

Illinois Department of Natural Resources
Office of Mines & Minerals
Land Reclamation Division

Migrating to ArcGIS Server

By

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Illinois Department of Natural Resources
Office of Mines & Minerals
Land Reclamation Division

ArcIMS

**Illinois Site
On the Internet
December 2004**

Illinois Department of Natural Resources
Office of Mines & Minerals
Land Reclamation Division

ArcIMS SMCRA Spatial Data

Permit Boundaries
Bond Release Status
Affected Acres
Post-mining Land Use
Soil Capability
Ground Water Monitoring Wells
NPDES Points
Areas Approved for Underground Mining

Illinois Department of Natural Resources
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ArcIMS Collateral Spatial Data

Previously Mined Areas

Infrastructure

Political Boundaries

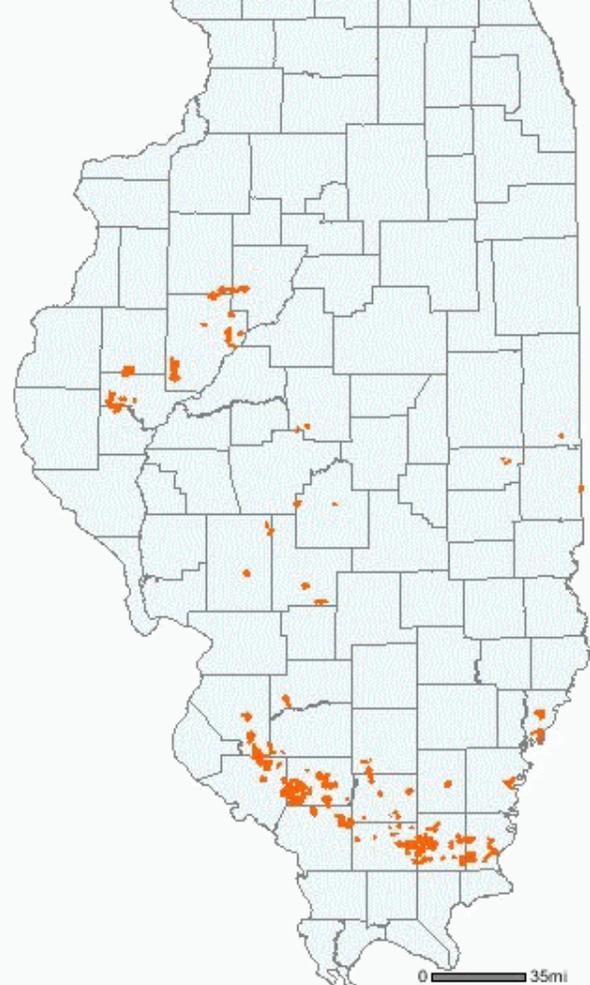
Natural Features

Imagery

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ArcIMS Illinois Coal Mine Permit Viewer

Permit GIS data are current as of: 3 JAN 08



Select Permit Number Help Metadata Links Zoom In

- LAYERS**
- Permit Boundaries
 - Permit Areas
 - Mined Areas
 - OMM Other
 - Hydro
 - Legislative Districts
 - Roads
 - Soils & Geology
 - Counties
 - PLSS/Admin
 - Images
 - State

Refresh Map

Auto Refresh

Help:

- A closed group, click to open.
- An open group, click to close.
- A map layer.
- A hidden group/layer, click to make visible.
- A visible group/layer, click to hide.
- A visible layer, but not at this scale.
- A partially visible group, click to make fully visible.
- An inactive layer, click to make active.
- The active layer.

