











































# ICN R5 Timeline

## Goals

- TBD

## JIRA TRACKER

Features	Plan/Status Tracking (Please update your JIRAs and note any issues/road blocks with date stamp)				
<ul style="list-style-type: none"><li>SD-EWAN Restful API (MWAN3) definition</li><li>WMAN3 Restful API POC</li><li>SD-EWAN Service Restful API<ul style="list-style-type: none"><li>Get available services (e.g. mwan3, ipsec, firewall)</li><li>Execute Service</li></ul></li></ul>	Huifeng Le				
	Epic	JIRA Story	Sprint/Estimated Completion Date	Status/Actual Completion Date	Notes
	 <b>ICN-190</b> - E2E usages for SDWAN module in ICN to support multiple cluster communication through security WAN interfaces 	 <b>ICN-244</b> - MWAN3 Restful API 	Sprint 9	Sprint 9	
		 <b>ICN-224</b> - EWAN Restful API POC 	Sprint 10	Sprint 10	
		 <b>ICN-222</b> - EWAN Restful API Go Client POC 	Sprint 10	Sprint 10	
		 <b>ICN-238</b> - EWAN Service Restful API 	Sprint 10	Sprint10	
		 <b>ICN-274</b> - EWAN MWAN3 API implementation 	Sprint 11	Sprint 11	
		 <b>ICN-272</b> - EWAN Firewall API definition 	Sprint 12	Sprint 12	
		 <b>ICN-272</b> - EWAN Firewall API implementation 	Sprint 13	Sprint 13	
		 <b>ICN-384</b> - EWAN Firewall CRD/Rest API integration 	Sprint 13	Sprint20	postpone to R3.1
		 <b>ICN-342</b> - PoC for integration scenario 	Sprint15	Sprint15	
		 <b>ICN-344</b> - SDEWAN E2E test scenario integration 	Sprint16	Sprint17	
		 <b>ICN-372</b> - SDEWAN Central Controller/Traffic Hub design 	Sprint23		
		 <b>ICN-394</b> - SDEWAN Central Controller: POC for golang Restful API Server 	Sprint21	Sprint21	
		 <b>ICN-426</b> - SDEWAN Central Controller: POC for rsync integration 	Sprint23	Sprint23	
		 <b>ICN-427</b> - SDEWAN Central Controller: POC for remote k8s connection through hub 	Sprint24	Sprint24	
		 <b>ICN-447</b> - SDEWAN Central Controller: Cert Manager Utility 	Sprint25	Sprint25	
		 <b>ICN-446</b> - SDEWAN Central Controller: framework with basic features 	Sprint26	Sprint27	
		 <b>ICN-454</b> - SDEWAN Central Controller: IP Address Manager 	Sprint26	Sprint26	
		 <b>ICN-484</b> - SDEWAN Central Controller: Hub Manager 	Sprint28/Sprint29 /Sprint30	Sprint30	
		 <b>ICN-485</b> - SDEWAN Central Controller: Connection Manager 	Sprint28	Sprint28	
		 <b>ICN-493</b> - SDEWAN Central Controller: Device Manager 	Sprint29/Sprint30 /Sprint31	Sprint37	































