

Virtualization Aspects of Web Application Servers

- Abstract -

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Over last several years many IT departments – especially in large companies or organizations - built up huge and complex application server environments. Virtualization techniques offer a way to reduce this complexity, e.g. in the areas of administration, monitoring or runtime behaviour. The aim of virtualization is not only to simplify these tasks but also to introduce completely new functions into the architecture, like the definition of “Service Level Agreements” (SLAs) or some aspects of Autonomic Computing (self-healing, self-optimizing, etc.).

Using the IBM product “WebSphere Virtual Enterprise” as an example the current status of industry proven solutions is explained and a lookout for possible future developments of web application server environments is given.

About my person:

After studying Mathematics at the University of Bayreuth I joined the Heidelberg Science Center of IBM in 1995. Since 8 years I'm working as a WebSphere Specialist in the IBM Software Group with special focus on application servers.

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