

FP7 Harness project - Hardware- and Network-Enhanced Software Systems for Cloud Computing

Wednesday, 20 May 2015 15:50 (20 minutes)

HARNES is a research-based cloud computing platform that aims to advance the state-of-the-art in data centre design by allowing cloud providers effectively manage specialised hardware and network technologies in a similar way as today's commodity resources. At the heart of HARNES is a multi-level management architecture for heterogeneous clouds. At the top level, the platform allocates computation, communication, and storage resources to applications coarsely, by exploring multiple deployments that satisfy user goals. At the bottom level, low-level schedulers manage different types of resources at a finer granularity, multiplexing application requests across physical machinery based on demand, current load, and data access patterns.

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Session Classification: Cloud PaaS - all user communities meeting (<http://go.egi.eu/paas>)