The Utah Automated Geographic Reference Center Presents:

Enterprise GIS in Utah

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State Of Utah AGRC

What may be covered today

- The Enterprise, More than just machines
- Coordination across the state
- Access to the Enterprise
- How about a central database
- Thin Client Apps
- Getting the word out

Just What Does AGRC DO??

- The Utah Automated Geographic Reference Center (AGRC)
- Facilitate and promote the use of GIS in Utah using Enterprise solutions where possible.
- House the State Geographic Information Database. (SGID)

The Staff

- AGRC has the following
  - 8 Fulltime staff
  - 2 Halftime staff
  - 9 Interns
  - Like everyone else we have too much work for the staff available.
  - It forces us to try to work smarter!

The Enterprise!!

- More than just machines
- It is governments, elected officials, workers, managers, key people with vision, county and city folks.
- It is standards
- It is cooperation and coordination

Playing well with others

- Coordination between Federal, State, and Local government is essential.
- Build local expertise so counties can use GIS for day to day operations
- Form User Groups that span governmental boundaries, involve folks with common interests.

AGRC Enterprise GIS Partnerships

Automated Geographic Reference Center

State

Tax Commission
Dept. Environmental Quality
State & Institutional Trust Land Adm.
Public Safety/Homeland Security
Natural Resources
Utah Geological Survey
Utah Olympic Public Security Command
Attorney Generals Office

Local Government

Counties
Cities
Utah Assn. Counties
League of Cities & Towns
Association of Governments

Coordinating Groups

GIS Advisory Committee
Utah Geographic Information Council
Technical Interchange Group
Canyon Country Partnership
Utah Metadata Discussion
Utah Mapping Group
Utah Aerial Photography Consortium
Intermountain Hydro User Group
Colorado Plateau Data Committee
Uinta Basin Users Group

Education

Higher Education
Utah Geographic Alliance
K-12

Federal

Bureau of Land Management
Forest Service
Park Service
Natural Resource Conservation Service
US Dept. of Transportation
US Geological Survey
Bureau of Census
Bureau of Indian Affairs

Tribal

Goshute Indian Tribe
Navajo Nation
Navajo Nation EPA
Northern Ute Indian Tribe
Northwestern Band of Shoshoni Nation
Paiute Indian Tribe of Utah
San Juan Southern Paiute Tribe
Skull Valley Band of Goshute Indians
White Mesa Ute Tribe

Please Note: These lists are not all inclusive.

Data Development, local is best!

- AGRC received pass thru money from the legislature to equip and train counties for GIS
- Counties have GPS'd roads for many uses; Census, Travel Plans, Submission for Resource Management Plans (RMP's), Federal Aid Eligible Road submission (B Roads), Emergency Services, Recreation.Government, rec.utah.gov etc.
- Counties are also in the process of producing digital parcel layers, Tax Entities etc.

What does AGRC offer?

- A Centralized Solution for the State agencies and Local Government.
- ArcSDE, ArcIMS, ArcGIS Server
- Centralized Database
- Experience?
- A political ally, and partner

Lets talk Databases

- The State Geographic Information Database (SGID)
- It's the Law!
- Accessible by ArcGIS clients
- FTP site for the general population
- 200 + geospatial layers
- Some Public, Some Private
- Multi User Versioned Editing

