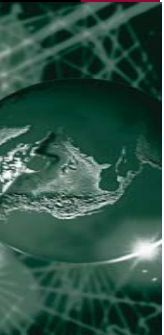


* Nice Clearinghouse / Portal
So where's the' data?

* Million dollar clearinghouse Serving \$10 worth
of information

* Prada purse with \$1 store lipstick

* "Free Data"... You Got What You Paid For



GeoStor 5.0

<http://www.geostor.arkansas.gov>

GeoStor 5.0

Arkansas' Official
GeoData Clearinghouse



Login

Username:

Password:

LOGIN

[Click here to create a new account!](#)

[Forget your log in?](#)

Find Data



Map Viewer



Applications



FTP - Rasters



How To

- [Disable pop-ups in your browser](#)
- [Connect to Map Services](#)
- [Save a Map or Email a Link to a Map](#)
- [Contact AGIO about loading your data into GeoStor](#)
- [Work with the XML metadata delivered with GeoStor downloads](#)

Information

- [About This Site](#)
- [Quick Start Guide](#)
- [Free GIS Data Viewers](#)
- [Contact Us](#)

[Home](#) | [Search](#) | [About This Site](#) | [Map Viewer](#)

[Contact the GeoStor Team](#) with any questions or comments.

Before continuing, please disable your pop-up blocker for this site. Also, be sure to read the [disclaimer](#) and [privacy](#) statement. Developed and administered by the [AGIO](#).

GeoStor Goals

- Provide seamless, statewide data warehouse with all public domain GIS data (Federal, State and Local)
- Develop a metadata search engine that would allow users to search for GIS data layers
- Develop a web based application that would allow users to **download** GIS data in a geographic boundary, GIS data format and projection of their choice
- All of the data would be provided for no-fee
- Leveraging State investment to it's fullest potential



Search for Data

GeoStor 5.0 Search for Data

Step 1 Help Step 2 Help Step 3 Help

Statewide Or **FIND A PLACE...**

Or locate your area here

LAUNCH MAP VIEWER TO DRAW BOX

GET BOX ALREADY DRAWN ON VIEWER

Search for:

Match:

- Exact text search
- Any word (Hint: Use % as a wildcard)
- All words

Data Category: Any

Publisher: Any

Type/Format: Downloadable data

Anytime (Recommended)

Metadata for time period (yyyymmdd)

From: To:

Metadata updated recently (yyyymmdd)

After:

Sort results by: Title

SEARCH

RESET SAVE SEARCH... MY SEARCHES

javascript:cmnCmd('about.jsp') Internet

Search Results

GeoStor - Search Results - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Refresh Print Mail Stop

Address <http://www.geostor.arkansas.gov/Portal/DiscoveryServlet> Go Links >>

Google G Go Bookmarks Check AutoLink Settings

Content Title: HEALTH REGIONS 2003 (polygon)
Publisher: AR Health and Human Services
Content Type: Downloadable Data

Vector Downloads Raster Downloads

Download Layers Remove Layer Download Layers Remove Layer

View Metadata & Download

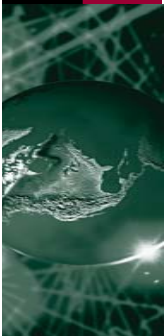
Content Title: HELIPORTS AND RELATED HOSPITAL INFORMATION (point)
Publisher: AR Health and Human Services
Content Type: Downloadable Data

View Metadata & Download

Content Title: HOSPITAL RELATED SERVICE 2006 (point)
Publisher: AR Health and Human Services
Coverage Area: Arkansas
Content Type: Downloadable Data

View Metadata & Download

Internet



View Metadata

http://www.geostor.arkansas.gov/Portal/DiscoveryServlet - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address http://www.geostor.arkansas.gov/Portal/DiscoveryServlet

Google G Go Bookmarks Check AutoLink AutoFill Send to Settings

fgdc
Federal Geographic Data Committee

Accept & Add To Cart

Decline & Close Window

HOSPITAL RELATED SERVICE 2006 (point)

SDE Feature Class - HEALT.HOSPITAL_RELATED_SERVICES_ADH

Description | Graphic | Spatial | Data Structure | Data Quality | Data Source | Data Distribution | Metadata

