

Information-Flow for Mashups

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Abstract

A mashup is a web application that employs Web 2.0 techniques to integrate content from different providers to create a new service, not provided by the content providers. As mashups are becoming increasingly popular, the problem of securely integrating content while maintaining separation and isolation between the components of the mashup is more important now than ever. We present a security lattice-based approach to mashup security, where the domain names of the different components of the mashup are used as labels in the security lattice. After the security lattice has been established, a run-time monitor can be used to guarantee isolation between mashup components.