Managing collaboration and interoperability of dynamic business networks

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Abstract

Today, enterprises are challenged to join dynamic business networks for gaining and holding their share at a business domain. These business networks, virtual enterprises, jointly provide added value services. However, the autonomic nature of members in the network and the expected dynamism of joint collaboration model create challenges for the operational computing environment.

This paper describes the middleware solutions of the web-Pilarcos project for managing a dynamic community where members require technical, semantical and pragmatical interoperability. The architecture design specifically addresses the needs of independent evolution in each involved enterprise. The middleware facilities of the architecture address strategic and operational phase services for breeding virtual enterprises. In this paper we focus on the reflective mechanism for operational phase control and coordination.

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D.2.12 Interoperability
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