John Manley

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John Manley is director of the Automated Infrastructure Lab at HP Labs, exploring technologies that enable dynamic cloud computing – that is, service-oriented computing on an internet scale for both enterprises and individuals.

His team has been creating prototypes of cloud and utility computing systems for more than eight years, focusing principally on managing the lifecycles of virtual systems built on federated infrastructures and the lifecycles of applications delivered as services. The initial focus was on high-performance computing applications such as CGI-rendering for the animation industry, which led to HP offering a utility rendering service to DreamWorks. More recently the focus has been on enterprise transactional applications, in particular SAP.

Manley joined HP Labs in 1985 to work on knowledge-base management systems that allowed the storage and retrieval of much richer forms of information than are handled by database management systems. This work evolved to focus on enabling the meta-level treatment of federated, heterogeneous information sources.

In the early 1990s, he moved on to manage a team researching the scalability aspects of Telecommunications Management Network. This work led to technology transfers to the HP OpenView and telecommunications platform businesses.

More recently, Manley led research in a number of IT fields, including communications technologies and very large-scale systems such as voice over IP, web collaboration, 3D environments and notification systems.

He holds a Ph.D. in molecular quantum mechanics from the University of Bristol.

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