Abstract

ArcSDE Data Preparation Techniques to Optimize Mapping for Time-Critical Applications
Track: Database Design, Automation, and Management
Author(s): Brad Gellerstedt, Mark Harley

GIS software is commonly used to generate maps for interactive applications. Speed is often critical in such situations. For example, people browsing the Web may lose interest and click elsewhere if they don't notice a prompt response. In certain situations, it can be advantageous to pre-calculate and store selected information, rather than require the GIS software to generate it on the fly for each map draw. This paper discusses the evaluation and identification of candidates for data pre-calculation in an ArcSDE server context. Benchmarks are shown contrasting system performance and describing the up front processing required to achieve the demonstrated run-time performance gains.

Brad Gellerstedt
Geographic Data Technology
Consultative Services
11 Lafayette Street
Lebanon, NH 03766
USA
Phone: 603 643 0330
Fax: 603 643 6808
E-mail: Brad_Gellerstedt@gdt1.com

Mark Harley
Geographic Data Technology
Consultative Services
11 Lafayette Street
Lebanon 03766
USA
Phone: 603 643 0330
Fax: 603 643 6808
E-mail: Mark_Harley@gdt1.com