<div> <div>+</div> <div>ICN-1 - Metal3 Baremetal Operator in ICN Stack</div> <div>IN PROGRESS</div> </div>	<div> <div>🔴</div> <div>ICN-349 - Fix the ICN baremetal operator version</div> <div>DONE</div> </div>	Sprint 14	Sprint 14	
<div> <div>+</div> <div>ICN-236 - OVN4K8SNFV development work</div> <div>IN PROGRESS</div> </div>	<div> <div>🟢</div> <div>IGN-929 - Bug fixes for the OVN4NFV-K8s plugin primary routing issues</div> <div>DONE</div> </div>	Sprint 15	Sprint 15	
<div> <div>+</div> <div>ICN-236 - OVN4K8SNFV development work</div> <div>IN PROGRESS</div> </div>	<div> <div>🔴</div> <div>IGN-345 - Akraino ICN installation issue on baremetal server #ICN</div> <div>DONE</div> </div>	Sprint 15	Sprint 15	
<div> <div>+</div> <div>ICN-236 - OVN4K8SNFV development work</div> <div>IN PROGRESS</div> </div>	<div> <div>🟢</div> <div>ICN-339 - CNI Server development in ONAP4K8s</div> <div>DONE</div> </div>	Sprint 16	Sprint 16	
<div> <div>+</div> <div>ICN-236 - OVN4K8SNFV development work</div> <div>IN PROGRESS</div> </div>	<div> <div>🟢</div> <div>ICN-334 - CNI shim development in ONAP4K8s</div> <div>DONE</div> </div>	Sprint 16	Sprint 16	
<div> <div>+</div> <div>ICN-189 - ICN CI/CD</div> <div>TO DO</div> </div>	<div> <div>🟢</div> <div>ICN-364 - ICN BM and VM installer script improvement</div> <div>DONE</div> </div>	Sprint 17	Sprint 17	
<div> <div>+</div> <div>ICN-236 - OVN4K8SNFV development work</div> <div>IN PROGRESS</div> </div>	<div> <div>🟢</div> <div>ICN-343 - Post review patches for OVN4NFV</div> <div>DONE</div> </div>	Sprint 20/21	Sprint 21	
<div> <div>+</div> <div>ICN-189 - ICN CI/CD</div> <div>TO DO</div> </div>	<div> <div>🟢</div> <div>ICN-349 - Documentation and patch review for ICN Release</div> <div>DONE</div> </div>	Sprint 18/19/20	Sprint 21	
<div> <div>+</div> <div>ICN-236 - OVN4K8SNFV development work</div> <div>IN PROGRESS</div> </div>	<div> <div>🟢</div> <div>ICN-358 - Post review for Kubespray</div> <div>DONE</div> </div>	Sprint 20/21	Sprint 21	
<div> <div>+</div> <div>ICN-189 - ICN CI/CD</div> <div>TO DO</div> </div>	<div> <div>🟢</div> <div>IGN-359 - Code review and CI/CD Testing</div> <div>DONE</div> </div>	Sprint 18/19	Sprint 19	
<div> <div>+</div> <div>ICN-236 - OVN4K8SNFV development work</div> <div>IN PROGRESS</div> </div>	<div> <div>🟢</div> <div>IGN-409 - Unit testing in OVN4NFV CNI</div> <div>DONE</div> </div>	Sprint 24/25/26	Sprint 26	
<div> <div>+</div> <div>ICN-236 - OVN4K8SNFV development work</div> <div>IN PROGRESS</div> </div>	<div> <div>🟢</div> <div>IGN-406 - OVN4NFV Kubespray with Centos 7</div> <div>DONE</div> </div>	Sprint 24/25/26	Sprint 26	
<div> <div>+</div> <div>ICN-236 - OVN4K8SNFV development work</div> <div>IN PROGRESS</div> </div>	<div> <div>🟢</div> <div>ICN-404 - OVN4NFV Service Function Chaining development</div> <div>DONE</div> </div>	Sprint 22	sprint 22	
<div> <div>+</div> <div>ICN-236 - OVN4K8SNFV development work</div> <div>IN PROGRESS</div> </div>	<div> <div>🟢</div> <div>ICN-408 - EMCO and SFC demo preparation</div> <div>DONE</div> </div>	Sprint 22	sprint 22	
<div> <div>+</div> <div>ICN-236 - OVN4K8SNFV development work</div> <div>IN PROGRESS</div> </div>	<div> <div>🟢</div> <div>ICN-445 - Dev. rebased OVN4NFV SFC development with Kubespray</div> <div>DONE</div> </div>	Sprint 23	Sprint 23	
<div> <div>+</div> <div>ICN-236 - OVN4K8SNFV development work</div> <div>IN PROGRESS</div> </div>	<div> <div>🟢</div> <div>ICN-446 - Test rebased OVN4NFV SFC Development with Kubespray</div> <div>DONE</div> </div>	Sprint 23	Sprint 23	
<div> <div>+</div> <div>ICN-236 - OVN4K8SNFV development work</div> <div>IN PROGRESS</div> </div>	<div> <div>🟢</div> <div>IGN-435 - SFC Demo</div> <div>DONE</div> </div>	Sprint 24	Sprint 24	
<div> <div>+</div> <div>ICN-236 - OVN4K8SNFV development work</div> <div>IN PROGRESS</div> </div>	<div> <div>🟢</div> <div>IGN-434 - ICN SDL works</div> <div>DONE</div> </div>	Sprint 29/30	Sprint 30	
<div> <div>+</div> <div>ICN-236 - OVN4K8SNFV development work</div> <div>IN PROGRESS</div> </div>	<div> <div>🟢</div> <div>ICN-436 - SRIOV and SFC chaining CR proposal</div> <div>DONE</div> </div>	Sprint 24/25	Sprint 25	
<div> <div>+</div> <div>ICN-236 - OVN4K8SNFV development work</div> <div>IN PROGRESS</div> </div>	<div> <div>🟢</div> <div>IGN-452 - Ramp up on OVN with VLAN and OVN Load balancer</div> <div>DONE</div> </div>	Sprint 28/29	Sprint 29	
<div> <div>+</div> <div>ICN-236 - OVN4K8SNFV development work</div> <div>IN PROGRESS</div> </div>	<div> <div>🟢</div> <div>IGN-459 - Creating OVN ACL based Network policy PoC</div> <div>DONE</div> </div>	Sprint 28/29/30	Sprint 30	
<div> <div>+</div> <div>ICN-236 - OVN4K8SNFV development work</div> <div>IN PROGRESS</div> </div>	<div> <div>🟢</div> <div>IGN-460 - Network Policy Controller initial PoC work</div> <div>DONE</div> </div>	Sprint 28/29/30	Sprint 30	
<div> <div>+</div> <div>ICN-189 - ICN CI/CD</div> <div>TO DO</div> </div>	<div> <div>🟢</div> <div>IGN-509 - ICN Documentation and release works</div> <div>DONE</div> </div>	Sprint 30/31	Sprint 31	
<div> <div>+</div> <div>ICN-236 - OVN4K8SNFV development work</div> <div>IN PROGRESS</div> </div>	<div> <div>🟢</div> <div>ICN-505 - Network Policy Port Group creating using OVS ACN ACL</div> <div>IN PROGRESS</div> </div>	Sprint 32/33	Sprint 33	Moved to backlog
<div> <div>+</div> <div>ICN-236 - OVN4K8SNFV development work</div> <div>IN PROGRESS</div> </div>	<div> <div>🟢</div> <div>ICN-506 - Construct Egress /Ingress OVN ACL based on the NP Matches</div> <div>IN PROGRESS</div> </div>	Sprint 32/33	Sprint 33	Moved to backlog
<div> <div>+</div> <div>ICN-236 - OVN4K8SNFV development work</div> <div>IN PROGRESS</div> </div>	<div> <div>🟢</div> <div>ICN-507 - Network Policy Namespace selector and Pod Selector</div> <div>DONE</div> </div>	Sprint 32/33	Sprint 33	Moved to backlog
<div> <div>+</div> <div>ICN-236 - OVN4K8SNFV development work</div> <div>IN PROGRESS</div> </div>	<div> <div>🟢</div> <div>IGN-520 - Enhance SFC to have multiple left/Right Network</div> <div>DONE</div> </div>	Sprint 34/35	Sprint 35	





















