Running Docker Applications using the EC2 Container Service



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Introduction

EC2 Container Service Overview

- ECS architecture

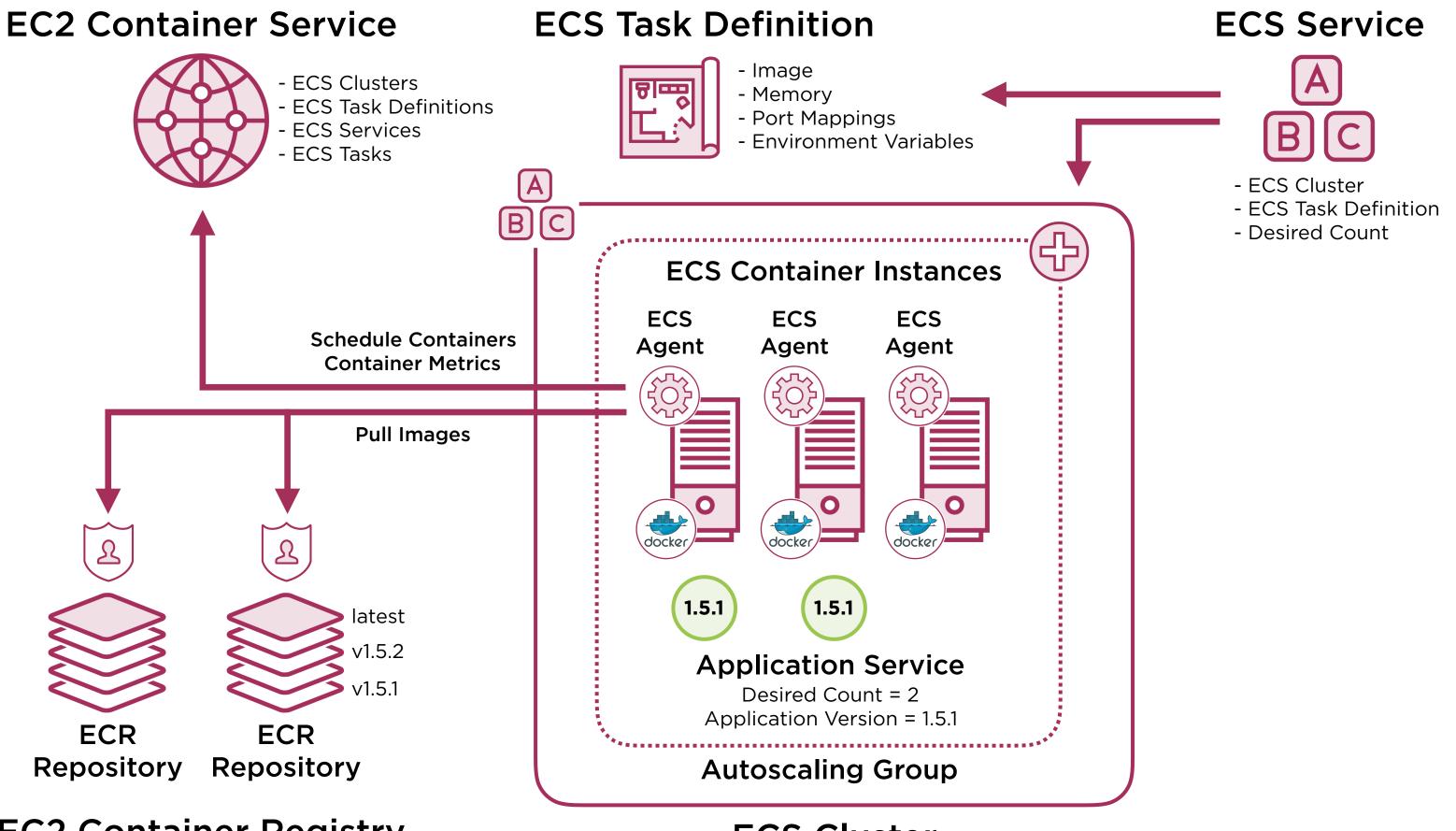
Publishing Docker Images to ECR

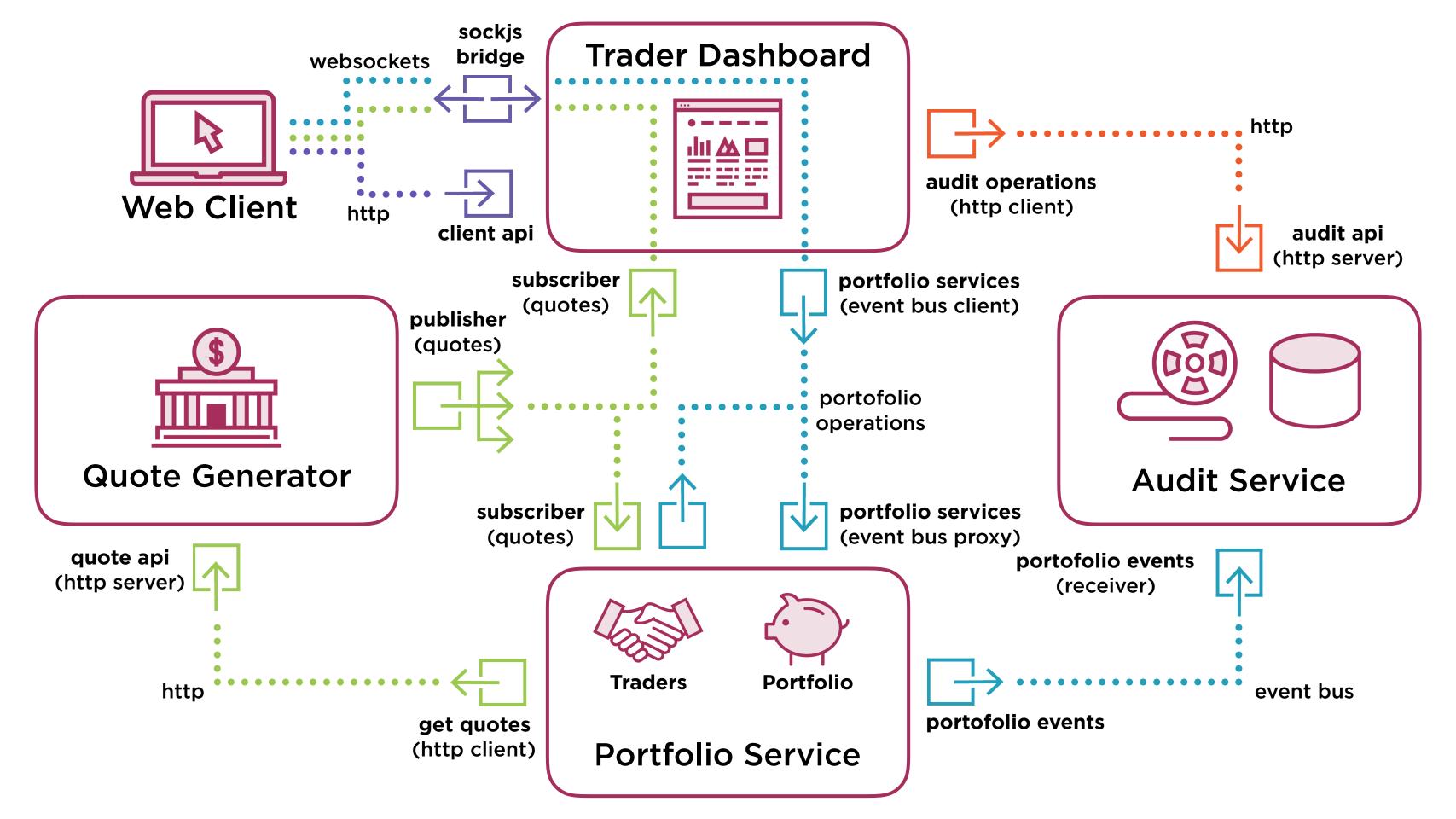
- Creating ECR repositories
- Publishing using the release pipeline