Description

Citation

Title: HOSPITAL RELATED SERVICE 2006 (point)
Originators: Arkansas Department of Health & Human Services
Publisher: AR Health and Human Services
Publication date: 20060717
Edition: 2006
Data type: vector digital data
Data location: <http://www.geostor.arkansas.gov/Portal/DiscoveryServlet?command=viewmetadata&outside=true&uuid={BF24BAC0-BC5F-414F-89ED-2FFAC84A1663}>, http://www.geostor.arkansas.gov/Portal/FME/fmeDownload.jsp?user=&outside=true&oLayer=HEALT.HOSPITAL_RELATED_SERVICES_ADH,Vector,Multipoint, <http://www.geostor.arkansas.gov>
Other citation details: Online linkage paths are input using the following sequence: METADATA SERVICE URL, DOWNLOAD SERVICE URL, APPLICATION URL

Description

Abstract: Data available online through GeoStor at <http://www.geostor.arkansas.gov>. This dataset contains points which represents the locations of all Hospital-Related Services in the State of Arkansas. The compilation of this data is a collaborative effort between the Arkansas Geographic Information Office and the Department of Health & Human Services (DHHS) to build a comprehensive geographic database of Hospital-Related

Internet

Define Parameters

http://www.geostor.arkansas.gov - FME Download - Microsoft Internet Explorer

GeoStor 5.0 *Arkansas' Official GeoData Clearinghouse*

Choose A Clip Boundary

Extent **County Boundary** **City Boundary** **Watershed Boundary** **More Options**

Lower-Left Long. Lower-Left Lat. Use Full Extent

Upper-Right Long. Upper-Right Lat.

Format: **Coordinate System:**

Layers:

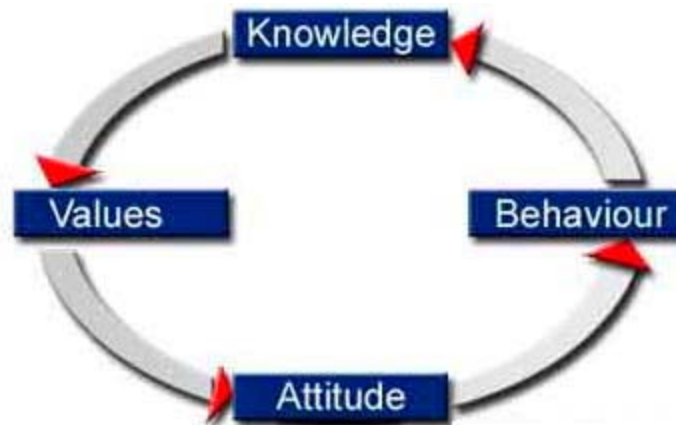
Save yourself time, become a registered user!
[Click Here](#) for details.

Email Notification Address:

Re-Enter Email Notification Address:

Internet

The CULTURAL CHANGE



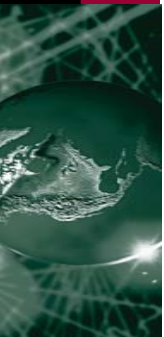
©Eric Lynn, LCT Consultants

Where possible...



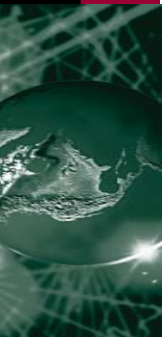
Changing the culture... Leading the way...

*“Those who lead and no one follows
are just going for a walk.” ---
unknown*



GeoStor Goals cont.

- Keep data refreshed on appropriate intervals
 - Make it cost effective for users
 - Reduce burden on contributors (i.e. Make it Easy)
- Store ONCE use many
- Leveraging the high quality data



Keep data fresh

- **Current GeoStor Data Custodians**
 - Names in ***BOLD ITALIC*** maintain on preset intervals

8 Cities

Alma
Arkadelphia
Bentonville
Fort Smith
Harrison
Hope
Van Buren
West Memphis
Carroll
Crawford
Poinsett
Pulaski

Federal Entities

Corp. of Engineers
BTS
Census
Education
EIA
EPA
FEMA
USFWS
NFS
USGS
NGS
NRCS

State Entities

Archaeological Survey
Department of Education
Department of Emergency Management
Department of Environmental Quality
Game & Fish Commission
Department of Health and Human Services
Highway & Transportation Department
Natural Resources Commission
Oil & Gas Commission
Secretary of State

Universities

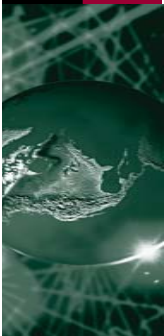
UA Center for Advanced Spatial Technologies
UALR GIS Applications Laboratory
UAM Spatial Analysis Laboratory

75 Counties

- ***65 County OEM's***
- ***30 County Assessor Offices***
- ***Northwest Regional Planning***