<div> <div>ICN-236 - OVN4K8SNFV development work</div> <div>IN PROGRESS</div> </div>	<div> <div>ICN-630 - Adding additional route in the pods(both running and creating)</div> <div>DONE</div> </div>	Sprint 34/35	Sprint 35	
<div> <div>ICN-236 - OVN4K8SNFV development work</div> <div>IN PROGRESS</div> </div>	<div> <div>ICN-634 - Testing additional SFC features</div> <div>DONE</div> </div>	Sprint 36/37	Sprint 38	
<div> <div>ICN-236 - OVN4K8SNFV development work</div> <div>IN PROGRESS</div> </div>	<div> <div>ICN-642 - SFC connectivity using pod labels alone</div> <div>DONE</div> </div>	Sprint 36/37	Sprint 37	
<div> <div>ICN-534 - Testing additional SFC features</div> <div>DONE</div> </div>	<div> <div>ICN-548 - SFC connectivity using Pod labels and Provider networks</div> <div>DONE</div> </div>	Sprint 36/37	Sprint 37	
<div> <div>ICN-236 - OVN4K8SNFV development work</div> <div>IN PROGRESS</div> </div>	<div> <div>ICN-564 - Jira project doesn't exist or you don't have permission to view it.</div> </div>	Sprint 38/39/40	n/a	<div>Moved to <a href="#">Todd Malsbary</a> -</div> <div> <div>ICN-594 - Enable nodus (formerly ovn4nfv-k8s-network-controller) to work with multiple multus networks</div> <div>DONE</div> </div>
<div> <div>ICN-236 - OVN4K8SNFV development work</div> <div>IN PROGRESS</div> </div>	<div> <div>ICN-566 - OVN4Nfv-K8S-Plugin ACL framework</div> <div>DONE</div> </div>	Sprint 38	Sprint 38	
<div> <div>ICN-236 - OVN4K8SNFV development work</div> <div>IN PROGRESS</div> </div>	<div> <div>ICN-566 - Draft proposal for SFC with K8s NPWG</div> <div>DONE</div> </div>	Sprint 38	Sprint 38	
<div> <div>ICN-236 - OVN4K8SNFV development work</div> <div>IN PROGRESS</div> </div>	<div> <div>ICN-570 - Network Policy initial phase 1</div> <div>DONE</div> </div>	Sprint 39/40/41	Sprint 41	
<div> <div>ICN-236 - OVN4K8SNFV development work</div> <div>IN PROGRESS</div> </div>	<div> <div>ICN-574 - Network and Service Function Chaining in a single CR</div> <div>DONE</div> </div>	Sprint 39	Sprint 39	
<div> <div>ICN-236 - OVN4K8SNFV development work</div> <div>IN PROGRESS</div> </div>	<div> <div>ICN-576 - Kata container with SFC testing</div> <div>DONE</div> </div>	Sprint 39/40	Sprint 40	
<div> <div>ICN-236 - OVN4K8SNFV development work</div> <div>IN PROGRESS</div> </div>	<div> <div>ICN-684 - Dynamic virtual network creation</div> <div>DONE</div> </div>	Sprint 40/41/42	Sprint 42	
<div> <div>ICN-236 - OVN4K8SNFV development work</div> <div>IN PROGRESS</div> </div>	<div> <div>ICN-593 - Ip rules to redirect primary network in the SFC</div> <div>IN PROGRESS</div> </div>	Sprint 43/44		
<div> <div>ICN-236 - OVN4K8SNFV development work</div> <div>IN PROGRESS</div> </div>	<div> <div>ICN-595 - SFC proxy PoC</div> <div>IN PROGRESS</div> </div>	Sprint 43/44		
<div> <div>ICN-236 - OVN4K8SNFV development work</div> <div>IN PROGRESS</div> </div>	<div> <div>ICN-597 - Nodus - Ubuntu LTS 20.04</div> <div>TO DO</div> </div>	Sprint 43/44		

