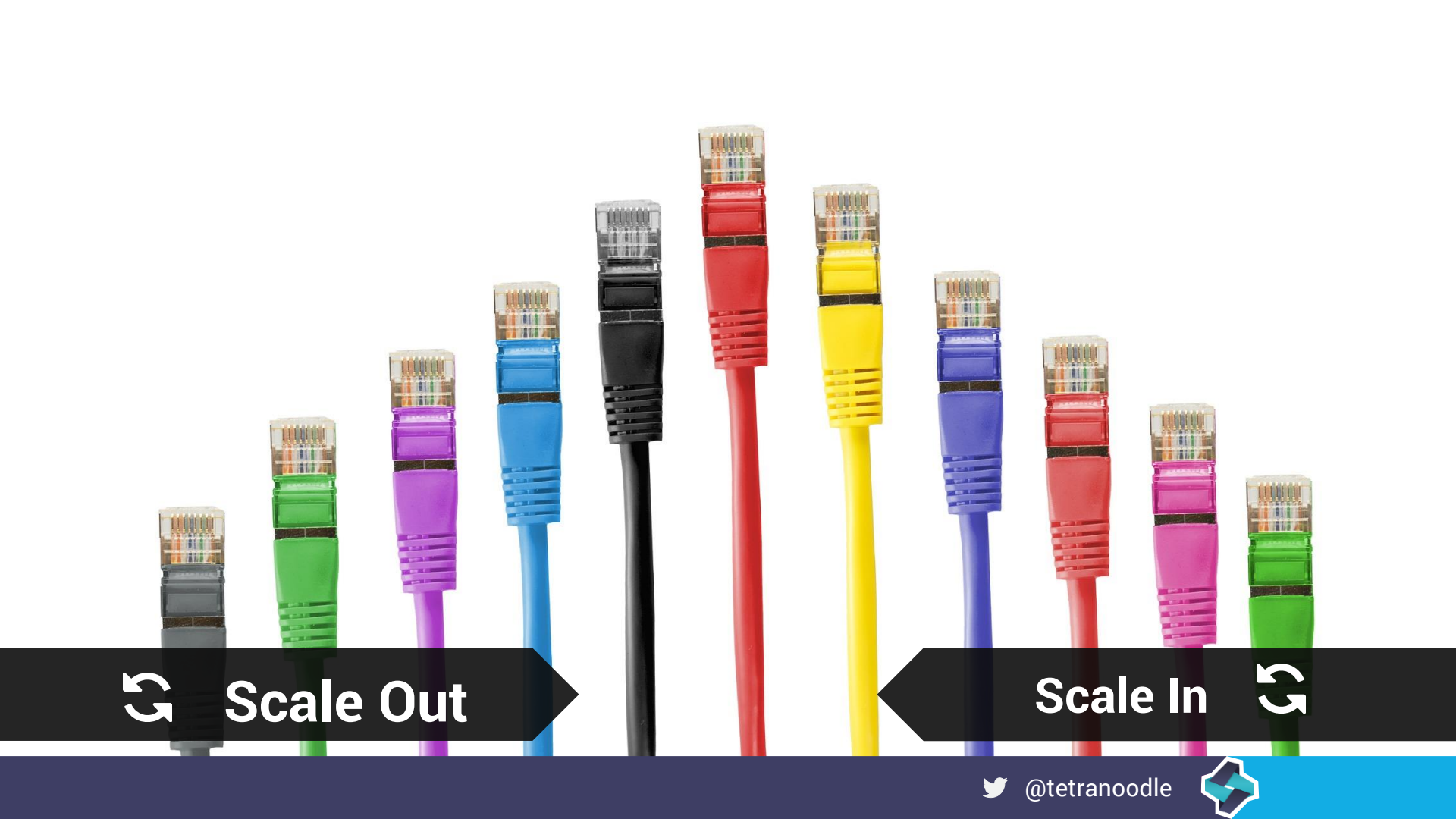


## Identity And Access Control



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**Scale Out**

**Scale In**



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## Traffic Distribution







# CONTAINER

## Image Registry



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# AWS ECS And AWS IAM

▶ DEMO



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# Amazon ECS Introduction