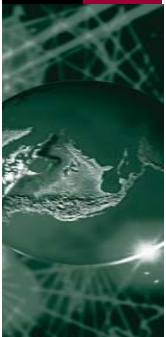
Private Sector

Techni Graphic Systems Inc

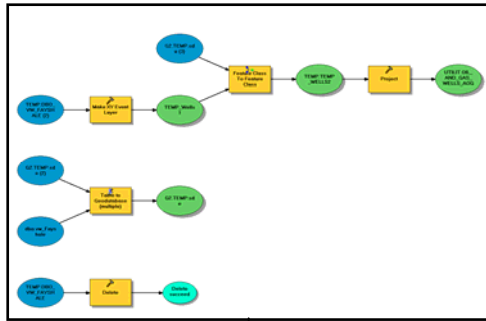


Keep data fresh

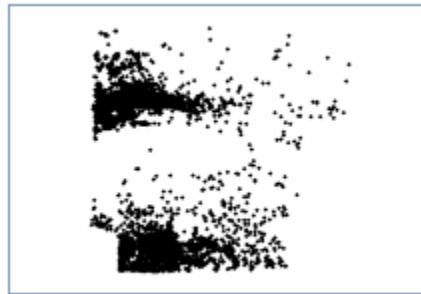
- Innovative Examples
 - Hospitals: database connection (as needed)
 - City limits: DOS scripts pull shapefile from FTP site and load into GeoStor (monthly)
 - Oil and Gas Wells: scripts pull data from SQL view and load into GeoStor (nightly)
 - Permitted Facilities: scripts pull data from SQL view and load into GeoStor (nightly)
 - GNIS: scripts pull data from a feature service and load into GeoStor (quarterly)



Store ONCE use many

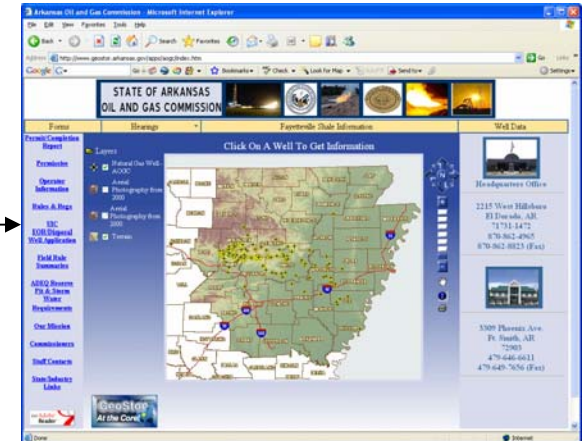


GeoStor Database



USERS

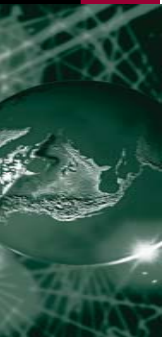
- Downloading
- Database Connections
- Feature Service Connections
- Image Service Connections
- Metadata Service Connections
- Application Connections
- UDDI Services



Hosting Services

Benefits

- **Hardware, software, and hosting cost are provided for no fee**
- **GeoStor system infrastructure is located under robust physical and cyber security**
- **Installation of software and internet security are provided for no fee**
- **Your data will be made available for download through GeoStor**



Hosting Services

Arkansas State Surveyor Office- Application



This site provides access to digital copies of the plats received by the Land Surveyor Office. Users can access plat information by searching on township-range-section, county or using other common means. Users also have the option to register for weekly or monthly updates by county. The site is populated with scanned plats submitted to the State Surveyors Office.

[Launch Application](#)

Arkansas Department of Finance and Administration- Application



The Arkansas Department of Finance and Administration, Office of Excise Tax Administration utilizes GeoStor in support of the national Streamlined Sales and Use Tax initiative. This national initiative allows for collection of sales tax based upon uniform sourcing of tax jurisdictions. The system assists tax payers in locating a sales tax rate for taxing jurisdictions in Arkansas. Vendors and sellers, as well as the general public use this system. It allows for search by address or zip code for the city, county and state sales and use tax rates throughout Arkansas.

