Abstract

ArcIMS Geospatial Services Operations in the EPA National Computer Center
Track: Federal Government Systems
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EPA Office of Environmental Information (OEI) operates and maintains many ArcIMS applications and Geoservices in its National Computer Center (NCC) in North Carolina. This paper will discuss how to design, test, implement, and maintain a large enterprise system that can effectively hosts various ArcIMS applications and geospatial services with desirable performance levels in the real world. Based on our own experiences with the EPA NCC operation, this discussion will include detailed technical information on system resource designs for ArcIMS geospatial services, network resource considerations, optimization for image-based geospatial services, optimization for feature based geoservices, and operation monitoring and response.

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