PCE Implementation and Testing by Using Virtual Machines

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Abstract—**In this paper, we describe the way to implement and test a PCE on the virtualized environment. The PCE is a special computational entity that will corporate with similar entities to compute the best possible path through single or multiple domains. Generally, in real network, the testing and implementation of network-related works are very difficult and complex but those works are much easier on the virtualized environment using virtual machines and networks. In this paper, we introduce the result of PCE implementation and test environment by using virtual machines and networks of VMware hypervisor, VMware ESX Server.**

Keyword— **Virtualization, Hypervisor, Virtual Machine, Virtual Network, Path Computation Element**

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