

# Network Discovery - Functional Test Cases (Dublin)

- Network Discovery
  - Native OpenStack API Support
  - HTTPS Support for Network Discovery
  - Network Discovery - network
  - Network Discovery - ports
  - POMBA: Cheap and cheerful Openstack Network Discovery Robustness

## Network Discovery

### Native OpenStack API Support

Test Case	Description	Status	Owner	Date	JIRA link	Comment
nd   oom   deployment	Verify that nd can be deployed with the latest changes that allow connectivity to an openstack environment	PASS	J. Ram Balasubramanian		<a href="#">SDNC-533 - Getting issue details...</a> <a href="#">STATUS</a>	
nd   oom   deployment   configuration	Verify that on the nd, the openstack environment endpoint is configurable	PASS	J. Ram Balasubramanian		<a href="#">SDNC-533 - Getting issue details...</a> <a href="#">STATUS</a>	I3-network out of scope for now
nd   oom   deployment   incorrect credentials	Verify that the nd process still comes up with incorrect credentials to openstack needed for token access	PASS	J. Ram Balasubramanian		<a href="#">SDNC-533 - Getting issue details...</a> <a href="#">STATUS</a>	
nd   oom   deployment   API Unreachable	Verify that the nd process still comes up with an unreachable endpoint for openstack	FAIL	J. Ram Balasubramanian		<a href="#">SDNC-533 - Getting issue details...</a> <a href="#">STATUS</a>	NPE produced  <a href="#">SDNC-559 - Getting issue details...</a> <a href="#">STATUS</a>
nd   logging	verify that the logging is consistent with ONAP logging and informative	PASS	J. Ram Balasubramanian		<a href="#">SDNC-533 - Getting issue details...</a> <a href="#">STATUS</a>	
nd   logging   passwords	verify that the logging does not contain any sensitive information	FAIL	J. Ram Balasubramanian		<a href="#">SDNC-533 - Getting issue details...</a> <a href="#">STATUS</a>	<a href="#">LOG-909 - Getting issue details...</a> <a href="#">STATUS</a>
nd   logging   error	verify that the logging is consistent with ONAP logging and informative	PASS	J. Ram Balasubramanian		<a href="#">SDNC-533 - Getting issue details...</a> <a href="#">STATUS</a>	
nd   query openstack   vserver   aai	verify that the aggregator can query the aaictxbuilder and send a vserver to be queried by nd	PASS	J. Ram Balasubramanian		<a href="#">SDNC-533 - Getting issue details...</a> <a href="#">STATUS</a>	
nd   query openstack   non existent vserver   aai	verify that the aggregator can query the aaictxbuilder and send a vserver that does not exist in openstack	PASS	J. Ram Balasubramanian		<a href="#">SDNC-533 - Getting issue details...</a> <a href="#">STATUS</a>	

nd   query openstack   ndcb response	verify that the ncdb can reach the nd and get a response back for the above two queries	PASS	J. Ram Balasubramanian		<a href="#">SDNC-533 - Getting issue details...</a> <a href="#">STATUS</a>	
nd   query openstack   discovery and stitch	verify that the raw data retrieved by nd can be successfully passed to ncdb which is then stitched to a response	PASS	J. Ram Balasubramanian		<a href="#">SDNC-533 - Getting issue details...</a> <a href="#">STATUS</a>	
nd   query openstack   context aggregator	verify that the data retrieved by by nd can be successfully reached back to ctxaggregator	PASS	J. Ram Balasubramanian		<a href="#">SDNC-533 - Getting issue details...</a> <a href="#">STATUS</a>	
nd   query openstack   kibana reporting	verify that the data retrieved by by nd can be successfully reported back to the kibana board	PASS	J. Ram Balasubramanian		<a href="#">SDNC-533 - Getting issue details...</a> <a href="#">STATUS</a>	
developer documentation	Verify that the ONAP developer wiki has been updated with information regarding the latest network discovery API and calls	PASS	J. Ram Balasubramanian		<a href="#">SDNC-533 - Getting issue details...</a> <a href="#">STATUS</a>	