ArcIMS Out of the Box Generic Viewer

Illinois Mine Permits with ArcIMS - Microsoft Internet Explorer

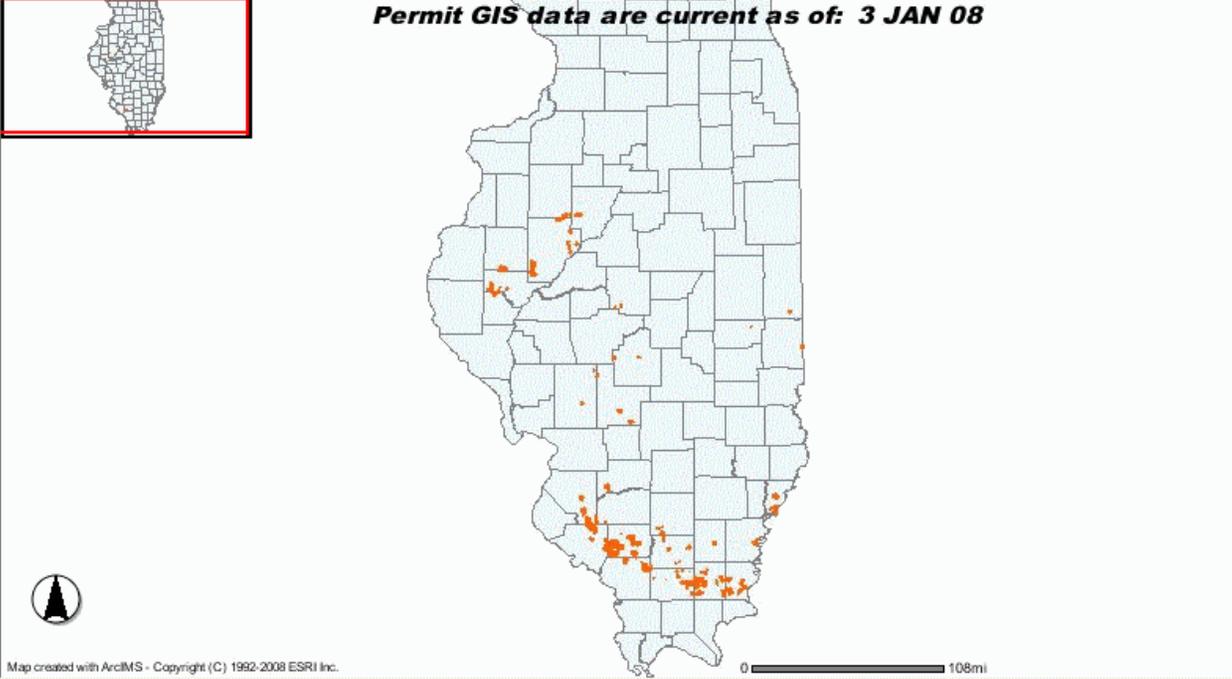
File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Refresh Print

Address <http://arcims/website/gvims/viewer.htm> Go Links

Illinois Mine Permits with ArcIMS

Permit GIS data are current as of: 3 JAN 08



Map created with ArcIMS - Copyright (C) 1992-2008 ESRI Inc.

