Hong-Linh Truong 2nd assignment

Advanced Services Engineering – Summer 2015 Last updated: 27.03.2015

Decide Platform Services and the Topology for Your Scenario

The goal of this assignment is to decide concrete platform services and to specify the topology of these services that are suitable for the scenario of a complex service system that you have developed in the first assignment. From your defined scenario in the first assignment, in this assignment you will have:

- Select suitable software components/services to setup the platform for the scenario. Note that the platform includes core services, such as VMs, containers, application platform services, database-as-a-service, etc., but not the dataset or the application services/components that you will use and develop. The number of the platform services are dependent on your scenario. You should explain why you select such concrete platform services for your scenario.
- Describe a topology of software services in your platform. This can be done through conceptual figures or concretely by a topology description language (e.g., using TOSCA). You don't have to deploy the platform you design but you can use existing tools to test your design if you want (e.g., using iCOMOT, Chef, etc.)
- You can also revise your scenario. You don't have to update the first assignment report but you can reflect your revised scenario in the 2nd assignment by making some notes.

The report describing your selection of platform services and topology should be limited to 2 pages in IEEE computer society format template (https://www.ieee.org/conferences_events/conferences/publishing/templates.html). Optionally, you can also provide a concrete specification of the topology that can be deployed if you have (e.g., in TOSCA). The PDF report must be submitted to TUWELL based on the deadline mentioned in TUWEL. Optional topology description files could also be submitted.