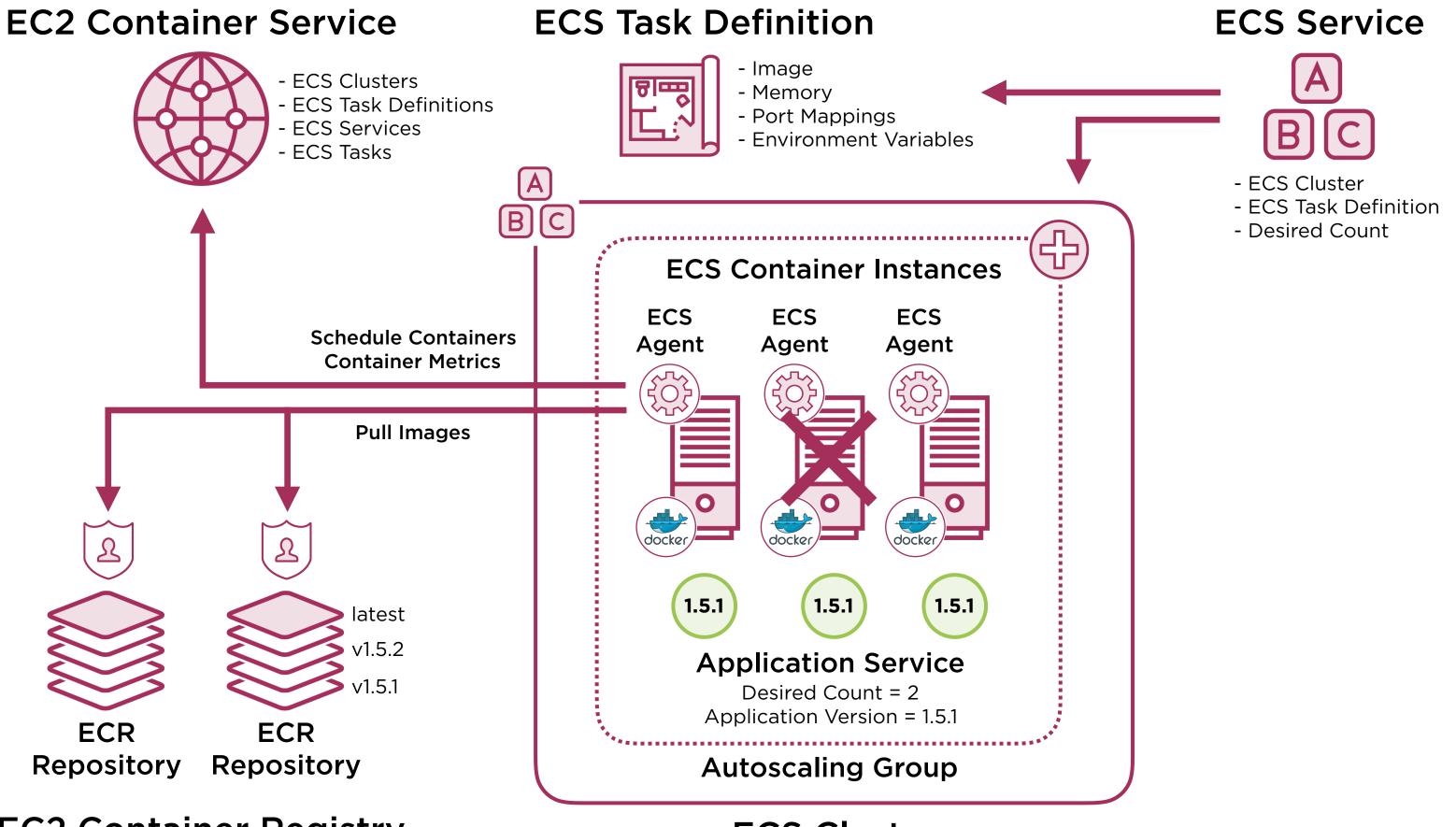
Running Docker Applications using ECS

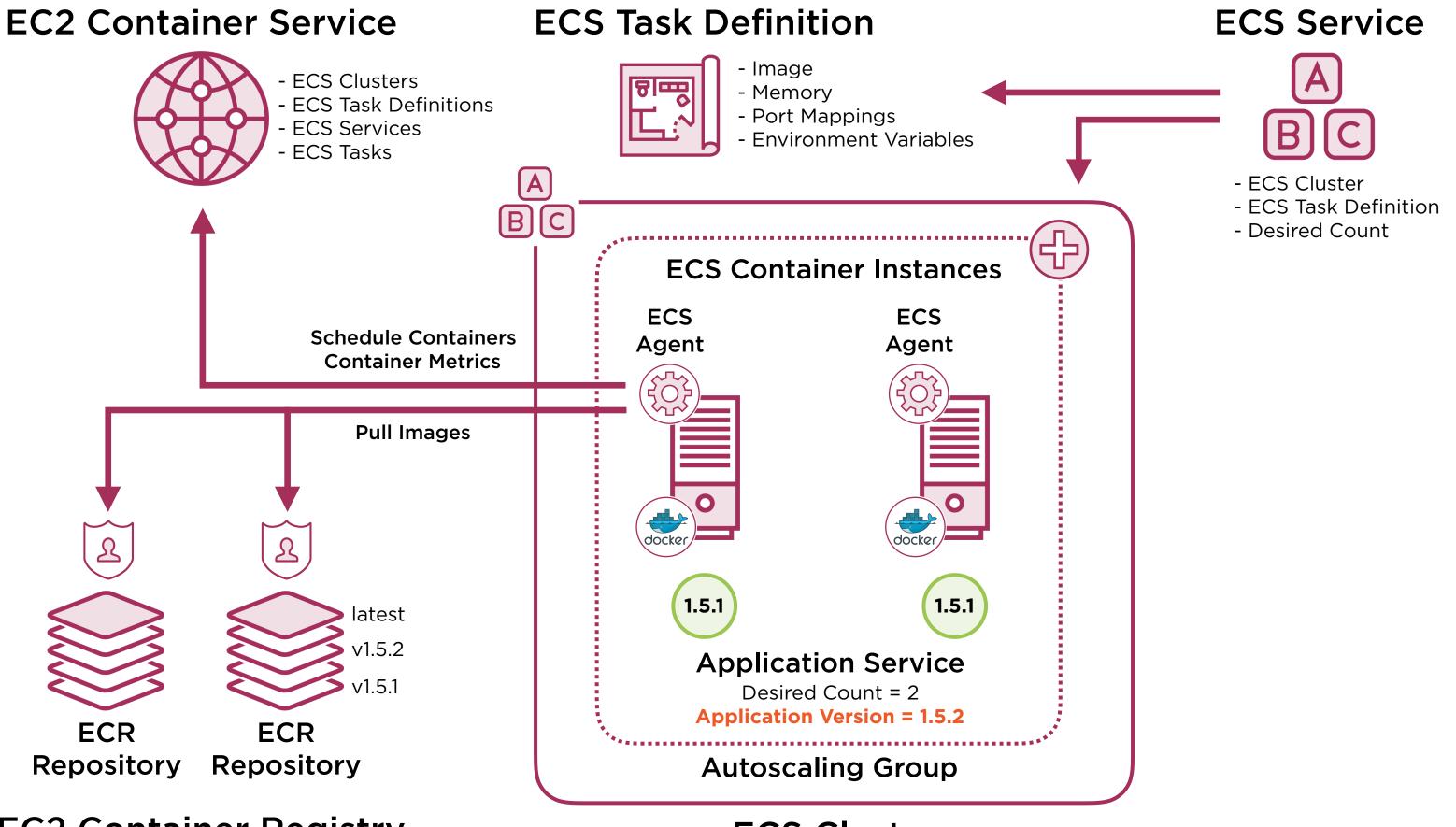
- Creating ECS clusters
- Creating ECS task definitions
- Running ECS services and tasks

