Abstract

The Challenges of Building an Enterprise-Quality Web Mapping Solution for State Government
Track: System Implementation for GIS
Author(s): Dixie Davis, Chris Judd

This paper discusses the lessons learned in designing, building, and implementing a highly available, fault-tolerant, and distributed ArcIMS system. Topics addressed include: using a Reverse Proxy Server for enhanced security, Server Load Balancing, configuring multiple Spatial Servers, ArcIMS Fail-over, and the development of remote access procedures for an in-house development community. The challenge was to build a commercial-grade, centrally-managed, Web mapping system that would replace an existing handful of independent, Internet, and intranet map servers.

Dixie Davis
The GIS Shop, INC.
PO Box 14124
Tallahassee, FL 323174124
USA
Phone: 8509335359
Fax: 8503857572
E-mail: dixie@gisshop.com

Chris Judd
FL Department of Environmental Protection
RAM/BIS/GIS
2600 Blair Stone Road
MS6520
Tallahassee 32399
USA
Phone: 8502458297
E-mail: chris.judd@dep.state.fl.us