

Missing Platform capabilities

OBSOLETE, all requirements were moved to [Merged list of R2 functional requirement candidates](#)


R1 missing Platform capabilities

- **Residential vCPE Multi-cloud support**
- **Support real-world service design in SDC with standard based TOSCA model**
- **Unify all design tools (DG, Policy, DCAE Template, CLAMP, Holmes, A&AI schema, etc) and make them as integral part of service design**
- **VNF image management**
- **DNS name configuration**

Title	Priority	Summary	Use Cases	R1 Status	R2 Status
Provide powerful test and debug environment/tools	1	Powerful tools are needed to facilitate service development and operation.	All	Not supported	
Integrated design environment	1	Integrate workflow design, policy design, CLAMP, DG design, and AAI schema design into SDC	All	Not supported	
Platform capabilities exposure.	1	Ability to stitch together functionality provided by ONAP components to achieve an E2E management task.	Change Management	Not supported	
VNF Components Capability	1	The capability to model complex VNFs composed of VNFCs which are scaled independently.	All	Unknown.	
PNF Modelling Capability	1	Support PNF modeling and associated workflow design in SO.	All	Supported by SDC and A&AI. Not supported by SO.	
VNF Homing Capability	2	Homing functionality for choosing the appropriate MultiCloud instance for ONAP components and VNFs in a Distributed DC deployment	All	Not Implemented.	Provided by ONAP-OF Homing and Allocation Service.
Enhanced Platform Awareness Capability	2	The capability orchestrate and configure VNFs with EPA requirements.	Performance, Security and resource isolation	Not Supported.	
Enhance SDC capabilities	2	A list of features are suggested.	All	Not supported	
Enhance SO Capabilities	2	A list of features are suggested.	All	Not supported	
Is there a need to consolidate VID and UII?	2	Discussion is need on if there is a need to consolidating VID and UII into one GUI.	All	Not supported	
Dynamic Update of Cloud Resources in Multi-Vim	2	How to support dynamic addition/removal of cloud resources in multi-vim?	All	Not applicable	
Standard/Generic Process to Pass Configuration Data to APPC	2	How to pass potentially large amount of application-level configuration data to APPC, especially during service deployment.	All	Not applicable	
Task Scheduling	2	Allow tasks to be scheduled for execution	All	Not implemented.	

Service Modification Capability	2	The capability to modify existing services	All	Not implemented.
VNF/VNFC Scale-Out Capability	3	The capability scale-out a VNF or VNFC by adding vServers.	All	Not Supported.
VNF/VNFC Scale-Up Capability	3	The capability to scale-up a VNF or VNFC by adding resources.	All	Not Supported.
Service Ownership	4	Allow services to have set of owners.	All	Not implemented.
Locking Mechanism.	4	Support of locking mechanism that can prevent different parts of ONAP from accessing	Change Management	Not supported
Service Aggregation Capability	4	The capability to model and orchestrate services which are composed of other services, recursively	All	Only Allotted Resource implemented.
Service Chaining Capability	5	The capability to model and orchestrate chains of connected services.	All	Not Supported.

To add a missing capability:

- View one of the existing capabilities.
- Click the  button at the top right, to view the page menu, and select Copy.
- Accept the defaults.
- Overwrite the copied content as appropriate.
- Make sure the new page has the label **platform-capability**, so it is included in the query above.



Related Lists

- [R2 proposals for Non-functional requirements](#)
- [Summary of Functional Platform Requirements arising from 5G Use Case](#)
- [Summary of Functional Platform Requirements arising from SDWAN Use Case](#)