Abstract

This paper presents the design and use of ArcIMS with PHP and XML to create an ad-hoc dynamic mapping web service in support of TranStats, a one-stop intermodal transportation data warehouse and analysis web site created by the U.S. Department of Transportation's Bureau of Transportation Statistics. The mapping service enables the creation of dynamic (features like pan, zoom, identify, etc.) state and county choropleth maps for any dataset by allowing the client to send the thematic and join data encoded in an XML request which is then processed in a server-side application framework using ArcIMS as the mapping engine.

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