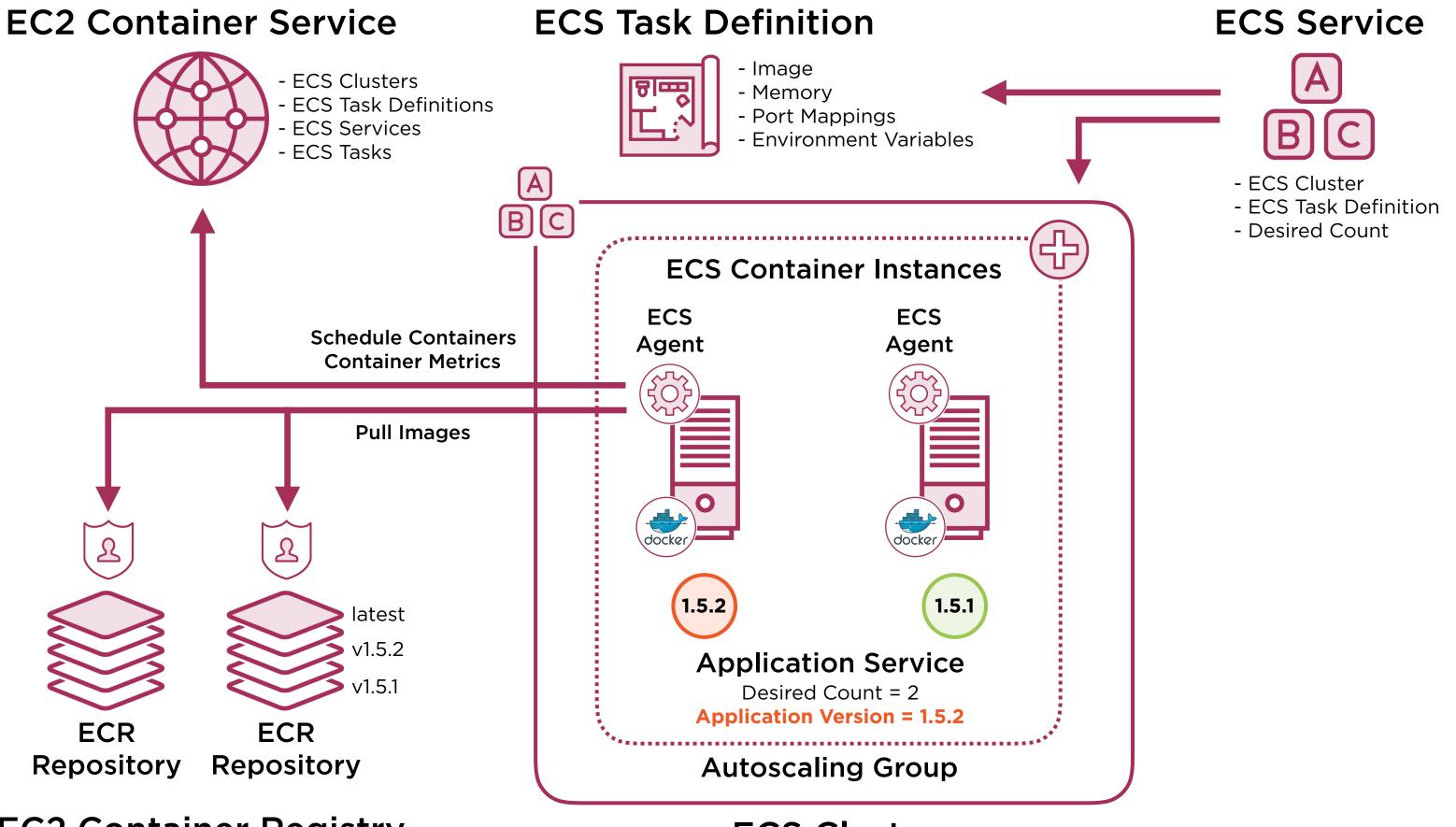
EC2 Container Service Overview

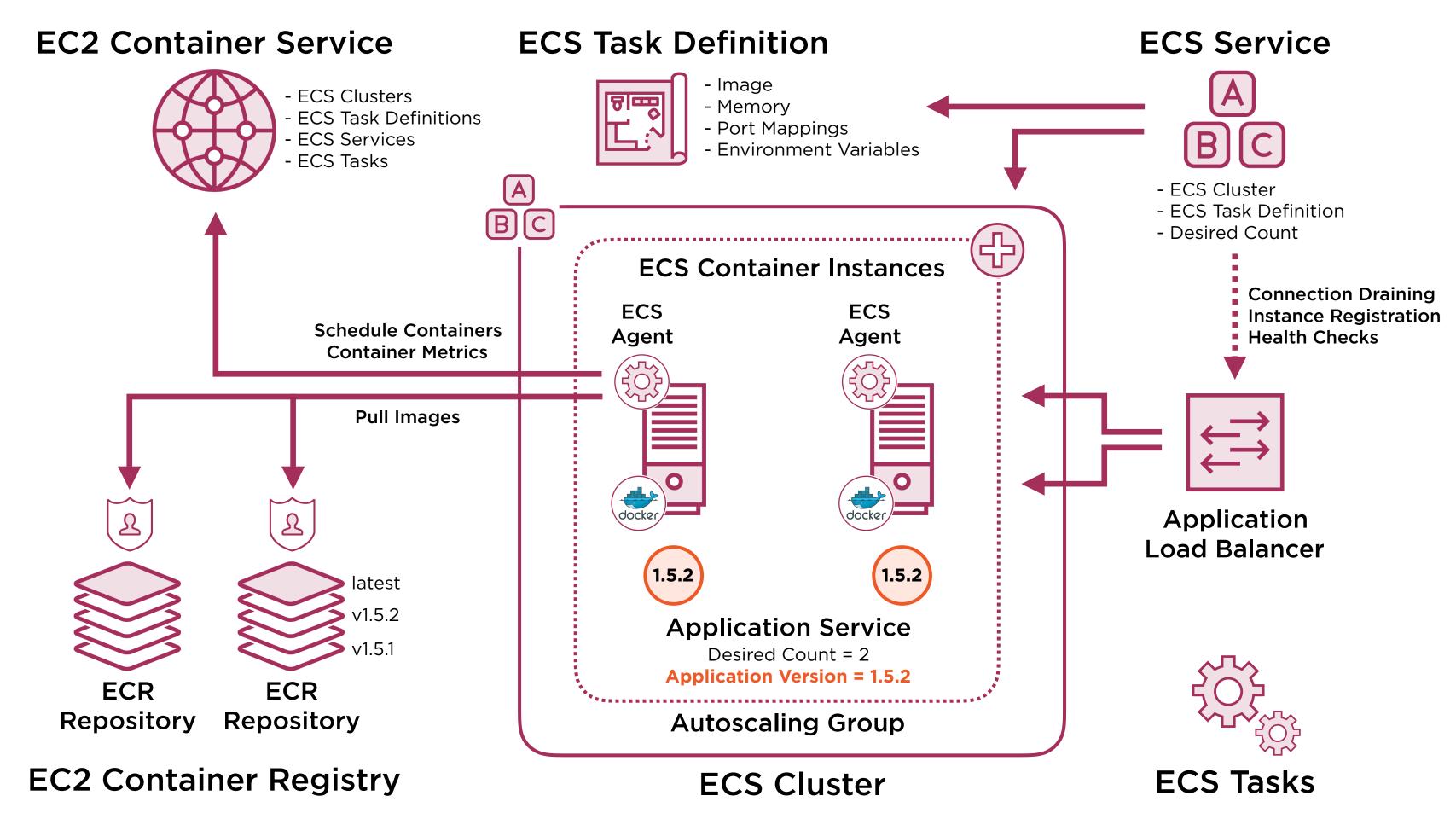








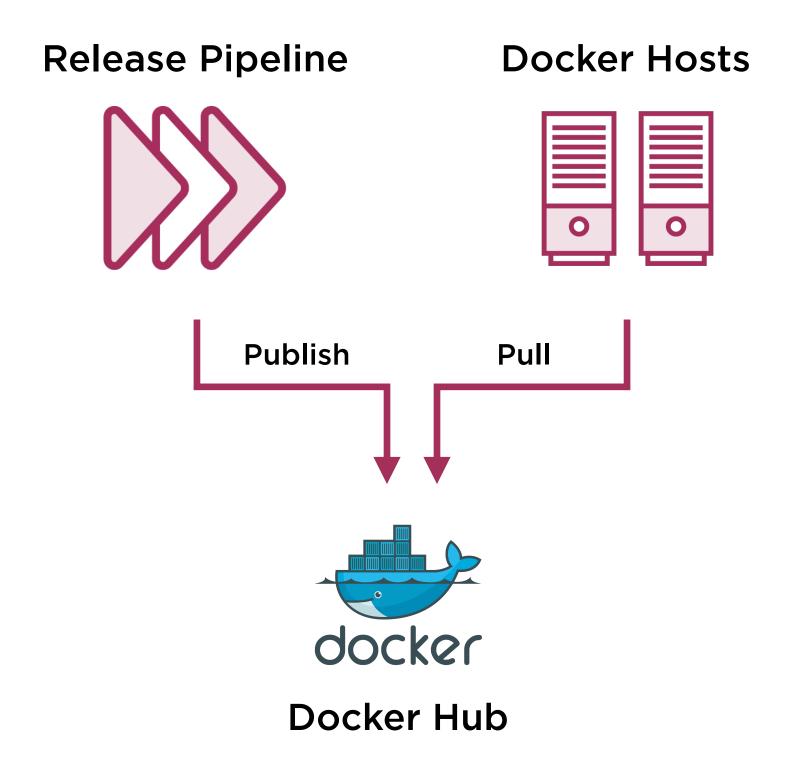


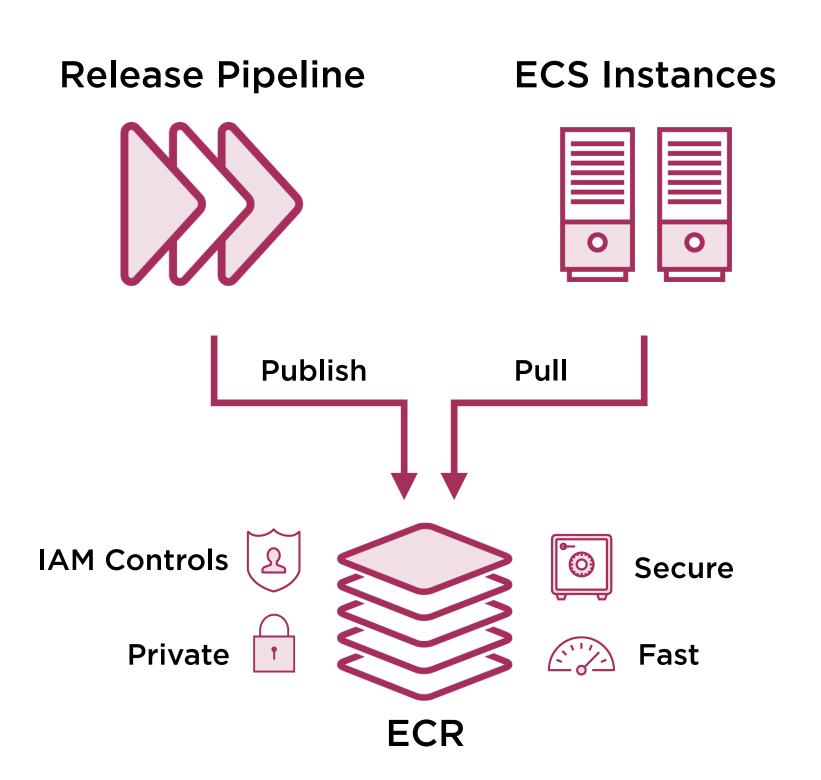


Publishing Images to EC2 Container Registry

