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<p>Title:</p> <h2 style="text-align: center;">D4.2: Consolidated cloud-based platforms for testing and data management</h2>		
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<p>Abstract / Executive summary:</p> <p>This deliverable D4.2 presents the consolidated versions of the cloud-based platforms for testing and data management. HD services (Heterogeneous and Distributed services) characterize the class of services or applications within the Future Internet whose logic and value emerges from a set of communicating software components distributed on a heterogeneous computing continuum from clouds to mobile devices, sensors and/or smart-objects.</p> <p>Engineering such HD-services is however not a trivial task, as software developers need to master a wide range of platforms (microcontroller, gateway, smartphones, PC, cloud) having very diverse capabilities (from a few KB of RAM and few MHz of CPU, to a few GB of RAM and few GHz of CPU). Different programming languages thus need to be employed to efficiently address the specificities of the different platforms, typically: C with no OS on microcontroller, C/C++ (or Java) on Linux on gateways, Java/Android on smartphone, JavaScript for web browser-based devices, Java or Node.JS for servers.</p> <p>This deliverable D4.2 presents the consolidated versions of the cloud-based platforms for testing and data management. More precisely, it extends D4.1 with:</p> <ul style="list-style-type: none"> • Improving the integration between the three frameworks that have been designed on top of Kevoree for testing HD-services. This implies finalizing the deployment model synthesizer and the test data for HD-services. • Finalizing the tool chain that allows to automatically stress non-functional properties of HD-services. • Providing a realization of the CEP recommendation tool for distribution of CEP-based HD services to different nodes 		
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