[Launch Application](#)

Crawford County Arkansas Cadastre



This application service provides information pertaining to the Crawford County Assessor's Office. This application utilizes Crawford County parcels as well as geospatial data sets that reside in GeoStor. Metadata for each of the data sets in the application can be located within the GeoStor system. The application was designed to provide users with information related to Crawford County. "Providing public Internet access to this information better serves the taxpayers with no increase in cost," states Dianna Faucher, Crawford County Assessor. This service was built and is maintained by Crawford County personnel. GeoStor provides city, county and state entities with hosting services for no fee. [See Stats](#)

[View Metadata](#)

[Launch Application](#)

Arkansas Game & Fish Commission Map Viewer



This application was designed to provide some basic resource information. The data presented in this web map is incomplete. Until the application is complete, it is intended for demonstration purposes only. The boundaries depicted are "representations only" Users should refer to regulations and on site information as to their exact location. [See Stats](#)

[View Metadata](#)

[Launch Application](#)

Arkansas Oil And Gas Commission Fayetteville Shale



This application service provides information for the Fayetteville Shale area in the State of Arkansas. This application utilizes oil and gas well information which is maintained by the Arkansas Oil & Gas Commission and updated on GeoStor. The application was built to support gas exploration in the Fayetteville Shale area. [See Stats](#)

[View Metadata](#)

[Launch Application](#)

Internet Explorer Only



Arkansas Department of Education

This application service provides information for the Arkansas public school facilities. This application utilizes school and school district information maintained by the Arkansas Department of Education and updated on GeoStor. The application was designed to support the State Legislature and the public with information about public school facilities in the State of Arkansas. [See Stats](#)

Return On Investment

Download Reports

- By month
- By day

Is it worth putting our data in GeoStor?

[Top](#) | 2007

Monthly Reports

[January](#) [February](#) [March](#) [April](#) [May](#) [June](#) [July](#) [August](#) [September](#) [October](#) [November](#) [December](#)

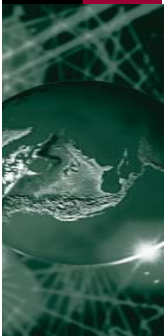
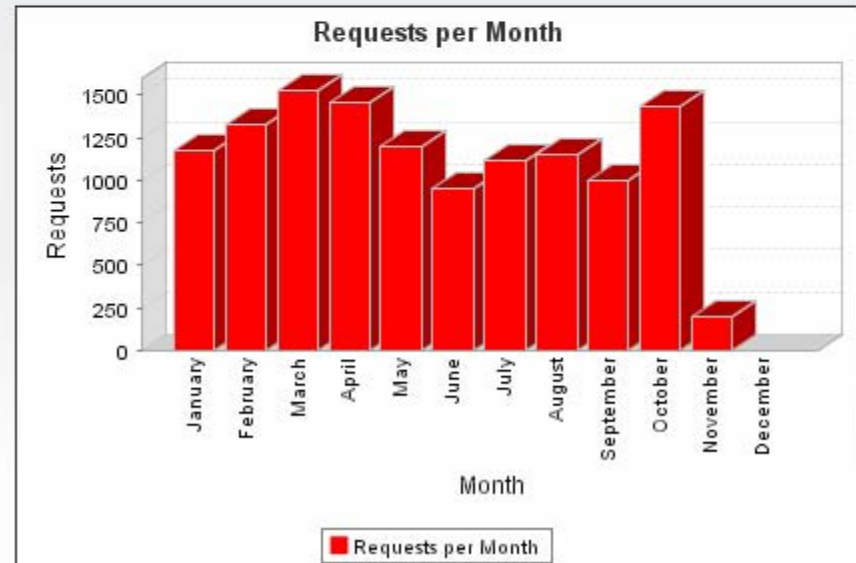
Yearly GeoStor Downloads

Statistics gathered from download request logs.

Total number of GeoStor download requests: 12523

Total number of GeoStor layers included in requests: 16299

Month	Requests
January	1175
February	1326
March	1524
April	1453
May	1199
June	951
July	1117
August	1147
September	999
October	1435
November	197
December	
Total:	12523



Return On Investment

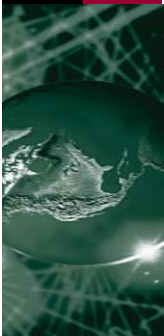
Coordinate System & Formats

Popular Coordinate Systems:

Requests	Coordinate System
6532	NAD83, UTM, Zone 15 North, Meters
975	NAD83, State Plane, AR North, Feet
300	NAD83, Latitude & Longitude
182	WGS84, Latitude & Longitude
172	NAD83, State Plane, AR South, Feet
2	LL-27

Popular Output Formats:

Requests	Output Format
4702	ESRI Shape
2176	GeoTiff
413	ESRI Ascii Grid
196	ESRI Personal Geodatabase
145	AutoCAD DWG (R2000)
137	ERDAS IMG
91	JPEG 2000
55	AutoCAD DWG (R14)
43	ESRI ArcInfo E00
40	MapInfo TAB
34	ESRI BIL
28	ESRI ArcInfo Coverage
19	ER Mapper Compressed Wavelet
13	AutoCAD DXF (R2000)
12	PCI PIX
11	ESRI ArcInfo Generate
8	Microstation Design V8
7	Microstation Design V7, Scalable Vector Graphics (SVG)
6	AutoCAD DXF (R14), ERDAS RAW
5	MapInfo MID/MIF, ESRI GML
2	GML 2 (Safe Schema), VML



