A New Platform Specification Technique for Enabling Adaptation in Hierarchical Systems

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ABSTRACT

The constraints of present multilayer networks have become increasingly apparent as the diversity of new technologies and network services has grown. The tiered structure makes defining a protocol for each new service more complicated. A better option is to build a structured and modular framework for designing and implementing new standards and protocols. Structured networks provide a service by dynamically composing generic protocol function blocks based on user needs. One of the most critical difficulties in making such a mechanism function successfully is determining how to characterise network services. As a result, this study introduces a novel way for service description.

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