Prague 2020 - Hack Challenges Under Consideration

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Use OPNFV Plugfest Topics page

#	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):** *name 1, name 2, ...* • **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):** *name 1, name 2, ...* • **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):** *name 1, name 2, ...* • **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:** ***TBD***		
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:** ***TBD***		
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:** ***TBD***		
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:** ***TBD***		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:** *TBD* • **Challenge Leader(s):** *Trevor Cooper, Luc Provoost, Petar Torre, Sridhar Rao, Al Morton, ...* • **Estimated Audience Size (1-15 / 15-30 / 30-50 / >50):** TBD • **Skills:** *TBD*		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.