Abstract

Developing and Integrating Web Services for Georeferencing to the NHD
Track: Water Resources
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RTI, under a contract with the U.S. Environmental Protection Agency (EPA), has developed a Web-based ArcIMS application, called the Web-Based Reach Indexing Tool (WebRIT). WebRIT is used to create, validate, and update National Hydrography Dataset (NHD) reach indexes, latitude/longitude coordinates, and other locational data. The initial version of WebRIT used a traditional ArcIMS architecture, however, recent advances in Web service technology allow WebRIT to take advantage of existing Web services and build new ones for use by other EPA applications. This paper describes the WebRIT architecture, Web services created and used by WebRIT, and the advantages of the application architecture.

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