## Release Description

The following features were included in the 2021.02 release:

### Shared Modules:

* Terraform module for AWS Backup Plan
* Terraform module for ECS for EC2/Fargate

### Evaluation of new AWS Features

* Evaluate Workdocs as a replacement for Box

### Cloud Custodian

* Update Cloud Custodian to send alerts for new Launchpad Beta Policies – Part 1

### Evaluation of new AWS Features

* Evaluate Workdocs as a replacement for Box
* Document Best Practices for handling patches for EC2 instances

### Operational Reliability, Compliance with Optum Tech and Process Improvements

* Cleanup documentation on TF module examples within Dojo and CCOE Repo

### HCPT Account Support

* VPC Peering between OMA and HCPT

## Feature Descriptions, Documentation Links and Outcomes

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| **Rally Feature ID** | **Feature Description** | **Owner** | **Objectives** | **Outcomes** |
| [**F104896**](https://rally1.rallydev.com/#/380432281308d/portfolioitemstreegrid?detail=/portfolioitem/feature/454597261704) | Document examples for AWS Backup Plan Terraform Module | Arunkumar | Provide examples on how to use AWS Backup Plan service | Examples are provided for 4 use cases:   * AWS Backup - Simple plan using list of resources example * AWS Backup - Selection by tags example * AWS Backup - Complete Plan using several resources and cross-region distribution example * AWS Backup - Simple plan using variables example   Wiki Link: https://github.optum.com/oaccoe/aws\_backup\_example |
| [**F105768**](https://rally1.rallydev.com/#/380432281308d/portfolioitemstreegrid?detail=/portfolioitem/feature/458481995936) | Document Best Practices for handling patches for EC2 instances | Arunkumar | The purpose of this feature is to come up with the best practice for handling patches on an EC2 instance | Documentation: https://cloudpoc.optum.com/docs/doc17 |
| [**F109580**](https://rally1.rallydev.com/#/380432281308d/portfolioitemstreegrid?detail=/portfolioitem/feature/486825541548) | Set up VPC Peering between OAM and HCPT | Saroja | Set up VPC Peering between OAM and HCPT | VPC Peering was set up through the following steps:  1. First, to check with Peering between Cloudops Sandbox and OMA Account  2. OMA to HCPT-Nonprod  3. OMA to HCPT-Prod |
| [**F108878**](https://rally1.rallydev.com/#/380432281308d/portfolioitemstreegrid?detail=/portfolioitem/feature/483493120540) | Terraform module for ECS for EC2/Fargate | Atchaya | Provide a working Terraform module for ECS for EC2/Fargate | Terraform module created with profiles for:   * Fargate * Fargate with Autoscaling * Ec2 with Autoscaling   Documentation link: https://github.optum.com/oaccoe/aws\_ecs |
| [**F105767**](https://rally1.rallydev.com/#/380432281308d/portfolioitemstreegrid?detail=/portfolioitem/feature/458480728952) | Update Cloud Custodian to send alerts for new Launchpad Beta Policies – Part 1 | Saroja/Arun | Ensure that Cloud Custodian sends emails alerts for new Launchpad policy violations | Emails alerts were added for the following violations:   * Custodian - AWS RDS DB cluster encryption is disabled-UHG * Custodian -AWS EBS volumes are not encrypted * Custodian - AWS Elastic File System (EFS) with encryption for data at rest is disabled * Custodian - AWS Elasticsearch domain Encryption for data at rest is disabled * Custodian - AWS Kinesis streams are not encrypted using Server Side Encryption * Custodian - AWS SNS topic with server-side encryption disabled |
| [**F111517**](https://rally1.rallydev.com/#/380432281308d/portfolioitemstreegrid?detail=/portfolioitem/feature/495721549688) | Cleanup documentation on TF module examples within Dojo and CCOE Repo | Pravin | Ensure that new Terraform modules created by CCOE and examples on publicly available Terraform modules are easily identifiable on Dojo and CCOE repo | The following Terraform modules and examples were cleaned up:   * AWS VPC examples * AWS EC2 examples * AWS ELB examples * AWS RDS examples * AWS Lambda examples |
| [**F109582**](https://rally1.rallydev.com/#/380432281308d/portfolioitemstreegrid?detail=/portfolioitem/feature/486829490040) | POC on AWS Workdocs | Pravin | Perform an initial research on Workdocs to see if it can be a future replacement for Box to allow external clients to upload/download files to/from applications on AWS | Although an initial POC has been completed, there still needs to be further discussions with EIS about the feasibility of using this tool as a replacement to Box  Documentation link: https://cloudpoc.optum.com/docs/doc15/ |