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Title: <h2 style="text-align: center;">D4.1: Initial cloud based platforms for testing and data management</h2>		
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Abstract / Executive summary: <p>This deliverable D4.1 presented the current status of the HEADS Initial cloud based platforms for testing and data management after 10 months since the project started.</p> <p>In this Work Package (Cloud based platforms), we have identified the following challenges.</p> <ul style="list-style-type: none"> • Coordinating the deployment and the configuration of containers, platforms, applications and network for a specific tests case. • Finely monitor and control the resource for a set of components • Efficient generation of test data for Heterogeneous and Distributed services (HD-services) • Efficiently collect data of HD-Services. <p>Consequently, this deliverable details i) how we extend Kevoree to use this language to easily configure test beds for HD-Services; ii) initial result to efficiently monitor and control resources of a set of HD-Services components; iii) the techniques used to efficiently generated test data and package test suite for simplifying the deployment of a set of components; iv) the proposed techniques used to manage a huge amount of HD-Services data.</p> <p>These results are built with the collaboration of INRIA and Software AG in order to provide:</p> <ul style="list-style-type: none"> • A set of Kevoree extensions to drive system level container and a testing framework built on top of Kevoree for testing distributed services • A new concept and tooling for distributing Complex Event Processing (CEP) logic. 		
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