

DG DIGIT

Unit C3

Request for Change

**COPPILOT**

Date: 10/12/2019

Change ID: CH02

Version: 0.3



*This template is based on PM² V2.5*

*For the latest version of this template please visit the PM² Wiki*

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| **Project Name:** | **COPPILOT** | **Change ID:** | CH02 |
| **Priority:** | Very High High Medium Low Very Low | | |

**Document Approver(s) and Reviewer(s):**

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| --- | --- | --- | --- |
| **Name** | **Role** | **Action** | **Date** |
| Cedric DUCHESNE | Project Owner | Approve |  |
| Mihai BLAJUT | Solution Provider | Approve |  |
| Frederic MUNSTER | Program manager | Modify |  |

# Change Description

## Change Description

This document incorporates a change in scope and schedule for the COPPILOT project in order to build the Production Cloud Management Platform.

COP BETA service has been released in Q3Y19; It is defined in the charter as:

“this phase will consist in a service that will provide a reduced set of Cloud On Premise functionalities. It will be offered as a ‘best-effort” support to a very limited number of users, with the intention of improving the service and receive feedback **The Beta phase start considers a deadline of end of Q1CY19 and it will be updated with new functionalities as the project advances.”**

It is including the following catalogue iteams:

1. Weblogic service
2. Oracle service
3. Bucket service
4. NSX Integration
5. CyberArk integration
6. BitBucket repository for code

Further functionalities are ready to be published

1. Splunk Integration for Oracle and Weblogic
2. Reverse proxy mappings

## Context

* Projects have been opened lately at C2 defining the strategy and the service definition for Oracle and WebLogic
* The project for WebLogic will only start in Q2Y19
* CMPPROD project has been opened with a first focus on delivering public cloud services
* The collaboration model for the pilot has been redefined by EC where C2 will consume C3 hosting services to build PaaS automation on top.
* The priority has been put on delivering K8S services
* The current Oracle and Weblogic services will be exposed for developers as version 1.0
* The following services will be exposed as well in Cop 1.0
  + RPM 1.0 for Weblogic
  + Safes 1.0
  + Object storage 1.0 based on current HS3 technology
  + NSX-V Networking 1.0
  + EU-login integration for authentication
  + Logging for end-users (Middelware and NSX logs)
    - Manual creation of indexes at business group creation
    - Automated deployment and configuration of Splunk agents
  + Automated patching(PMS)
  + Backup for Oracle (With no automation of restores, requires ticket)
* The Oracle and Weblogic services will be supported with no SLA by C2
* The CMP service, bucket, safe, RPM and NSX services will be supported with no SLA by C3 dedicated team.
* The next release of COP(2.0) will include
  + the Linux blueprint to be consumed by customers to build PaaS
  + The next release of NSX network service (base don NSX-T)
  + The next release of object storage based on new technology selected
  + The production release of reverse proxy mappings
  + Integration of PAM
  + Integration with new C3 CMDB

## Scope of Change

The following scope change is proposed.

***Tasks to finalise before close project***

***Project 1.2 – COPSERVICE – Target AUGUSTY20***

* Service stream
  + Extension of CMP service to private cloud
    - Pilot service with no SLA. Service is to be migrated later on to a complementary service.
    - The Oracle and Weblogic services will be supported by C2
    - The CMP service, bucket, safe, RPM and NSX services will be supported by C3 dedicated team.
    - The Jenkins/Ansible platform will be supported by C3
  + Service management for private cloud covering
    - Networking based on NSX
    - Oracle and Weblogic PaaS services
    - Safe services
    - RPM services
    - Object storage services
    - Backup services
  + Extension of monitoring and event management to private cloud components
  + Capacity management of COP platform
  + Operational transition of all underlying greenfield workload domains

***Project 1.3 – COP2.0 – Target DECY20***

* Splunk integration for end-users for NSX, Oracle and Weblogic logs
* Security stream
  + Review of DIGIT.S2 recommendation (**The security measures have to be identified, but the implementation of them will be part of further projects**)
* Splunk integration for CMP and network logs
  + Integration of logs for end-users – requires multi-tenancy
  + Integration of logs for C2 operations - Index will be provided by C2
  + Integration of logs for C3 operations
  + Integration of logs for digit-S - Index will be provided by C2
* Integration with DIGIT.S2 security monitoring and remediation systems/ Provide access to C3 tools like Network insights.
* Integration in C3 CMDB of CMP assets and customer assets up to the OS (Target JUNY20)
* SMT integration
  + Creation of incident tickets from the CMP
  + Creation of RFS for each deployment or day-2-ops
* Review of NSX networking services (version 0.2) to provide a more convenient and user-friendly service – This is to be done with the collaboration of C4 as an external dependency
  + Assessment of transversal services to be exposed in CMP
    - Definition of the needed rules
    - Definition of mandatory and ‘at user request’ transversal services
    - Definition of a communication process whenever changes have to be applied
  + Expose transversal services in CMP where user register to a service and does not need to create ‘per ip’ firewall rules
  + Tagging and bulk deletes of rules
  + Export of rules
  + User interface (current is not very convenient)
* PAM integration
* Consolidation of VRA/VROps usage metrics for VM charge-back – it is required to provide to EC metrics required to sustain their commercial model.
* CMP status dashboard for end-users
* Improvement of CI/CD pipeline
  + Automated integration testing
  + Automated acceptance testing
  + Code quality
* Security stream
  + GOVSEC assessment of CMP layer (CMP, Jenkins, Ansible)
  + Integration with INFRAV4 GOVESEC assessment as supporting asset

***Tasks to stop***

* Delivery of Oracle and WebLogic blueprints
* Delivery of Linux blueprints (Part of LINUX4COP project)
* Backup/Restore of Oracle

## Timing

The full scope shall be delivered in DEC 2020.

## Change Request Analysis

Type of change: Scope and schedule

Major Impact:

* Change in responsibility model
* Change in service scope
* Change in timeline

## Risk Changes

The risk of impacts due to a migration to VRealize Automation 8.X are not taken into account.

The risks of impacts due to a migration to NSX-T neither.

## Updates in Efforts and Timing

TBD by provider

Appendix 1: References and Related Documents

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| **ID** | **Reference or Related Document** | **Source or Link/Location** |
| 1 | Project folder |  |
| 2 | Link to project on Project Server |  |