Tool Talk

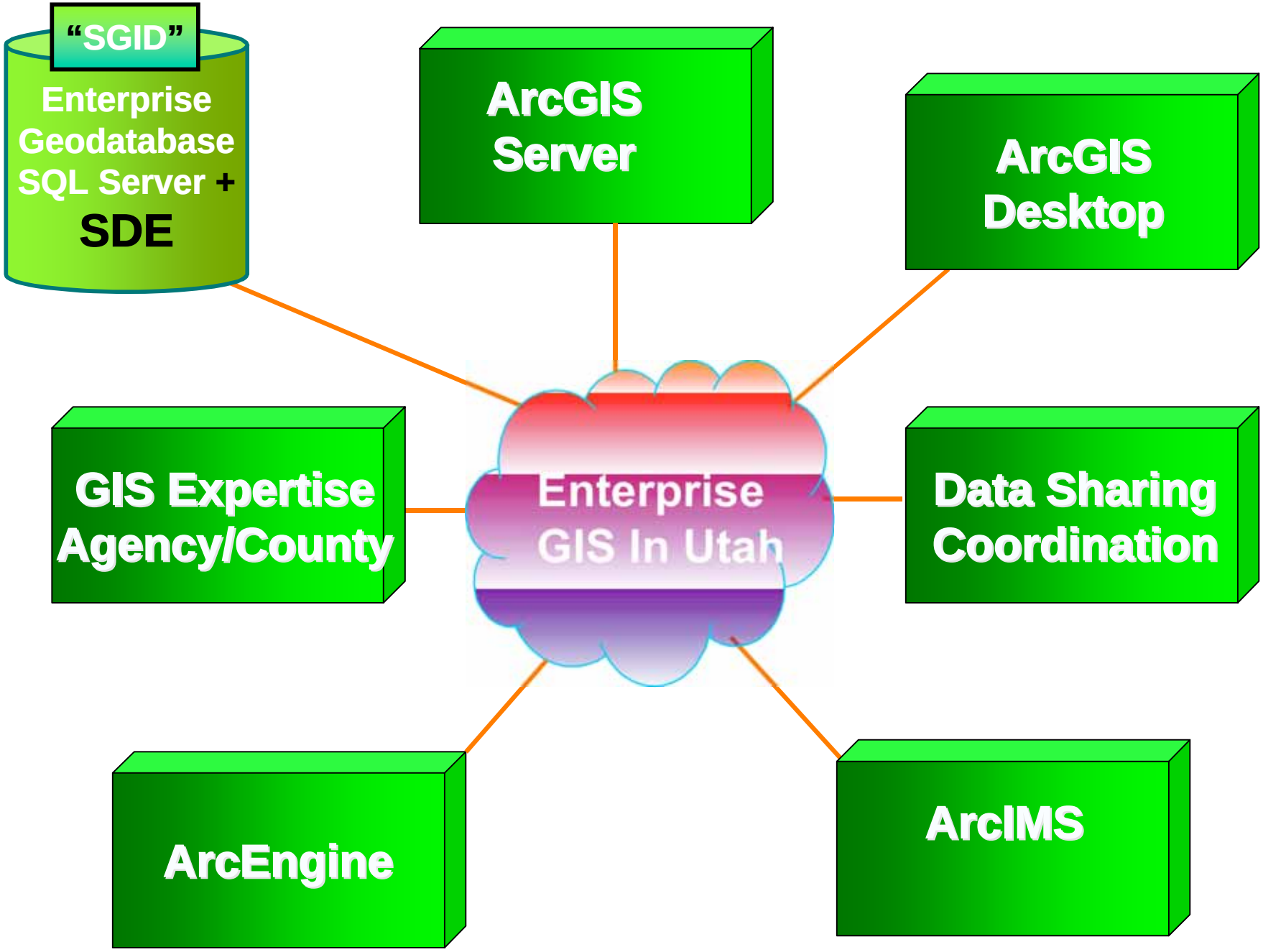
- ESRI Products are the State Standard for doing GIS.
- This has allowed AGRC to share data and knowledge with great ease
- ArcSDE coupled with SQL Server, moved from Oracle.
- ArcIMS for quick display and simple query of maps
- ArcGIS Server for many many uses