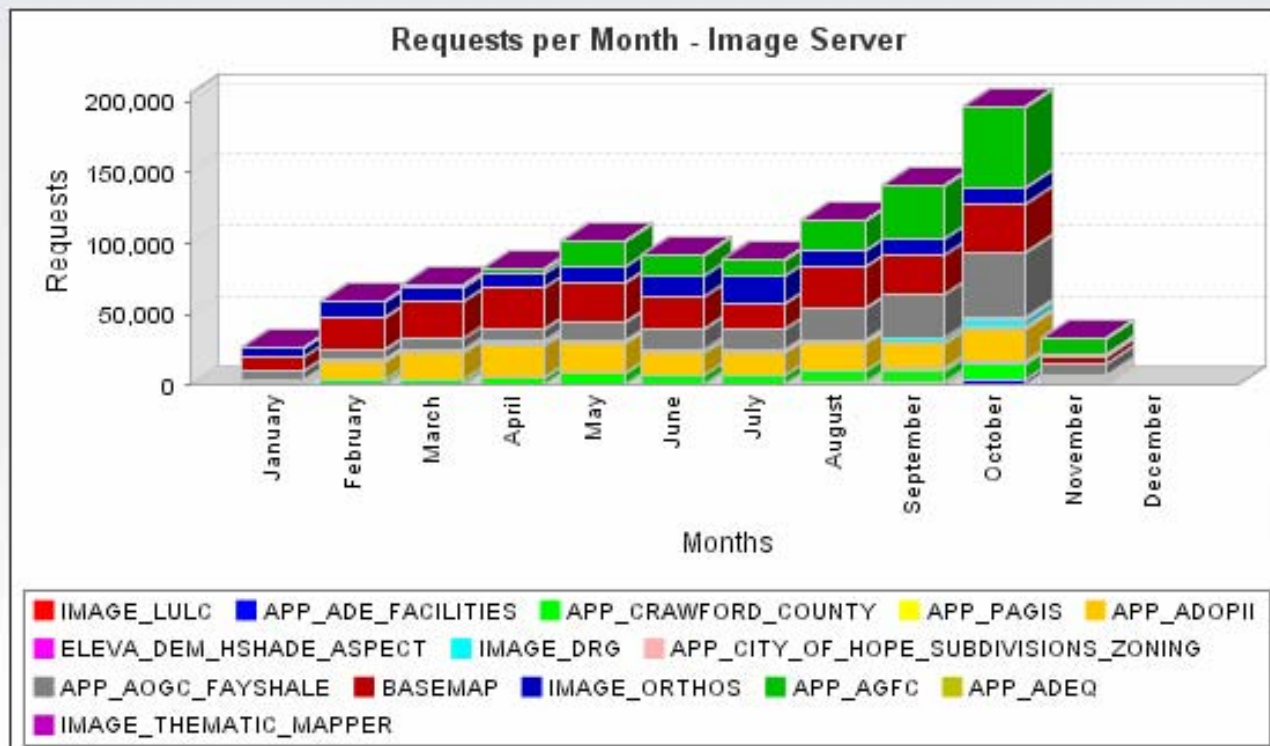
Return On Investment

Application stats

Is it worth maintaining this site?