0 108mi

Zoom In

Layers

Visible Active

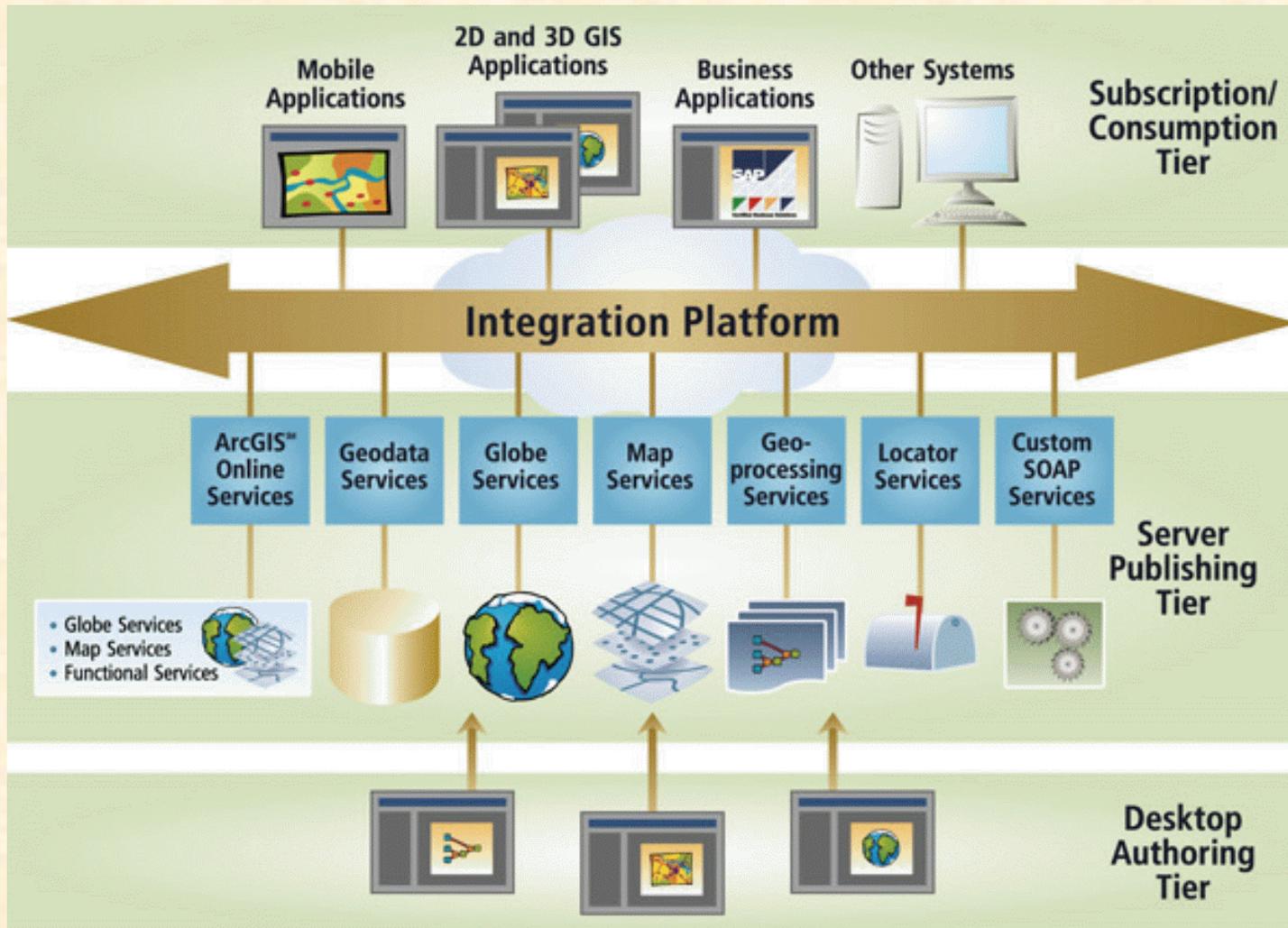
- Coal Mine Permit
- Boundaries for the Permanent Program
- Active Mines
- Former Interim Permit Boundaries
- SGS Surface Mined Areas
- SGS
- Underground Mined Areas
- Proposed and Shadow Areas
- Approved
- Aggregate Sites
- DNR Properties
- Federal Lands
- Illinois House
- Illinois Senate
- Congressional Districts
- Drift Thickness
- Bedrock
- Geology

Map: 1533696.74 , 2526765.34 -- Image: 76 , 199 -- ScaleFactor: 4639.661706287494