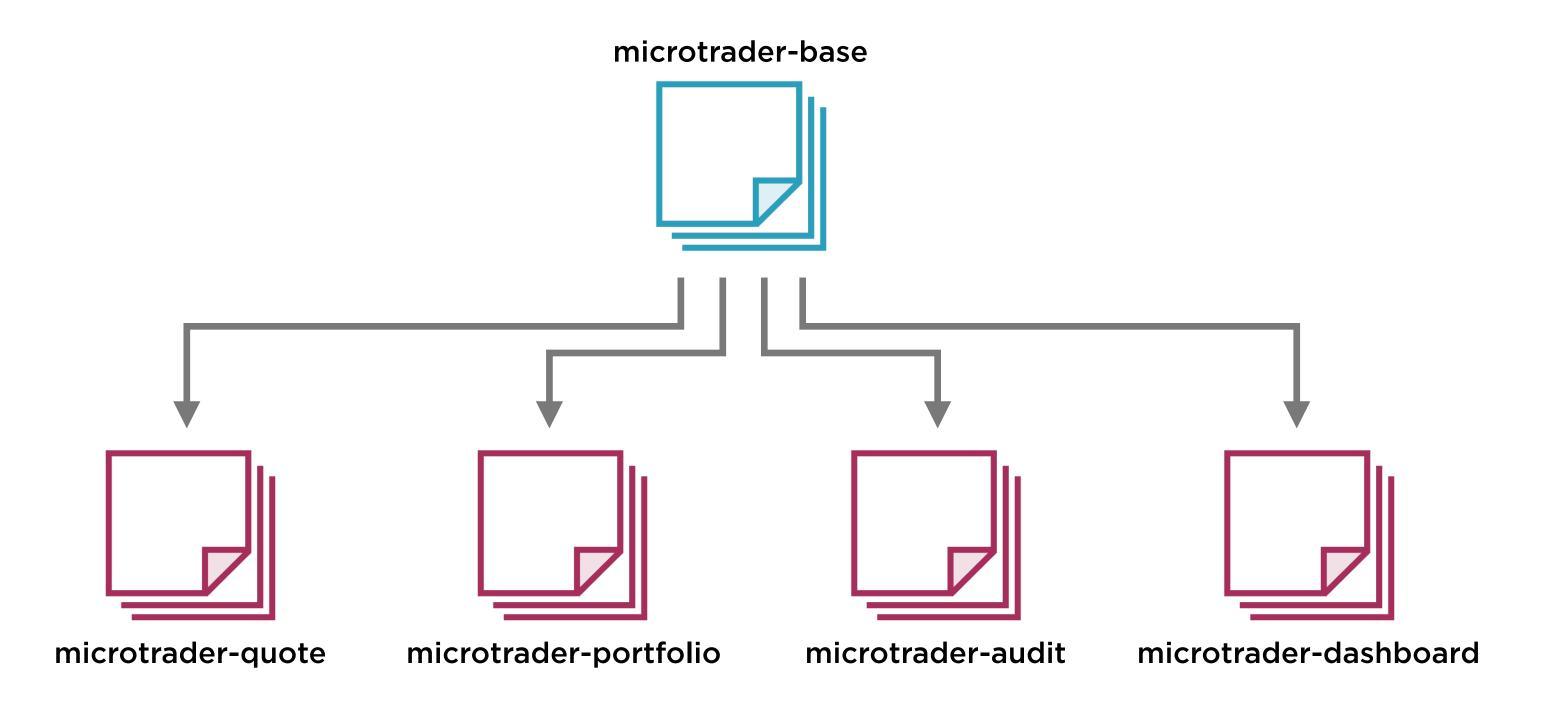
Docker Hub

EC2 Container Registry

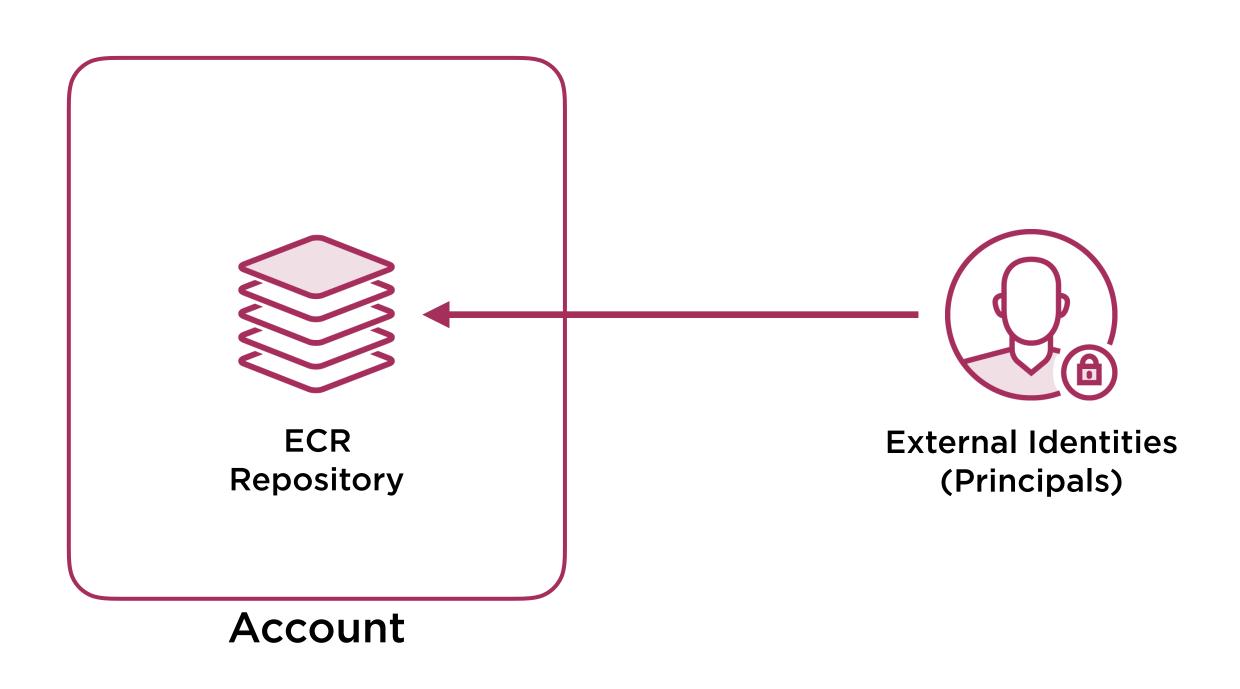




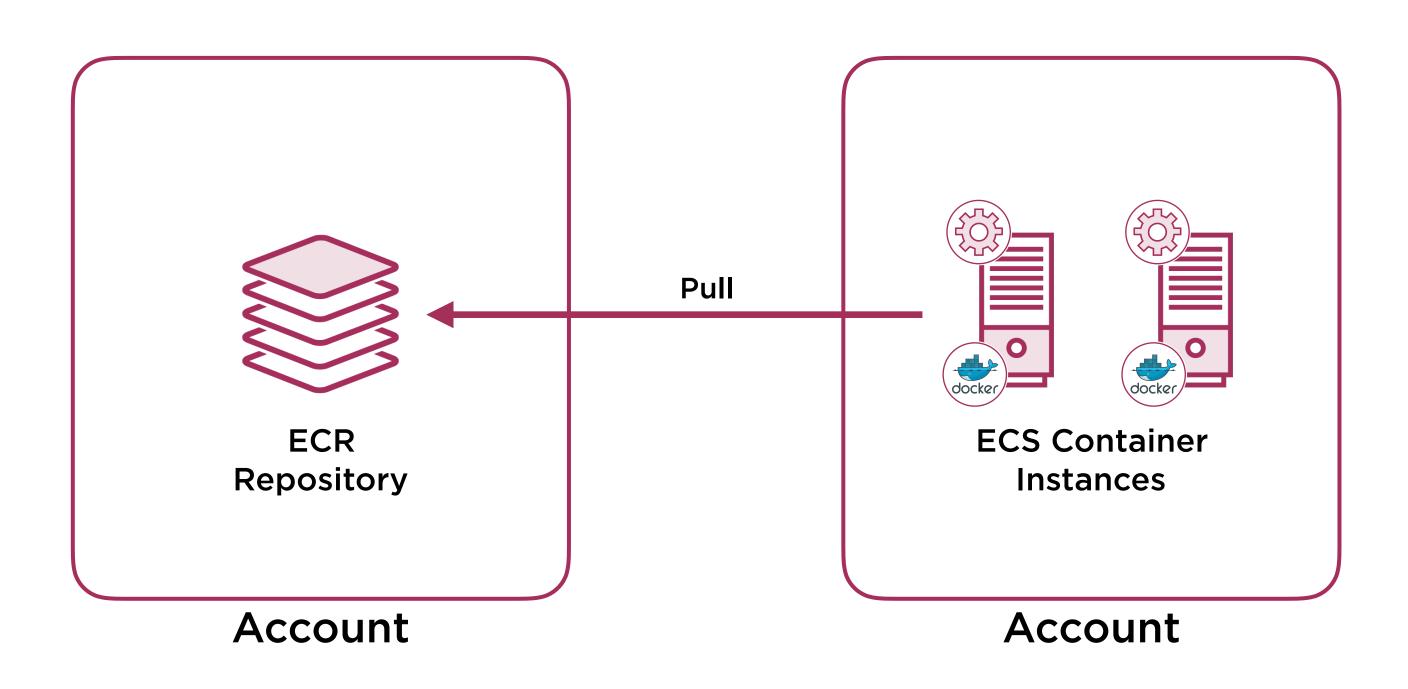
Microtrader Docker Image Hierarchy



Repository Permissions



