

Prague 2020 - Hack Challenges Under Consideration

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#	Submitted By	Challenge Name	Details	Interested Participants (Please input your name)	Feedback / Comments
1	Michael Fix (AT&T)	Manifest Validation	• Short Description: create automated means to do a manifest validation / or audit of actual delivery and installation of the OpenStack deployment • Detailed Description: TBD • Challenge Leader(s): <i>name 1, name 2, ...</i> • Estimated Audience Size (1-15 / 15-30 / 30-50 / >50): TBD • Skills: Meta-Data file interpretation (PDF/SDF /IDF), knows way around a command-line, system admin for data comparison between systems		
2	Michael Fix (AT&T)	Hardware Delivery Validation	• Short Description: create pre-software deployment bare-metal configuration validation • Detailed Description: TBD • Challenge Leader(s): <i>name 1, name 2, ...</i> • Estimated Audience Size (1-15 / 15-30 / 30-50 / >50): TBD • Skills: OS system navigation, BIOS settings, low-level hardware configuration, etc.		
3	Michael Fix (AT&T)	VNF Family Prototype	• Short Description: create a prototype 'Golden VNF' to demonstrate and baseline capabilities and services for a VNF Family • Detailed Description: TBD • Challenge Leader(s): <i>name 1, name 2, ...</i> • Estimated Audience Size (1-15 / 15-30 / 30-50 / >50): TBD • Skills: IDE tools and capabilities, Interpret YAML files, VF design artifacts, translation of NFVi and VNF standard requirements		proposed by Trevor Cooper to edit description create a prototype 'Golden VNF' to demonstrate and baseline capabilities and services of NFVi for a VNF Family
4	Mark Shostak	Airship Installation	• Short Description: create a tool to take a PDF /SDF/IDF and render as files consumable by Airship (aka Manifests) • Detailed Description: • Challenge Leader(s): Mark Shostak • Estimated Audience Size (1-15 / 15-30 / 30-50 / >50): 1-15 • Skills: YAML, Python et al, Meta-Data Translations		
5	user-0322e	Outline (K8s) RA2 from pre-built RI1	• Short Description: create the outlines of a Kubernetes Reference Implementation (based on RA2) using a pre-built RA1-compliant OpenStack Reference Implementation • Detailed Description: TBD • Challenge Leader(s): user-0322e • Estimated Audience Size (1-15 / 15-30 / 30-50 / >50): TBD • Skills: TBD		

6	user-0322e	Outline (K8s) RI2 on CNF Test Bed	• Short Description: create the outlines of a Kubernetes RI using CNF Test Bed (which uses packet.net) • Detailed Description: TBD • Challenge Leader(s): user-0322e • Estimated Audience Size (1-15 / 15-30 / 30-50 / >50): TBD • Skills: <i>TBD</i>		
7	user-0322e	how/where packet.net fits within CNTT	• Short Description: discuss how packet.net fit within CNTT K8s RA • Detailed Description: TBD • Challenge Leader(s): user-0322e • Estimated Audience Size (1-15 / 15-30 / 30-50 / >50): TBD • Skills: <i>TBD</i>		
8	user-0322e	How/where AWS fit within CNTT	• Short Description: discuss how AWS fit within CNTT K8s RA • Detailed Description: TBD • Challenge Leader(s): user-0322e • Estimated Audience Size (1-15 / 15-30 / 30-50 / >50): TBD • Skills: <i>TBD</i>		
9	user-0322e	Joint Exercise CNTT /OPNFV	• Short Description: Take OPNFV phase 2 to take the Kubernetes RA2 through RI into certification of a CNF on a Kubernetes platform conforming with RA2 • Detailed Description: TBD • Challenge Leader(s): user-0322e • Estimated Audience Size (1-15 / 15-30 / 30-50 / >50): TBD • Skills: <i>TBD</i>		Rabi Abdel to lead
	Trevor Cooper	Testing NFVi compliance of CNTT requirements	• Short Description: Demonstrate a prototype of automation tools to test if NFVi complies with CNTT requirements starting with data-path performance • Detailed Description: <i>TBD</i> • Challenge Leader(s): <i>Trevor Cooper, Luc Provoost, Petar Torre, Sridhar Rao, Al Morton, ...</i> • Estimated Audience Size (1-15 / 15-30 / 30-50 / >50): TBD • Skills: <i>TBD</i>		Proposed by Trevor Cooper . This hack challenge will use PoC work in "POD10" as a baseline and aims to engage developers interested in contributing to this category of CNTT work.