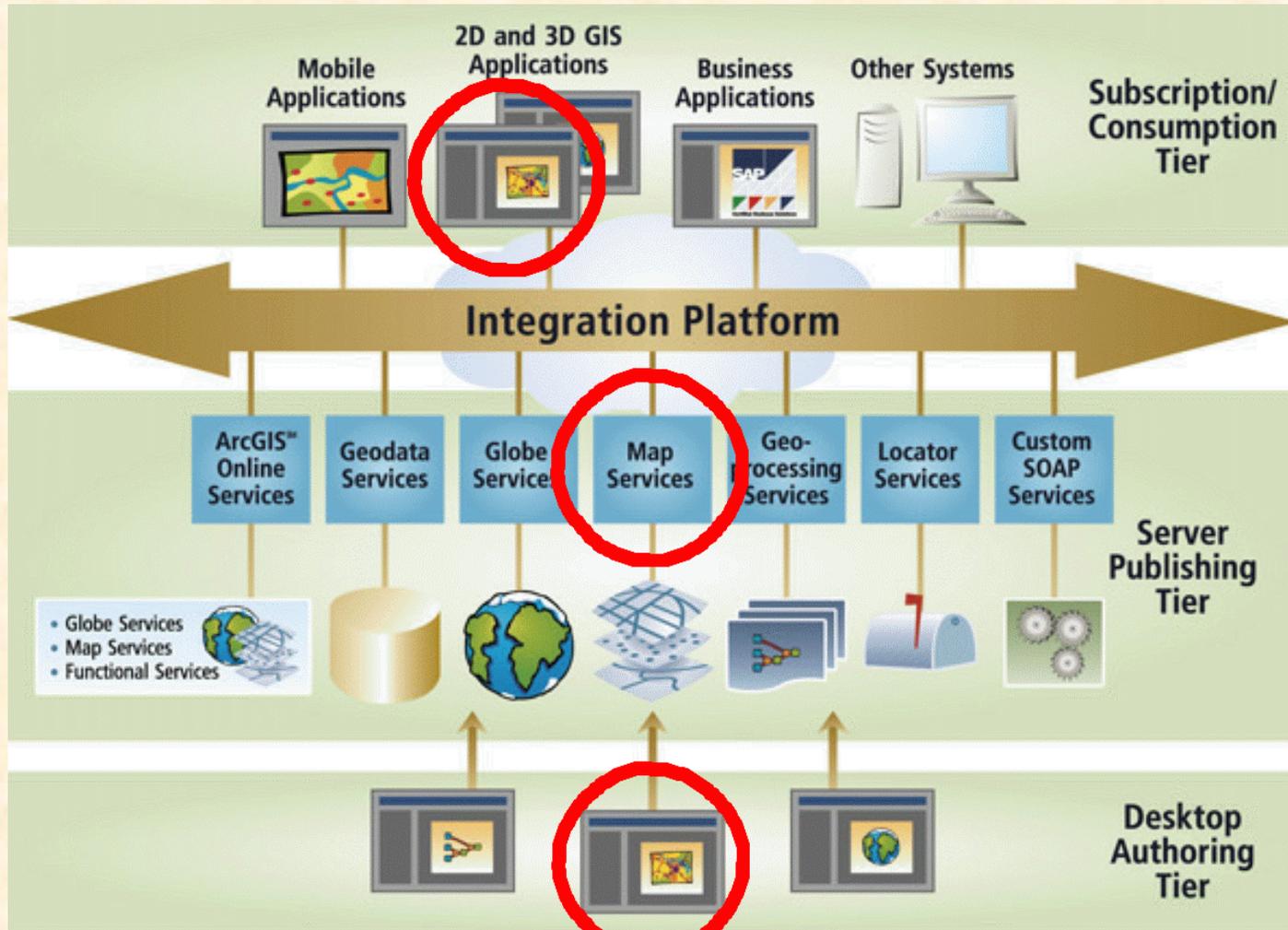
Local intranet

start ArcIMS Administrator Illinois Mine Permits w... 100% 9:49 AM

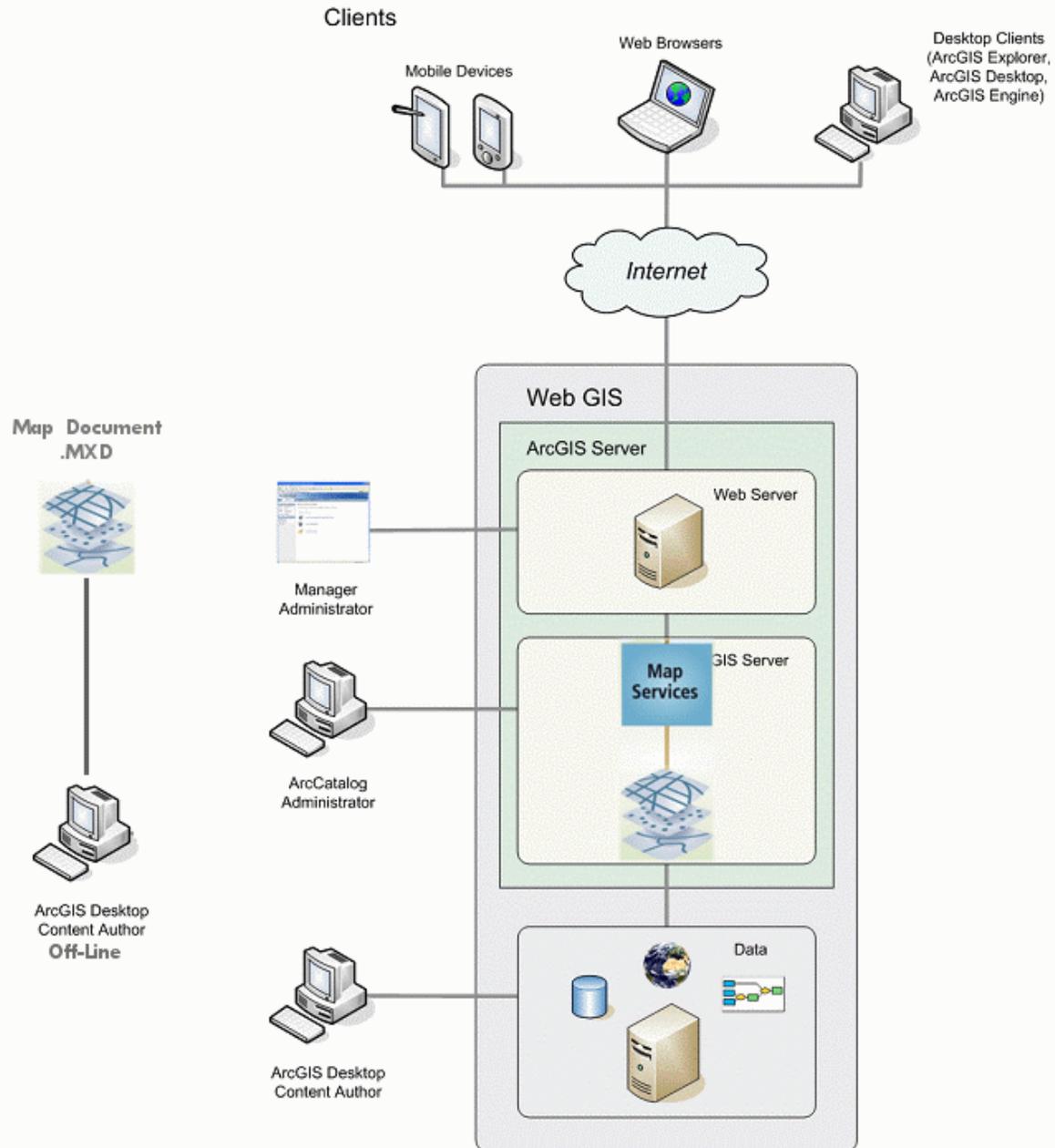
ArcGIS Server Functionality



Focus of Paper



The ArcGIS Server System Architecture



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Parting Thoughts

What is the IT Context?

Is it easier to develop applications?

When should we consider changes?