Websites to show the maps

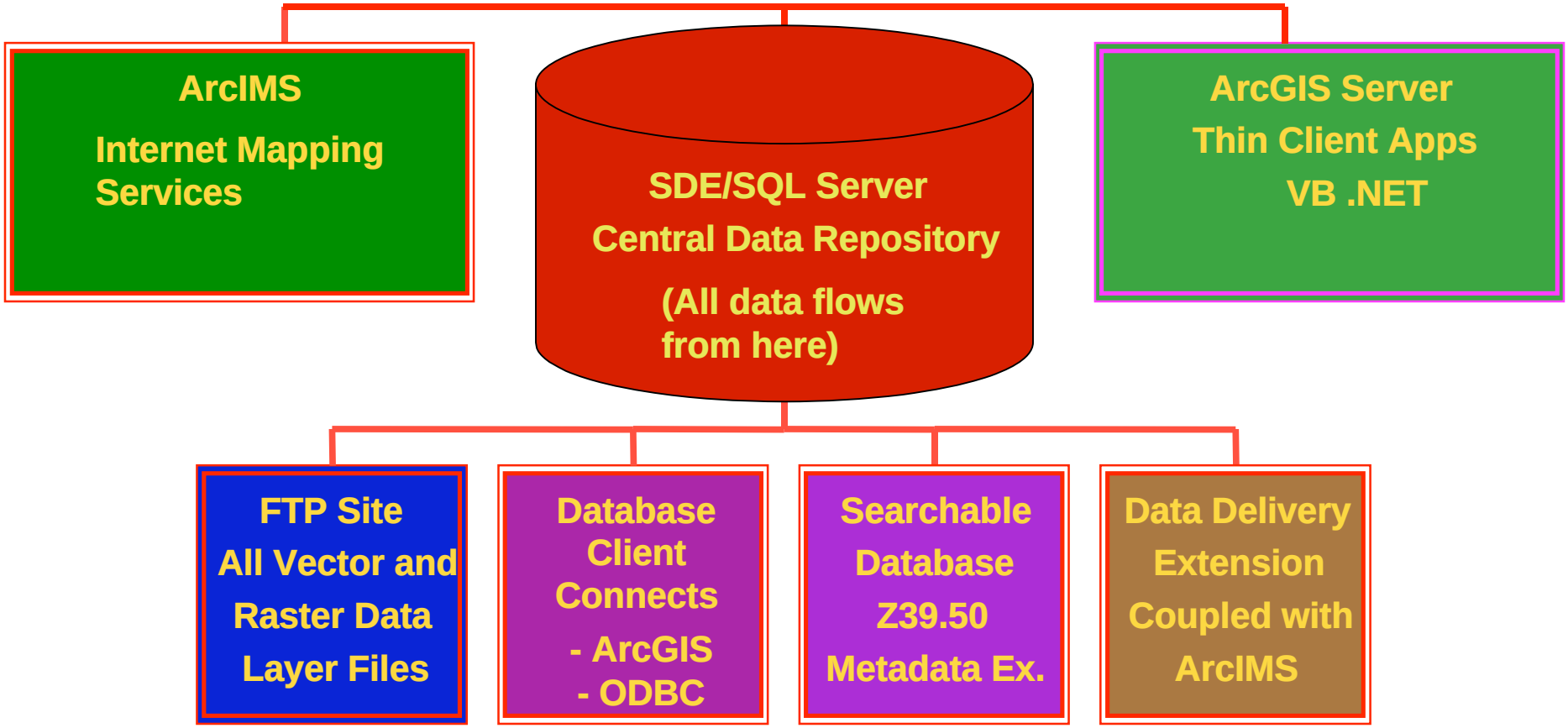
- http://maps.utah.gov maps by subject, title, extent, etc.
- Static and dynamic maps are served there, it is open to all. We will put all maps out there that an agency or government entity may deem useful.
- http://atlas.utah.gov mainly for dynamic maps (ArcIMS)
- http://geoserv.utah.gov The MacDaddy of them all! AGRC's foray into the great unknown
- ArcGIS Server is just now being utilized for clients

ArcGIS Server- What can ESRI do For You?

