

CNTT Baraque

Table of Contents

- Overview
- To-Do (Spec)
 - Tech
 - Reference Model
 - Reference Architecture 1
 - Reference Implementation 1
 - Reference Conformance 1
 - Reference Architecture 2
 - Reference Implementation 2
 - Reference Conformance 2
- To-Do (Officers)
 - ONAP Technical Coordinator
 - CNCF Technical Coordinator
 - CVC Technical Coordinator
 - ONF Technical Coordinator
 - ETSI-NFV Technical Coordinator
 - Field Trial Technical Coordinator

Overview

The intention of this page is to outline what CNTT "success" looks like by Sep @ LFN ONES 2020, along with high level tracking items that need to be completed.

Success is defined as:

- 1. TBD - documentation created ? test suites defined ? test suites executed ?
- 2. TBD
- 3. TBD

To-Do (Spec)

This is a comprehensive list of work that can be done. A subset of the list below will go into Baraque (and will be saved in the release notes for Baraque).

A: To be included in Baraque Release.

B: Nice to include in Baraque Release.

C: Low Priority for Baraque Release.

Tech

#	Deliverable	Target Date (//)	Comments
1	Edge WS: Add Support for Edge Usecase (Outlines)		in the usecase part.
2	More generic To cater all technologies (VM , Containers)		

Reference Model

#	Deliverable	Target Date (//)	Comments
0	NFG: Finalise Networking Modelling	by May 30.	Finish with stable version
1	NFG: Add HW Accel capabilities (include SmartNIC)		Based on the modelling done by NFG, SmartNIC support and HW acceleration to be supported by RM.
2	Better Characterisation of Networking and Storage.		
3	Data-centre Tier Services and how to integrate them in RM.		
4	Technically make sure RM supports both Containers as well VMs.		we need to analysis where we need to be more agnostic.

Reference Architecture 1

#	Deliverable	Target Date (//)	Comments
1	Update RA-1 for new CNTT OSTK Release	Sept 14, 2020	If and when a new OSTK release selected (Target: June 28th) a new fully self-contained version of RA-1 document will be created.
2	Add SmartNIC <input checked="" type="checkbox"/> Pankaj Goyal to confirm next meeting.	Sept 14, 2020	This is dependent on #4 "Finalised RM NFG" and RM Topic #1. May I suggest that we make this a subtopic of #4.
3	Add HW Accel <input checked="" type="checkbox"/> Pankaj Goyal to confirm next meeting.	Sept 14, 2020	Cyborg is being re-architected and will have a new API (v2) that is not backward compatible. We had included Cyborg and API v1 in the current (Baldy) release but decided to remove. If the next RA-1 release (Baraque) will be based on a new OSTK release then depending upon the release selected it may or may not be possible to add this topic.
4	NFG: Finalise RA-1 Networking Architecture to match RM.	Sept 14, 2020	NFG Date: >May 28th
5	Address RA-1 Ch02 missing requirements	Sept 14, 2020	A number of RA-1 Ch02 requirements are not explicitly addressed in the rest of the document.
6	Edge: Incorporate into RA-1 the Edge RM requirements	Sept 14, 2020	

Reference Implementation 1

#	Deliverable	Target Date (//)	Comments
1	Finish & Cleanup Lab Requirement <ul style="list-style-type: none"> Need a Topology Diagram. Need Networking/Switching Requirements. 		ch04
2	Descriptor File requirement finalised. <input checked="" type="checkbox"/> Raja to look at this and confirm.		ch05 ch06

3	Add more installer general requirement (e.g. the need for it to be opensource, the result of it needs to be opensource).		ch06
4	Finish Cookbook to align with RA-1		ch08
5	Finish Lab Cookbook		ch07
6	Need some initial content (are there no gaps?)		ch09
Development (CIRV)			
	B: Resolve Continuous Software Deployment Errors		
	B: Document & Perform Repeatable CICD Deployment		
	B: Descriptor File - finalize & perform PoC Refer to: <ul style="list-style-type: none"> [RI 1 Core]: Work with OPNFV Infra WG for the evolvement of PDF to fit into need for CNTT RI #526 [RI 1 Labs] Tooling to Generate a PDF matching Airship Internal Data Structure #525 		