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◦ Todo

Epic	JIRA Story	Sprint/Estimated Completion Date	Status/Actual Completion Date	Notes
<div> <div>ICN-217 - KuD R3 Release works</div> <div>IN PROGRESS</div> </div>	<div> <div>ICN-260 - KUD Multi Vagrant 18.04 issue</div> <div>DONE</div> </div>	Sprint 11/12/14/15	Sprint 15	
	<div> <div>ICN-284 - Vagrant vm can not get correct name server in ubuntu-1804.</div> <div>DONE</div> </div>	Sprint 11	Sprint 11	
	<div> <div>ICN-286 - Installer vm cannot install nfs because of nameserver issues.</div> <div>DONE</div> </div>	Sprint 12/14/15	Sprint 15	
	<div> <div>ICN-286 - All other VMs are unreachable for Installer VM</div> <div>DONE</div> </div>	Sprint 12	Sprint 12	
	<div> <div>ICN-363 - Compute01 no spcae left in KUD Multi Vagrant</div> <div>DONE</div> </div>	Sprint 12	Sprint 12	
	<div> <div>ICN-346 - Vagrant Box Build with base Ubuntu-18.04 for ICN</div> <div>DONE</div> </div>	Sprint 13	Sprint 13	
	<div> <div>ICN-366 - Upgrade the Kubespray 2.12 for KUD</div> <div>DONE</div> </div>	Sprint 16/17/18/19	Sprint 19	
	<div> <div>ICN-327 - criproxy failed to start up after node reboot</div> <div>DONE</div> </div>	Sprint 16/17	Sprint 17	

