HPA Impact on the SDC Project

Background

Assume that specification of hardware platform capability requirements for R2 will be based on TOSCA templates. TOSCA templates mayEveryo optionally contain capability clauses defining hardware platform capability requirements. The capability requirements will be specified as comma separated lists of tuples. The ONAP information model specifies the following sets of (optional) hardware capability requirements - CPU, memory, storage and network. The requirement sets are associated with specific VDUs. If hardware capability requirements are provided, SDC will need to parse them and internalize them in a format suitable for use during initial instantiation and operation. Tuple parsing tools will be required to parse requirement strings. We can use the same tools as the ones provided for VNFD validation, as part of the VNF SDK, for this purpose.

Assumptions & Decisions

	Assumption/Decision
1	Support for HPA assumes a TOSCA based VNF.
2	Support for HPA in HEAT based VNFs is out of scope.
3	HPA information is to be captured per VDU/VNFC. Anatoly to review and come with a proposal for a modeling approach.
4	Michael to schedule a meeting to discuss VID/SO "orchestration type" solution.
5	Stretch goals... • HEAT/TOSCA and licenses model builder/translator. • On-boarding - image upload to Multi-VIM. • On-boarding - SDC/VNFSDK integration. • Implement SDC model.
6	Michael/Roy to enter relevant epics into SDC and VID.