## HTTPS Support for Network Discovery

Test Case	Description	Status	Owner	Date	JIRA link	Comment
ndcb   deployment   https	Verify that the context builder can be deployed (using configuration) to talk to ND via HTTPS	PASS	J. Ram Balasubramanian		<a href="#">SDNC-375 - Getting issue details...</a> <a href="#">STATUS</a>	
ndcb   deployment   certs	Verify that OOM can deploy the appropriate certs for the ndcb in the appropriate folders	PASS	J. Ram Balasubramanian		<a href="#">SDNC-375 - Getting issue details...</a> <a href="#">STATUS</a>	
ndcb   nd   https	Verify that the ndcb talks to nd over https	PASS	J. Ram Balasubramanian		<a href="#">SDNC-375 - Getting issue details...</a> <a href="#">STATUS</a>	
nd   http	Verify that the nd talk to southbound (openstackAPI) via http	PASS	J. Ram Balasubramanian		<a href="#">SDNC-375 - Getting issue details...</a> <a href="#">STATUS</a>	
nd   http   ndcb	Verify that the northbound (nd -> ndcb) is still http	PASS	J. Ram Balasubramanian		<a href="#">SDNC-375 - Getting issue details...</a> <a href="#">STATUS</a>	
nd   http	Verify that the ND rejects the request if sent by HTTP only	PASS	J. Ram Balasubramanian		<a href="#">SDNC-375 - Getting issue details...</a> <a href="#">STATUS</a>	

## Network Discovery - network

Test Case	Description	Status	Owner	Date	JIRA link	Comment
nd   network retrieval	Verify that the network attributes are returned. See <a href="#">Network Discovery Microservice (Dublin release)</a> for a list of expected attributes.	PASS	J. Ram Balasubramanian		<a href="#">SDNC-475 - Getting issue details...</a> <a href="#">STATUS</a>	
nd   network retrieval failure	Verify that a failure is returned if the network-id is not found in Openstack	PASS	J. Ram Balasubramanian		<a href="#">SDNC-475 - Getting issue details...</a> <a href="#">STATUS</a>	

## Network Discovery - ports

Test Case	Description	Status	Owner	Date	JIRA link	Comment
nd   port	Verify that the port and its related attributes can be returned by Openstack	PASS	J. Ram Balasubramanian		<a href="#">SDNC-637</a> - Getting issue details... <a href="#">STATUS</a>	
nd   port	Verify that information is correctly logged in ND for query to Openstack	PASS	J. Ram Balasubramanian		<a href="#">SDNC-637</a> - Getting issue details... <a href="#">STATUS</a>	
nd   port	Verify that the returned values from OpenStack are properly read by ND	PASS	J. Ram Balasubramanian		<a href="#">SDNC-637</a> - Getting issue details... <a href="#">STATUS</a>	

## POMBA: Cheap and cheerful Openstack Network Discovery Robustness

Test Case	Description	Status	Owner	Date	JIRA link	Comment
nd   openstack not reachable	verify that incase the openstack vm is not reachable, nd returns an error, but flow still continues		J. Ram Balasubramanian		<a href="#">LOG-938</a> - Getting issue details... <a href="#">STATUS</a>	
nd   openstack credentials not valid	verify that incase wrong credentials were supplied (user-name), nd returns an error code but the flow still continues		J. Ram Balasubramanian		<a href="#">LOG-938</a> - Getting issue details... <a href="#">STATUS</a>	
nd   openstack password is not valid	verify that incase wrong password were supplied, nd returns an error code but the flow still continues		J. Ram Balasubramanian		<a href="#">LOG-938</a> - Getting issue details... <a href="#">STATUS</a>	
nd   openstack endpoint not valid	verify that incase an incorrect/invalid URL is supplied, nd still starts up and accepts requests. But returns dataQuality error and flow continues		J. Ram Balasubramanian		<a href="#">LOG-938</a> - Getting issue details... <a href="#">STATUS</a>	