 <b>ICN-336</b> - Vagrant Virtlet testing not working in proxy testings DONE	Sprint 16	Sprint 16	
 <b>ICN-337</b> - QAT device plugin deploy issue DONE	Sprint 18/19/20	Sprint 20	
 <b>ICN-367</b> - KUD CI Folder installer DONE	Sprint 18/19	Sprint 19	
 <b>ICN-377</b> - Catch the cnf Pod no IP error DONE	Sprint 19	Sprint 19	
 <b>ICN-378</b> - Add watch function for cnf deployment and CR DONE	Sprint 19	Sprint 19	
 <b>ICN-380</b> - Apply watch to all controllers and test DONE	Sprint 19	Sprint 19	
<input checked="" type="checkbox"/> <b>ICN-354</b> - Fix ICN node reboot issue for the containerized version DONE	Sprint 19/20	Sprint 31	
 <b>ICN-399</b> - Create CNF helm chart DONE	Sprint 20	Sprint 20	
 <b>ICN-394</b> - Create helm chart for ICN SDEWAN controller DONE	Sprint 20	Sprint 20	
 <b>ICN-442</b> - A watch to monitor the service IPs changes DONE	Sprint 22	Sprint 22	
 <b>ICN-442</b> - A new custom Service controller to hold watch function DONE	Sprint 22	Sprint 22	
 <b>ICN-430</b> - Implement the service RESTful API DONE	Sprint 24/25/26/27	Sprint 27	
 <b>ICN-445</b> - Implement the CR for Services DONE	Sprint 26/27	Sprint 27	
 <b>ICN-446</b> - Change the Firewall restart script to update the iptables NAT rules DONE	Sprint 26/27	Sprint 27	
 <b>ICN-455</b> - Implement the CR for Application DONE	Sprint 29/30/31	Sprint 31	
 <b>ICN-484</b> - Implement RESTful API for Application DONE	Sprint 29/30	Sprint 30	
 <b>ICN-492</b> - Test the network connection PoC with Calico as default network DONE	Sprint 29	Sprint 29	
 <b>ICN-495</b> - Create the Application network access PoC for flannel and OVN DONE	Sprint 28	Sprint 28	
 <b>ICN-508</b> - Create Non-root user in CNF DONE	Sprint 31	Sprint 31	
 <b>ICN-509</b> - Update scripts from helm version v2 to v3 DONE	Sprint 30	Sprint 30	
 <b>ICN-540</b> - CNF configuration and rule change DONE	Sprint 30	Sprint 30	
 <b>ICN-544</b> - Handle some missing errors and response it DONE	Sprint 31	Sprint 31	
 <b>ICN-542</b> - License updates in CNF RESTful API DONE	Sprint 31	Sprint 31	
 <b>ICN-544</b> - Add watch mechanism for pod to auto sync DONE	Sprint 32	Sprint 32	
 <b>ICN-522</b> - Route CR controller implementation DONE	Sprint 34/35	Sprint 35	
 <b>ICN-523</b> - Route CNF RESTful API implementation DONE	Sprint 33	Sprint 33	
 <b>ICN-532</b> - Register service and applicaion CR to webhook DONE	Sprint 34	Sprint 34	
 <b>ICN-533</b> - Enhance CNF RESTful API DONE	Sprint 33	Sprint 33	
 <b>ICN-534</b> - Watch the CNF deployment status and sync DONE	Sprint 33	Sprint 33	