Requests Per Month

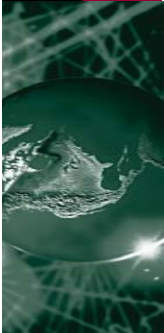
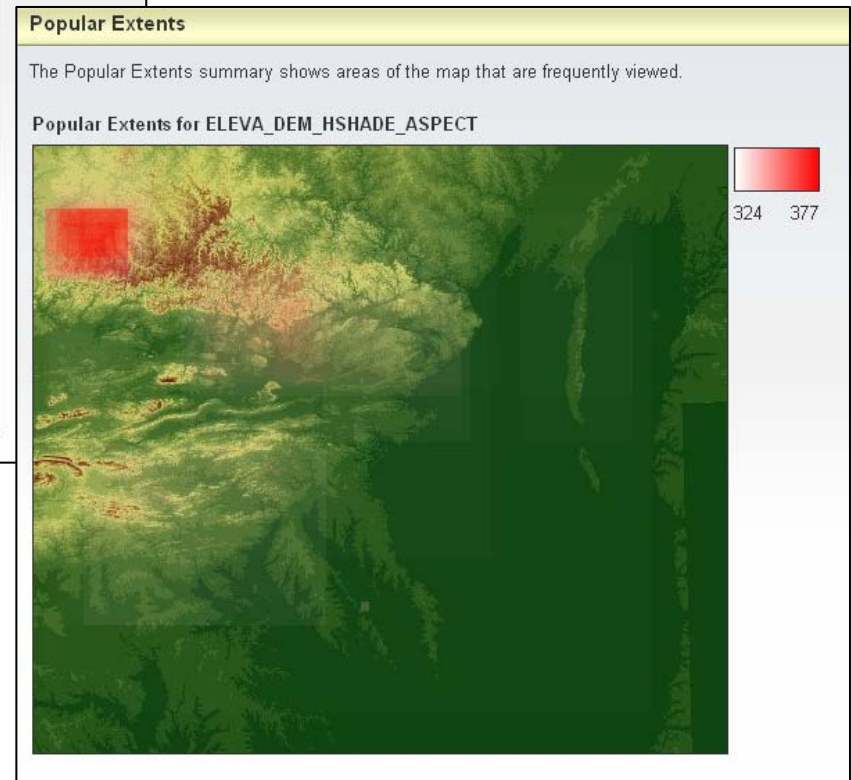
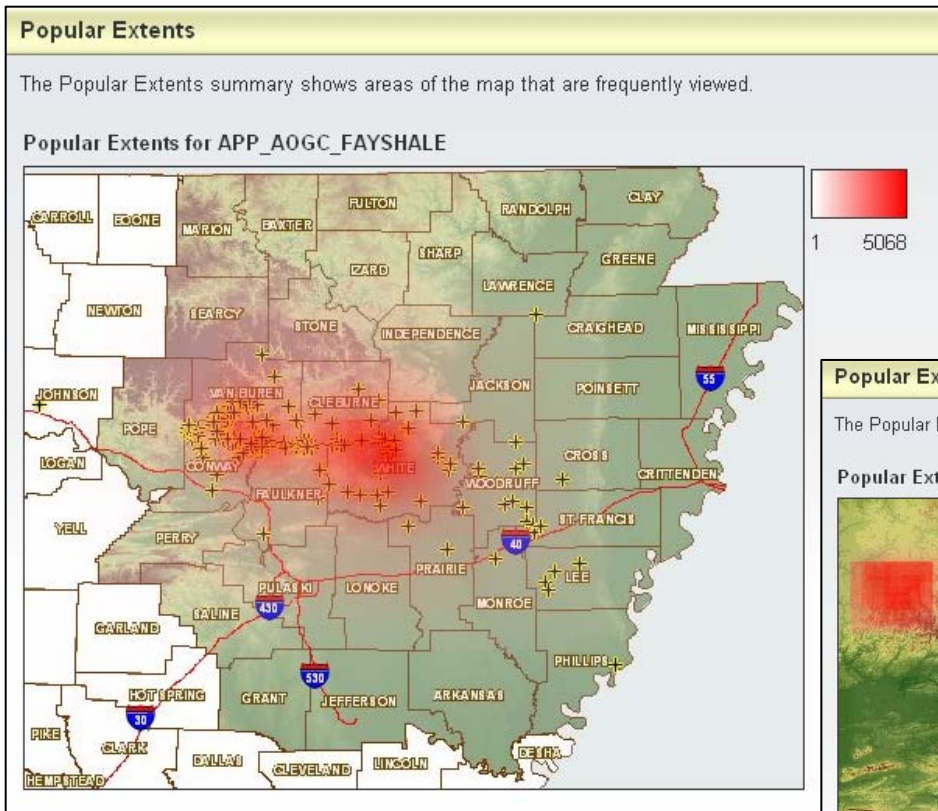
The Requests Per Month module shows the number of requests in the year, broken down for each month.



Return On Investment

Application stats

Where should we focus updating our data?



