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Kasenna Completes IPTV-Subscriber Benchmark Test

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The test proves scalability and resiliency of IPTV infrastructure.

Wednesday, April 18, 2007: Kasenna, the IPTV company, has teamed up with HP and Intel to complete a one-million-IPTV-subscriber benchmark test for broadcast television and bandwidth-intensive Video on Demand (VOD) services. The benchmark test proved that an IPTV infrastructure developed by Kasenna, together with HP and Intel, can support one million subscribers.

The IPTV-infrastructure test bed, built around Kasenna's portal TV product suite, consisting of the LivingRoom middleware platform and MediaBase video server software, utilised HP ProLiant servers powered by Intel low-power dual-core Xeon processors. The test was conducted in a simulated access network environment at the HP Communications, Media and Entertainment (CME) Solution Center in Grenoble, France.

As part of the certification process, the test centre stress-tested the portal TV infrastructure using a traffic model that subjected it to peak traffic patterns typical of Friday or Saturday evening consumer viewing. The test bed, which can be tuned to specific subscriber and traffic scenarios, is designed to allow service providers to test the infrastructure for their own user-generated traffic patterns – both traditional and anticipated traffic – and a variety of standalone, centralised and distributed-content distribution architectures as a means of proving the resiliency and scalability of the IPTV infrastructure before deployment. The network supports a multi-user configuration in which multiple HP ProLiant DL380 G5 or BL480c servers running LivingRoom middleware software, each supporting up to 120,000 active subscribers, may be tested.

“HP and Intel together deliver an industry-standard processor technology and platform optimised for IPTV. Intel's dual-core architecture makes possible a smaller-blade form factor and lower power consumption — reducing physical space and cooling requirements in order to help service providers lower their operating costs,” said, Doug Davis, vice president, digital enterprise group, Intel.

Commenting on the test, Peggy Dau, worldwide director, CME broadband and media solutions, HP, said, “HP, Kasenna and Intel worked together to define a model to test and prove the scalability of the Kasenna LivingRoom and MediaBase applications on HP ProLiant servers. We believe this benchmark will provide confidence to service providers that are deploying IPTV services.”

Kumar Shah, CEO, Kasenna, said, “Together with HP and Intel, I want to invite carriers and service providers to witness this test and leverage the results of our rigorous and comprehensive testing efforts to deploy a proven, scalable and resilient IPTV infrastructure.”