 <b>ICN-543</b> - CNF status response for route request <span>DONE</span>	Sprint 35/36	Sprint 36	
 <b>ICN-544</b> - Rule CR controller <span>DONE</span>	Sprint 37	Sprint 37	
 <b>ICN-545</b> - Rule CNF RESTful API <span>DONE</span>	Sprint 36/37	Sprint 37	
 <b>ICN-565</b> - CNF status response for rule request <span>DONE</span>	Sprint 37	Sprint 37	
 <b>ICN-574</b> - CNF helm charts safe update for OpenNess <span>DONE</span>	Sprint 37	Sprint 37	
 <b>ICN-556</b> - Fix loop errors and lint errors (shell, go, yaml) <span>DONE</span>	Sprint 38	Sprint 38	
 <b>ICN-557</b> - CNF status response for contrack query <span>DONE</span>	Sprint 38	Sprint 38	
 <b>ICN-568</b> - Copyright fix for OpenNESS integration <span>DONE</span>	Sprint 38	Sprint 38	
 <b>ICN-569</b> - Update CNF base image to latest stable version 19.07 and verify <span>DONE</span>	Sprint 39	Sprint 39	
 <b>ICN-570</b> - Build CNF OpenWrt image with custom applications <span>DONE</span>	Sprint 40	Sprint 40	
 <b>ICN-585</b> - BKM - Build custom application based on OpenWRT source code <span>DONE</span>	Sprint 40	Sprint 40	
 <b>ICN-586</b> - Fix the contrack and route query errors <span>DONE</span>	Sprint 41	Sprint 41	
 <b>ICN-590</b> - PoC - Build SCC/RSync image and test with latest rsync code <span>DONE</span>	Sprint 41/42	Sprint 42	
 <b>ICN-587</b> - Rsync CNF status in overlay controller <span>DONE</span>	Sprint 42	Sprint 42	
 <b>ICN-599</b> - Integrate latest ewo cnf and crd to icn/sdwan <span>DONE</span>	Sprint 43	Sprint 42	
 <b>ICN-600</b> - Fix sdwan ewo CI/CD issues and change in icn/sdwan <span>DONE</span>	Sprint 43	Sprint 43	
 <b>ICN-604</b> - Update codes based on golangci-lint version to 1.40.1 <span>DONE</span>	Sprint 44	Sprint 44	
 <b>ICN-602</b> - Integrate istio into sdwan overlay controller <span>IN PROGRESS</span>	Sprint 44/45		
 <b>ICN-604</b> - Fix the null point bug in icn/sdwan and ewo <span>DONE</span>	Sprint 44	Sprint 44	
 <b>ICN-605</b> - Docs: Setup and guide to integrate auth/virtual_service with istio <span>TO DO</span>	Sprint 45		