GeoStor 5.0 Hardware and Software

www.geostor.arkansas.gov

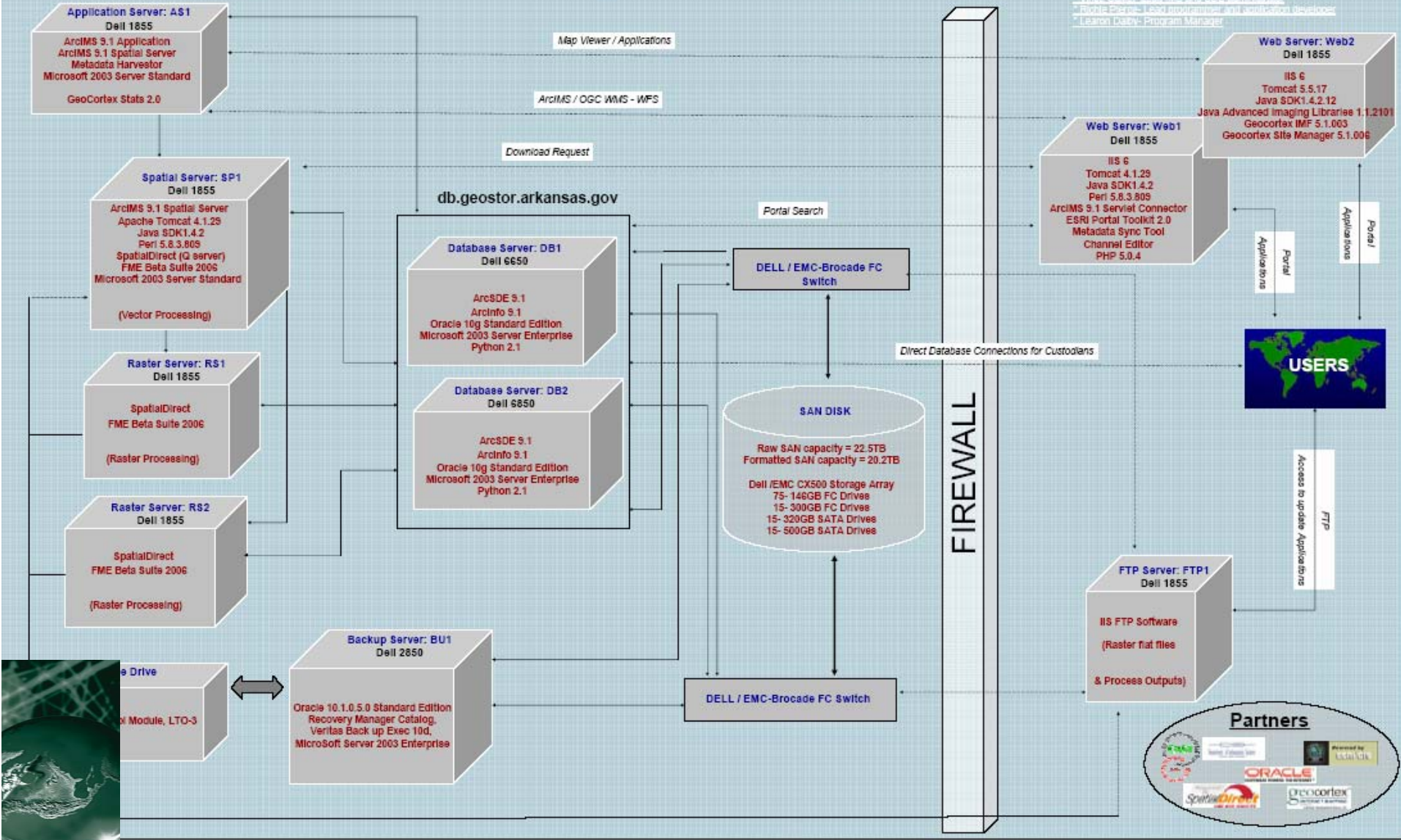
12-2-2005
revised 9-21-2006



Server Name
Server Type
Software on Server

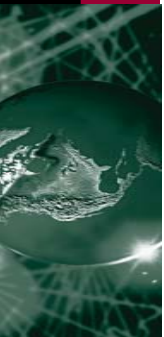
→ connection access behind firewall
→ connection access through firewall

GeoStor Development Team
 * Brian Forson- Lead hardware, OS, and connectivity architect
 * Myles Foster- Lead DBA
 * Vince Guitt- lead GIS and SDE administrator
 * Robie Piers- Lead programmer and application developer
 * Leanon Dabiv- Program Manager



Hardware / Software

- Dell
- ESRI- PTK, ArcInfo 9.1, ArcIMS 9.1, SDE 9.1
- Microsoft Server 2003
- Oracle 10g
- Safe Software- Spatial Direct
- Latitude Graphics- Internet Mapping Framework
- GeoCortex- Statistics