Reference Conformance 1

#	Deliverable	Target Date (//)	Comments
1	Cleanup Chapter 01		Updates to: Ch01: Introduction don't think LCM should be considered in RC. need discussion within WS
2	Finalise Requirement: <ul style="list-style-type: none"> Badging/Reporting Requirements. <ul style="list-style-type: none"> Conformance vs Benchmarking. Framework Requirements. Categories of testing. 		Ch02
3	Cleanup and Create Traceability Matrix. <ul style="list-style-type: none"> Reference to CNTT Req (RM, RA-1). Category (Conformance, Benchmarking). Type: Performance, Functional, etc. High Level Test Case Definition. Criteria (May, Should, Must, Info). Covered in the industry (Yes/No) Reference to Test Project/Name covering it. 		Ch03
4	Confirm and Validate Cookbook		Ch04 input will be coming from Field Trials.
Development (CIRV)			
1	TBD		
2			

Reference Architecture 2

#	Deliverable	Target Date (//)	Comments
1	Chapter 2 - platform requirements stable, CNF requirements included, chapter at "Complete" level.		chapter02.md

2	Chapter 3 - review wording so that "must" / "should" statements are covered in either chapter02 or chapter04 and this is a description of components and interfaces. Chapter at "Complete" level.		chapter03.md
3	Chapter 4 - ensure all specifications have a reference ID, provide specifications for all RI2 requirements for this release. Chapter at "Lots of SME feedback".		chapter04.md
4	Chapter 4 - provide specification for all requirements (that can be met). Chapter at "Dicking over the finer points".		chapter04.md
5	Chapter 5 - review wording so that "must"/"should" style statements are covered in either chapter02 or chapter04 and this is general guidance for securing Kubernetes and associated add-ons. Make it clear this does not flow into RC2 tests. Chapter at "Lots of SME feedback".		chapter05.md
6	Chapter 6 - ensure any requirements not covered by one or more specifications in chapter04 have a gap documented in this chapter.		chapter06.md

Reference Implementation 2

#	Deliverable	Target Date (//)	Comments
1	Initial content for introduction. Chapter at "Lots of SME feedback".		chapter01.md
2	Initial content for RI requirements (pull through RA2 specifications) and only add additional requirements if needed. Focus on the desired state. Chapter at "Lots of SME feedback".		chapter02.md
3	Initial content for labs requirements - what does any lab need to be able to deploy the Reference Implementation. Chapter at "Still Developing Content".		chapter03.md
4	Initial content for lab cookbook - what are the steps anyone needs to run through to deploy the Reference Implementation. Chapter at "Still Developing Content".		chapter04.md
Development			

Reference Conformance 2

#	Deliverable	Target Date (//)	Comments
1	initial content for introduction		ch01
2	initial content of requirement: <ul style="list-style-type: none"> Badging/Reporting Requirements. <ul style="list-style-type: none"> Conformance vs Benchmarking. Framework Requirements. Categories of testing. 		ch02
3	Initial Traceability Matrix. <ul style="list-style-type: none"> Reference to CNTT Req (RM, RA-1). Category (Conformance, Benchmarking). Type: Performance, Functional, etc. High Level Test Case Definition. Criteria (May, Should, Must, Info). Covered in the industry (Yes/No) Reference to Test Project/Name covering it. 		ch03
Development			

To-Do (Officers)

ONAP Technical Coordinator

#	Deliverable	Target Date (//)	Comments
1			
2			
Development			

CNCF Technical Coordinator

#	Deliverable	Target Date (//)	Comments
1			
2			
Development			

CVC Technical Coordinator

#	Deliverable	Target Date (//)	Comments
1			
2			
Development			

ONF Technical Coordinator

#	Deliverable	Target Date (//)	Comments
1			
2			
Development			

ETSI-NFV Technical Coordinator

#	Deliverable	Target Date (//)	Comments
1			

2			
Development			

Field Trial Technical Coordinator

#	Deliverable	Target Date (//)	Comments
1			
2			
Development			