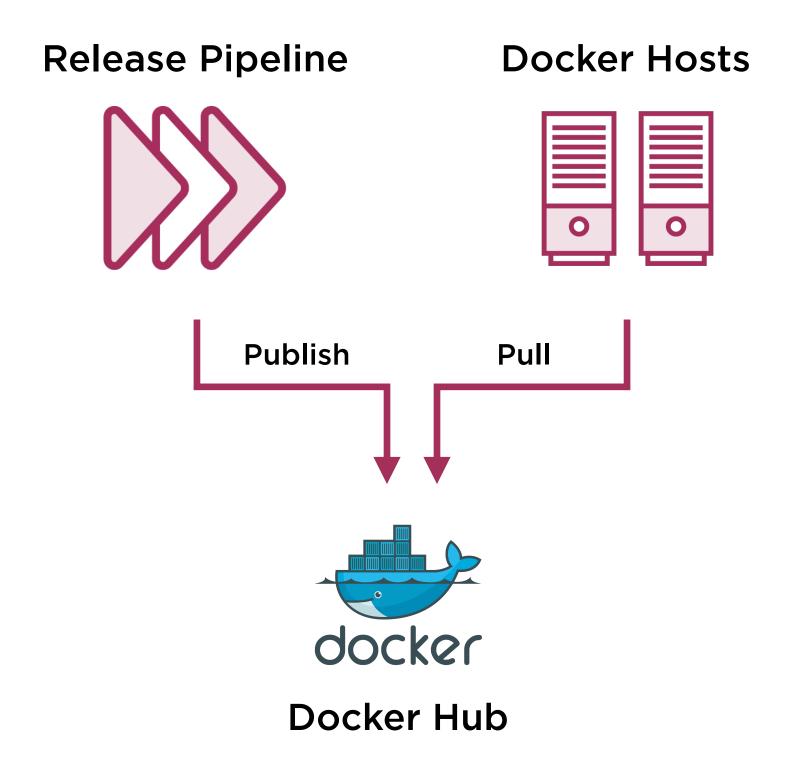
Repository Permissions

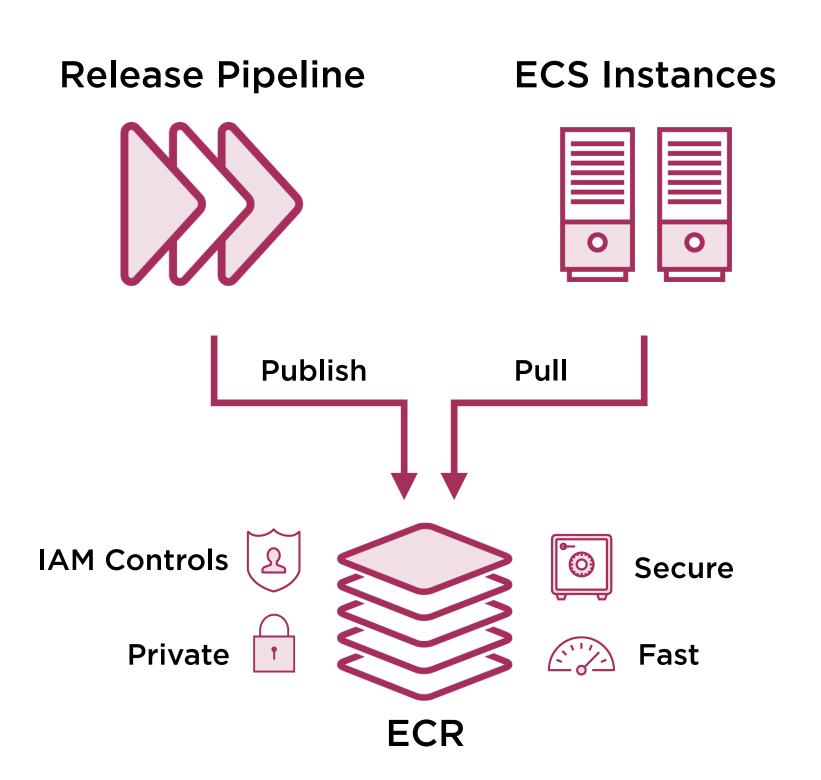


Publishing Images using the Release Pipeline

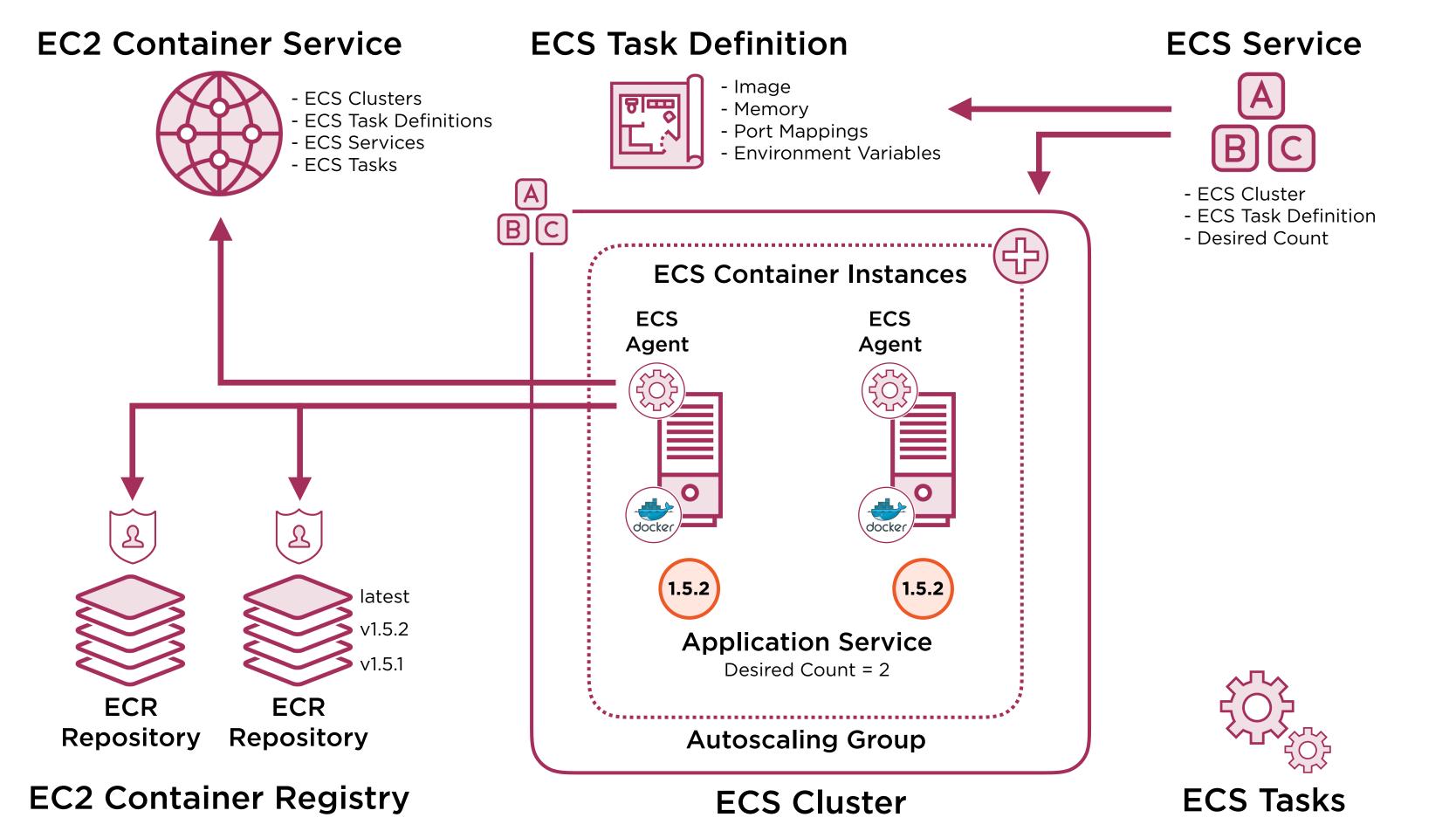
Docker Hub

EC2 Container Registry





