

GViz: An Enabling Framework for a Geo Data Visualization Dashboard

Ashan Fernando, Maninda Edirisooriya, Prasad Fernando, Wasantha Wickramasinghe and Shahani Markus Weerawarana

Abstract

This paper discusses the details of a research to design and implement a web-based geo-data visualization framework. This framework enables building dashboards with multiple visualization components. It provides extensibility, reuse of existing visualization components and use of multiple data sources. The framework also provides various extension points with the support of an event driven architecture for developers to extend its functionality thereby enabling of usage in a wide range of applications in the area of data visualization.