Ruoyu Ying

◦ Todo

Epic	JIRA Story	Sprint/Estimated Completion Date	Status/Actual Completion Date	Notes
<div><div>🔗</div><div>ICN-190 - E2E usages for SDWAN module in ICN to support multiple cluster communication through security WAN interfaces</div><div>TO DO</div></div>	<div><div>📌</div><div>ICN-242 - Investigate IPSec implementation in strongswan</div><div>DONE</div></div>	Sprint 11/12		
	<div><div>📌</div><div>ICN-276 - IPSec CRD Design</div><div>DONE</div></div>	Sprint 11/12	Sprint 11	
	<div><div>📌</div><div>ICN-276 - IPSec RESTful API Design</div><div>DONE</div></div>	Sprint 11/12	Sprint 11	
	<div><div>📌</div><div>ICN-280 - IPSec CRD and REST API implementation</div><div>DONE</div></div>	Sprint 18	Sprint 18	
	<div><div>✅</div><div>ICN-343 - PoC for integration scenario</div><div>DONE</div></div>	Sprint15	Sprint15	
	<div><div>📌</div><div>ICN-344 - SDEWAN E2E test scenario integration</div><div>DONE</div></div>	Sprint16	Sprint17	
	<div><div>📌</div><div>ICN-300 - SDEWAN end-to-end scenario with CRD &amp; controller</div><div>DONE</div></div>	Sprint19	Sprint19	
	<div><div>📌</div><div>ICN-376 - Enable end-to-end test scenario in bare-metal</div><div>DONE</div></div>	Sprint20/21		De-prioritized
	<div><div>✅</div><div>ICN-373 - SDEWAN CNF: enable VTI router based IPSec</div><div>DONE</div></div>	Sprint21/22	Sprint 26	
	<div><div>📌</div><div>ICN-451 - Investigation on BGP /OSPF support</div><div>IN PROGRESS</div></div>	Sprint26/27		De-prioritized
	<div><div>✅</div><div>ICN-484 - SDEWAN Central Controller: Hub Manager</div><div>DONE</div></div>	Sprint 28/29/Sprint30		
	<div><div>✅</div><div>ICN-500 - SDEWAN Central Controller: Setup Demo on BM environment</div><div>DONE</div></div>	Sprint29/Sprint30	Sprint30	
	<div><div>📌</div><div>ICN-503 - SDEWAN R4 CI testing</div><div>DONE</div></div>	Sprint30	Sprint30	
	<div><div>✅</div><div>ICN-493 - SDEWAN Central Controller: Device Manager</div><div>DONE</div></div>	Sprint33/34	Sprint34	
	<div><div>✅</div><div>ICN-494 - SDEWAN Central Controller: Hub-Device Manager</div><div>DONE</div></div>	Sprint33/34	Sprint34	
	<div><div>📌</div><div>ICN-563 - E2E demo for HCL</div><div>DONE</div></div>	Sprint 35/36	Sprint 38	
	<div><div>✅</div><div>ICN-582 - Add status query for IPSEC</div><div>DONE</div></div>	Sprint 39/40	Sprint 40	
	<div><div>✅</div><div>ICN-592 - NGS demo support</div><div>IN PROGRESS</div></div>	Sprint 41/42		
	<div><div>✅</div><div>ICN-589 - SDEWAN Central Controller: Multiple Hubs support</div><div>IN PROGRESS</div></div>	Sprint 44/45		
	<div><div>✅</div><div>ICN-606 - E2E scenario with upgraded cnf(19.07)</div><div>IN PROGRESS</div></div>	Sprint 44/45		












Todd Malsbary

• Todo

Epic	JIRA Story	Sprint/Estimated Completion Date	Status/Actual Completion Date	Notes
<div><div>🔗</div><div>ICN-5 - Kud for ICN</div><div>TO DO</div></div>	<div><div>📌</div><div>ICN-433 - Creating EMCO V2 script in KUD</div><div>DONE</div></div>	Sprint 23	Sprint 24	
	<div><div>📌</div><div>ICN-448 - Create plugin test script for vFW for EMCO V2 script in KUD</div><div>DONE</div></div>	Sprint 25	Sprint 27	