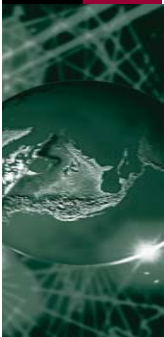
The Stats

All stats are for the period of Jan 9, 2006- Nov 5, 2007

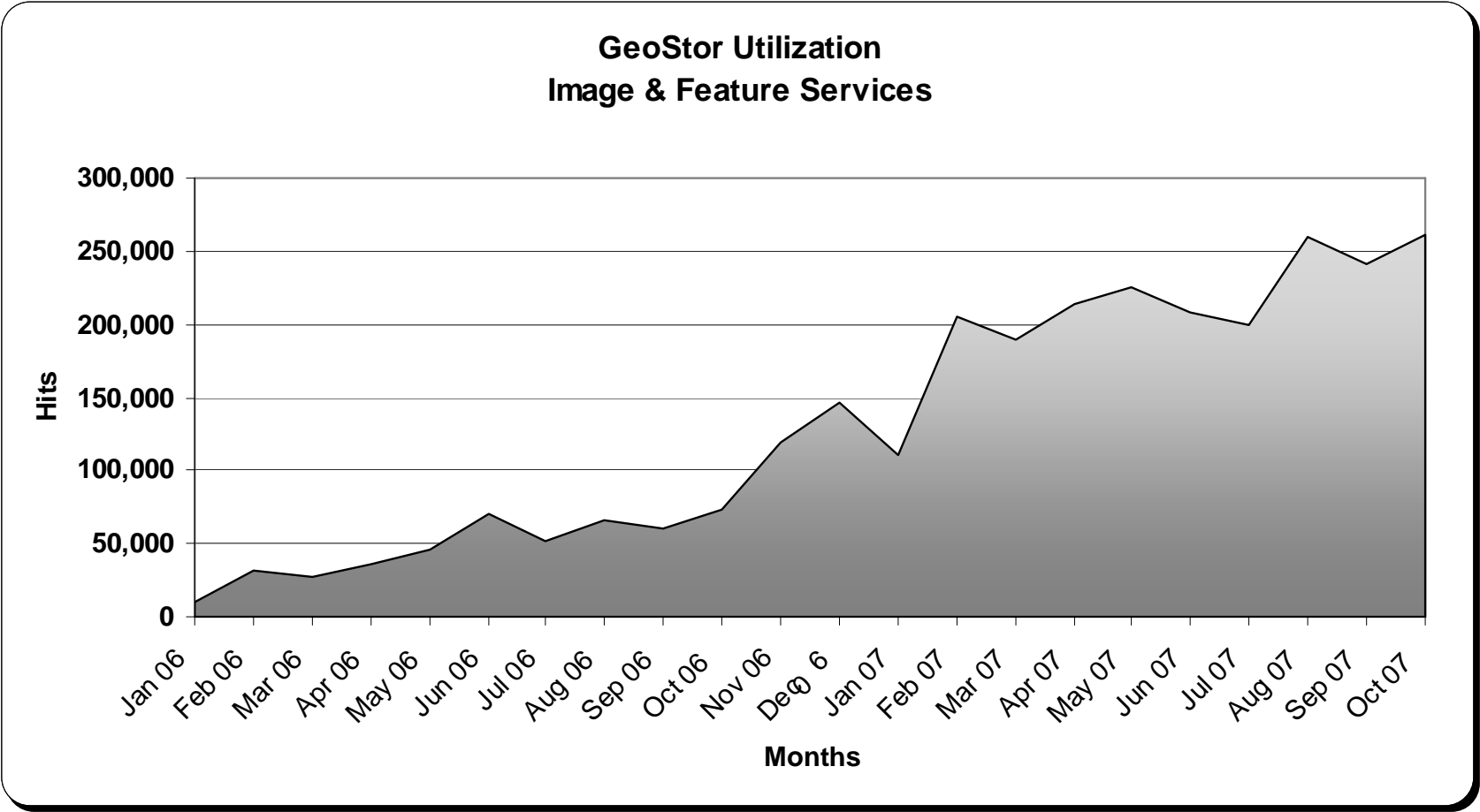
- Downloads = 33,846
 - Average Request Time = 7.5 minutes
- Number of Image Request = 1,378,283
 - Average Request Time = 452ms
- Number of Feature Requests = 709,082
 - Amount of data returned by Feature Request = 1.7TB

Nov 1, 2006 – Nov 1, 2007

- Number of Files downloaded from FTP = 1,844,622
 - Amount of data = 14.2TB



The Stats

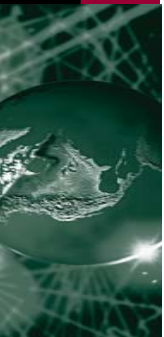


2,848,863 Request



Things to Think About

- Management of websites and ArcIMS services for outside agencies
- Using map services in place of downloads
- Using a map viewer that is easy to use, doesn't require a plug-in download but is robust enough to please GIS desktop users
- Backup/Recovery
- Finding the balance between COOL and useful



Contact Information

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www.geostor@arkansas.gov