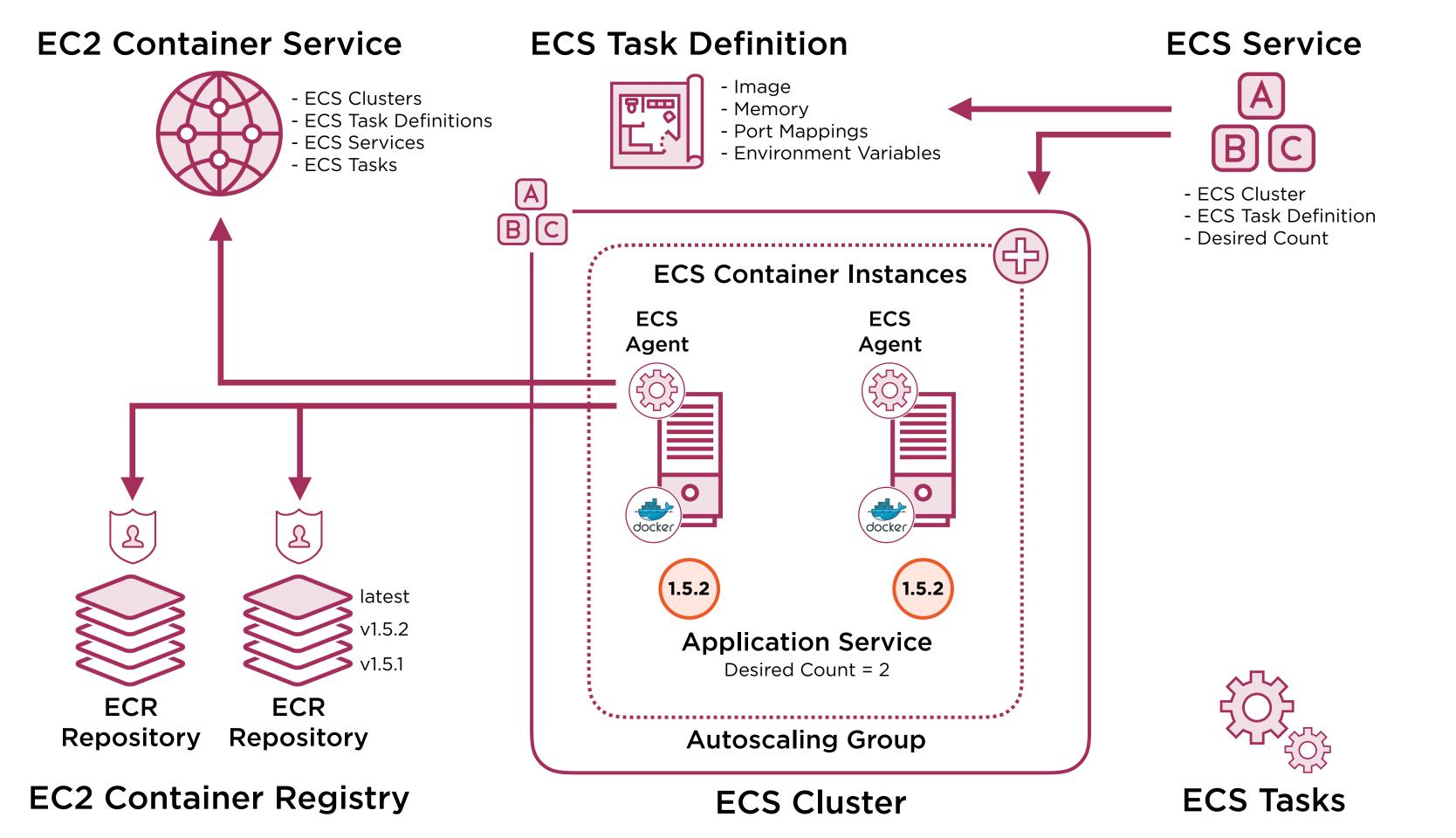
Creating an ECS Cluster

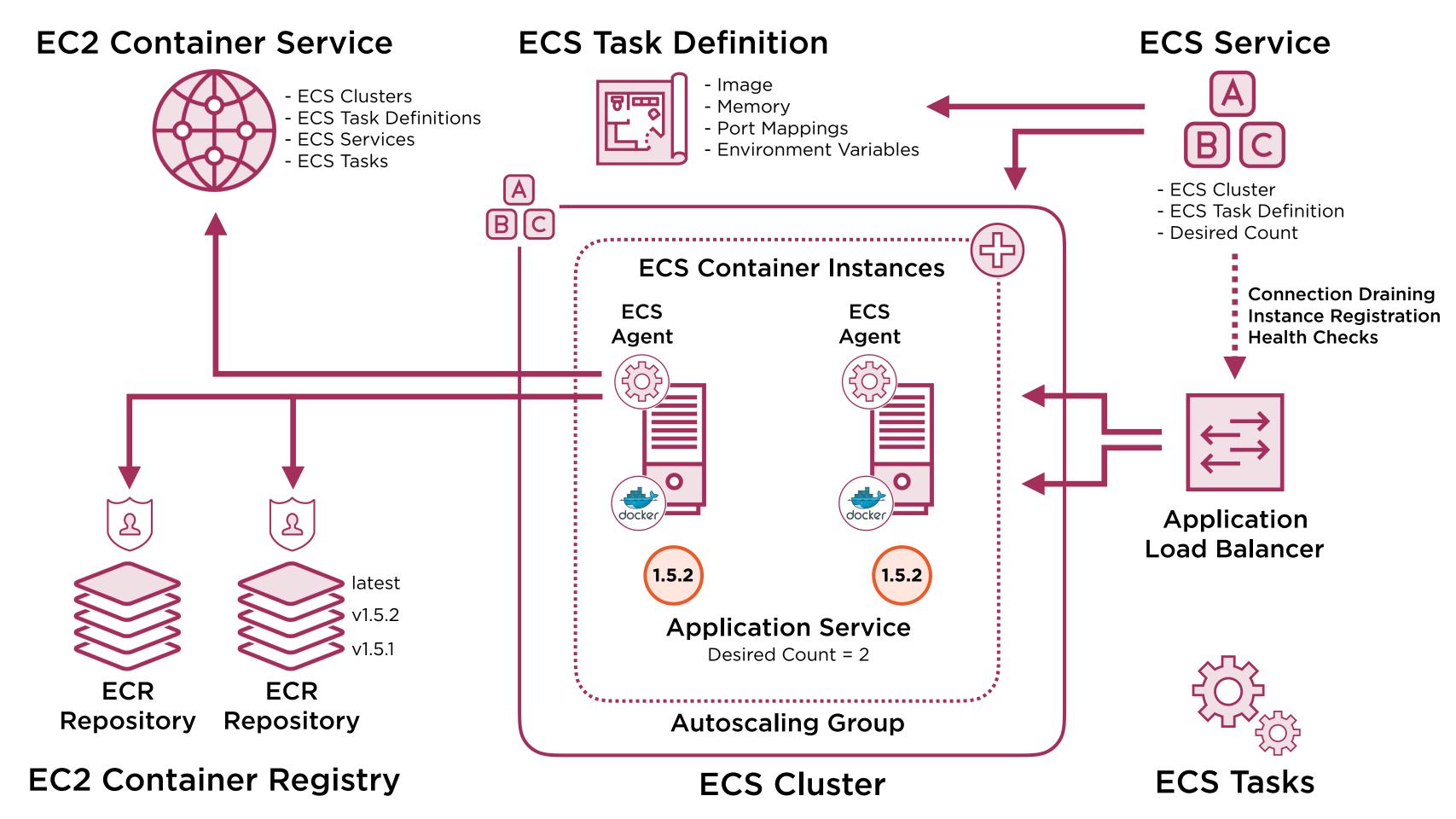


Verifying an ECS Container Instance

Creating an ECS Task Definition

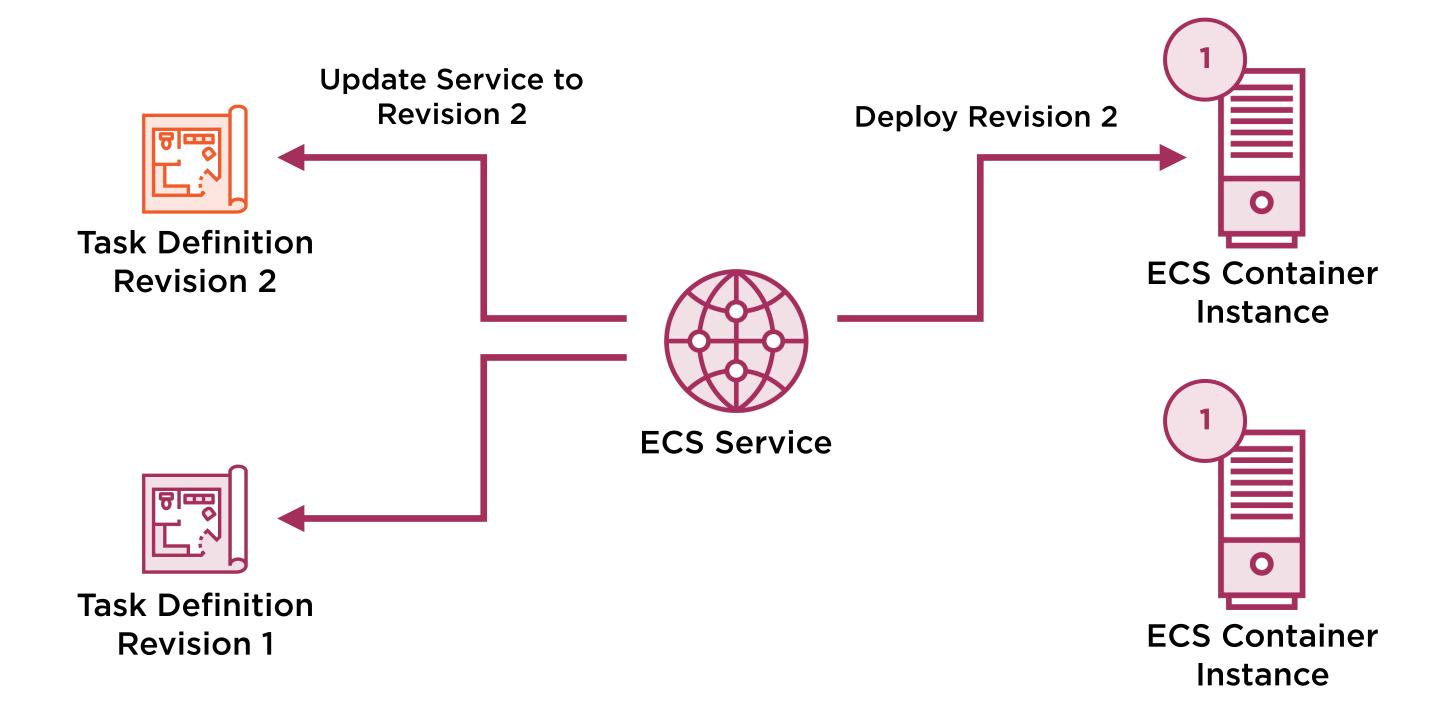
Creating an ECS Service