	<div> <b>ICN-456</b> - Run vFW V2 test script as part of ICN install <span>DONE</span> </div>	Sprint 26	Sprint 29	
	<div> <b>ICN-470</b> - Review and update plugin_fw_v2.sh for changes to genericPlacementIntent <span>DONE</span> </div>	Sprint 27	Sprint 27	
	<div> <b>ICN-480</b> - Update plugin_fw_v2.sh to use emccotl <span>DONE</span> </div>	Sprint 28	Sprint 43	
	<div> <b>ICN-486</b> - Upgrade the Kubespray 2.14 for KUD <span>DONE</span> </div>	Sprint 28	Sprint 30	
	<div> <b>ICN-643</b> - Installed kernel cmdline needs intel_iommu=on iommu=pt to support QAT <span>DONE</span> </div>	Sprint 31	Sprint 31	
	<div> <b>ICN-487</b> - Get blual running as part of CI for R4 release <span>DONE</span> </div>	Sprint 29	Sprint 29	
	<div> <b>ICN-504</b> - Resolve security PASS /FAIL criteria for R4 <span>DONE</span> </div>	Sprint 30	Sprint 31	
	<div> <b>ICN-453</b> - Re-playing the vm-setup /setup-playbook causes subsequent provisioning to fail <span>DONE</span> </div>	Sprint 26	Sprint 29	
	<div> <b>ICN-475</b> - Baremetal deploy make_bm_hosts step fails when baremetal-operator repo is not present <span>DONE</span> </div>	Sprint 27	Sprint 29	
	<div> <b>ICN-476</b> - *.02_verify.sh: line 22: [: too many arguments" when the state is "registration error" <span>DONE</span> </div>	Sprint 27	Sprint 29	
	<div> <b>ICN-477</b> - interface is spelled interface (missing r) in several places <span>DONE</span> </div>	Sprint 27	Sprint 29	
	<div> <b>ICN-484</b> - metal3 provisioning fails for nvme devices <span>DONE</span> </div>	Sprint 28	Sprint 29	
	<div> <b>ICN-490</b> - The ironic-python-agent tar link on http://images.rdoproject.com is gone which breaks bare metal deploy <span>DONE</span> </div>	Sprint 28	Sprint 29	
	<div> <b>ICN-497</b> - username and password from nodes.json are unused <span>DONE</span> </div>	Sprint 29	Sprint 29	
	<div> <b>ICN-504</b> - Clean steps should treat missing resources as already deleted <span>DONE</span> </div>	Sprint 30	Sprint 31	
	<div> <b>ICN-673</b> - Enable static configuration of BareMetalHost interfaces <span>DONE</span> </div>	Sprint 39	Sprint 39	
	<div> <b>ICN-637</b> - Create multicloud-emco charts in OOM repository <span>DONE</span> </div>	Sprint 34	Sprint 34	
<div> <b>ICN-516</b> - Install addons via EMCO <span>IN PROGRESS</span> </div>	<div> <b>ICN-547</b> - Review existing addons and plan for migrating to EMCO deploy <span>DONE</span> </div>	Sprint 33	Sprint 35	
	<div> <b>ICN-546</b> - Replace cmk addon with helm chart <span>DONE</span> </div>	Sprint 36/37	Sprint 39	
	<div> <b>ICN-548</b> - Replace multus addon with helm chart <span>DONE</span> </div>	Sprint 37	Sprint 39	
	<div> <b>ICN-561</b> - Replace nfd addon with helm chart <span>DONE</span> </div>	Sprint 37	Sprint 39	
	<div> <b>ICN-563</b> - Replace qat addon with helm chart <span>DONE</span> </div>	Sprint 37/38	Sprint 39	
	<div> <b>ICN-562</b> - Replace sriov addon with helm chart <span>DONE</span> </div>	Sprint 38	Sprint 39	
	<div> <b>ICN-560</b> - Replace ovn4nlv addon with helm chart <span>DONE</span> </div>	Sprint 38	Sprint 39	



	<div><div> <b>ICN-562</b> - Update emco deploy to 21.03 release <span>DONE</span></div></div>	Sprint 39	Sprint 40	
	<div><div> <b>ICN-564</b> - Deploy addons with emco <span>DONE</span></div></div>	Sprint 39	Sprint 40	
<div><div> <b>ICN-520</b> - Comprehensive OVN4NFV connectivity tests <span>DONE</span></div></div>	<div><div> <b>ICN-524</b> - Create manual deployment of SFC setup <span>DONE</span></div></div>	Sprint 33	Sprint 34	
	<div><div> <b>ICN-536</b> - Automate deployment of SFC setup <span>DONE</span></div></div>	Sprint 33	Sprint 34	
	<div><div> <b>ICN-536</b> - Automate OVN4NFV connectivity tests <span>DONE</span></div></div>	Sprint 34	Sprint 38	
<div><div> <b>ICN-540</b> - Replace virtlet with kubevirt <span>DONE</span></div></div>	<div><div> <b>ICN-544</b> - Create kubvirt addon playbook and test script <span>DONE</span></div></div>	Sprint 35	Sprint 43	
	<div><div> <b>ICN-542</b> - Replace usage of virtlet in emco plugin_fw_v2 test with kubevirt <span>DONE</span></div></div>	Sprint 35		
	<div><div> <b>ICN-594</b> - Enable nodus (formerly ovn4nfv-k8s-network-controller) to work with multiple multus networks <span>DONE</span></div></div>	Sprint 40	Sprint 42	
	<div><div> <b>ICN-596</b> - Enable CI/CD for Kata-configured builds <span>DONE</span></div></div>	Sprint 42	Sprint 42	