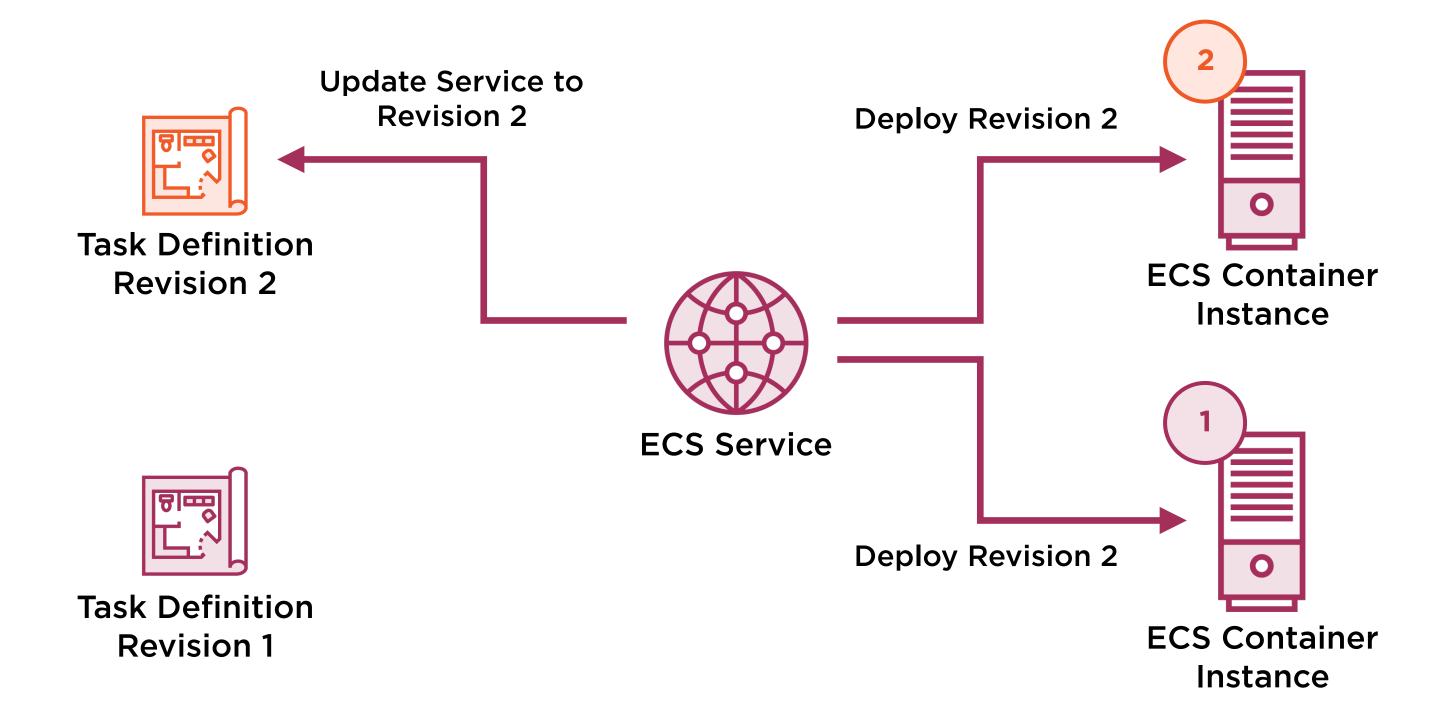


ECS Service Deployments

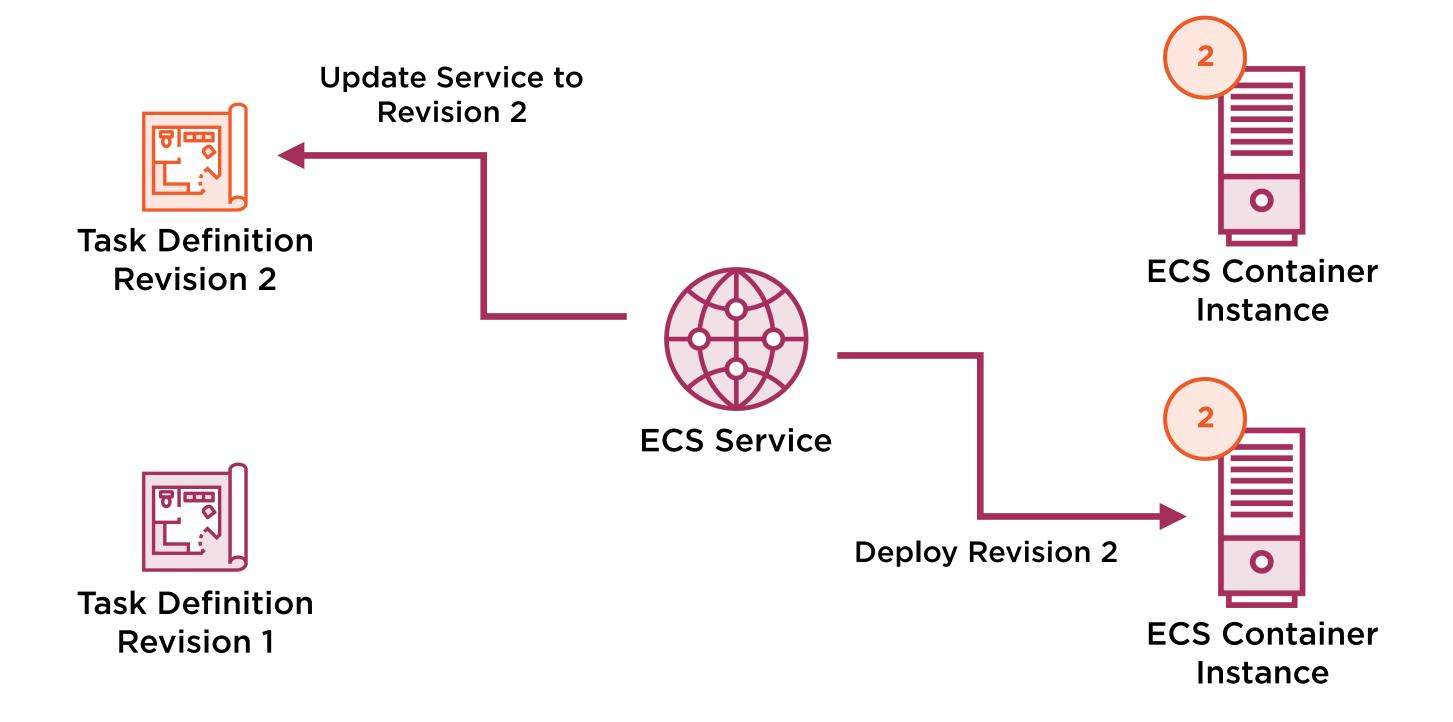
ECS Service Rolling Deployments



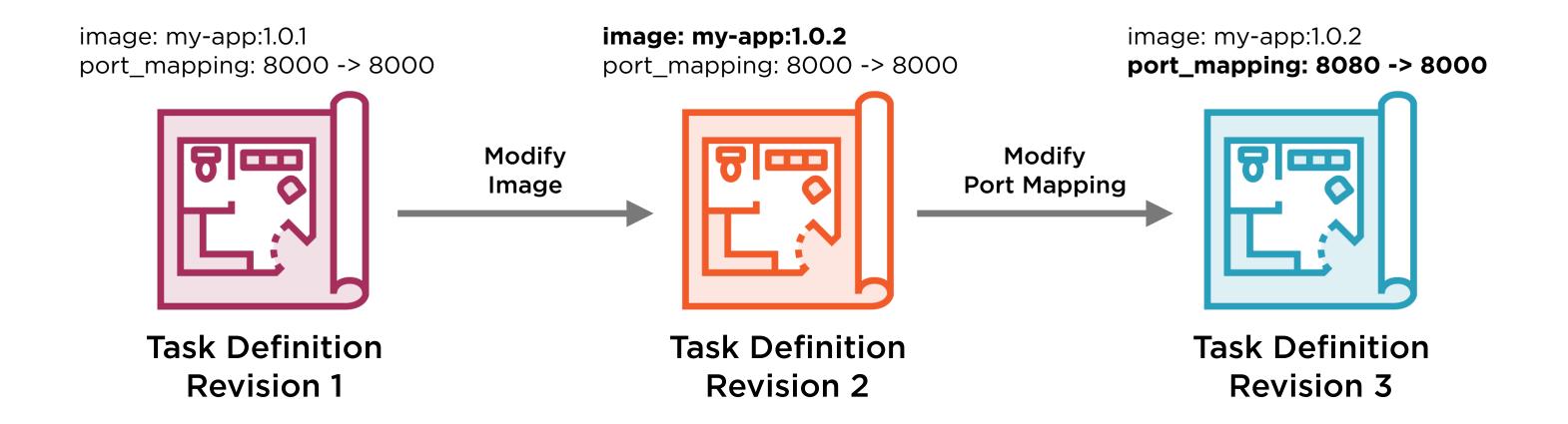
ECS Service Rolling Deployments



ECS Service Rolling Deployments



Task Definition Changes



Creating an ECS Task

Summary

Running Docker Applications using ECS

- ECS architecture
- Publish Docker images to ECR
- Create an ECS cluster
- Create an ECS task definition
- Create ECS services
- Create ECS tasks