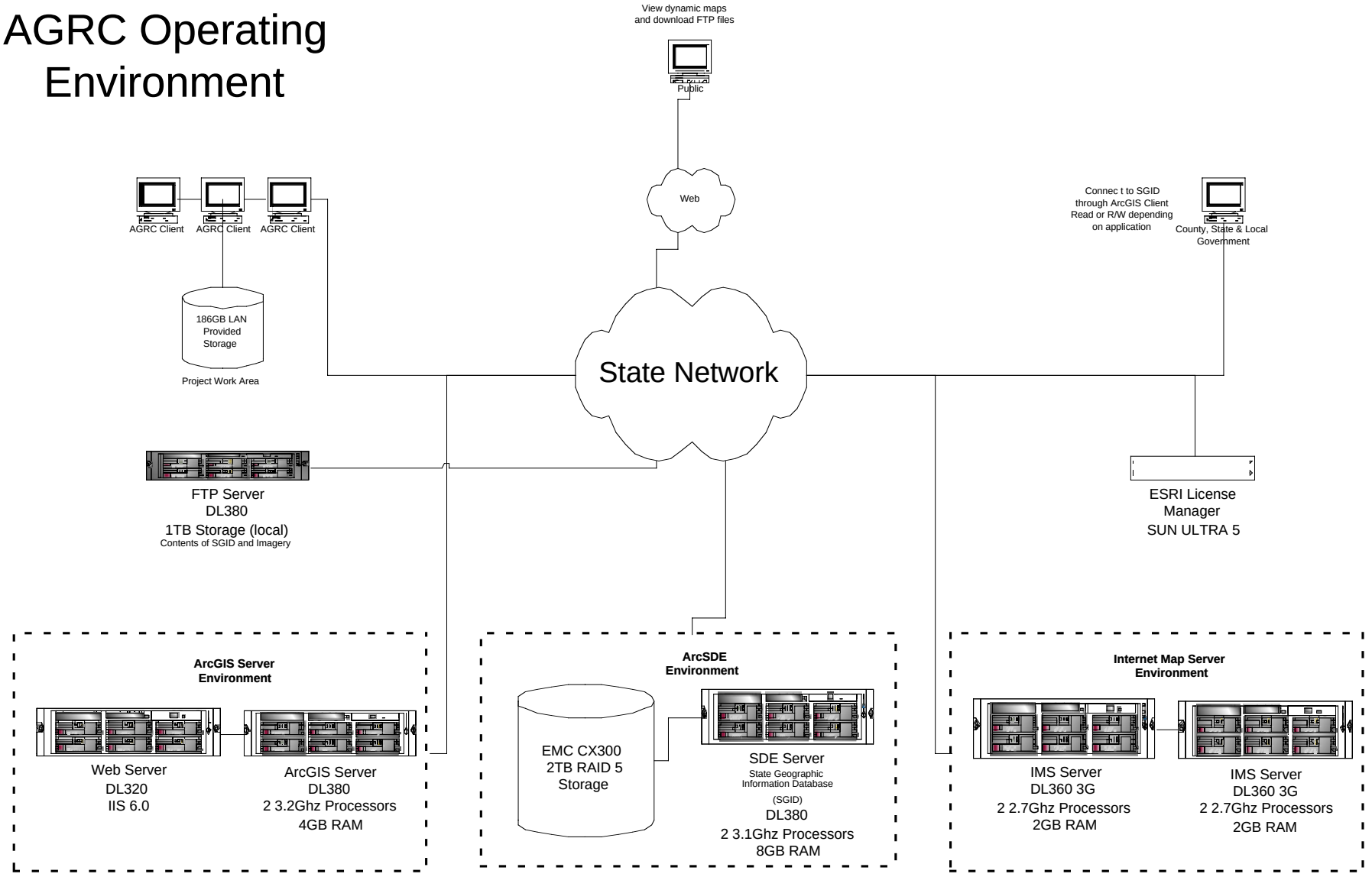
- A good way to get GIS functionality out to the unwashed masses
- Can be accessed just through a browser, or an ArcGIS client
- It will be used for, data uploading, digitizing, queries, buffers and analysis.
- AGRC hopes to see a reduction in software and maintenance costs. And a wider use of GIS.


"SGID"
Enterprise Geodatabase SQL Server + SDE
ArcGIS Server
ArcGIS Desktop
GIS Expertise Agency/County
Enterprise GIS In Utah
Data Sharing Coordination
ArcEngine
ArcIMS

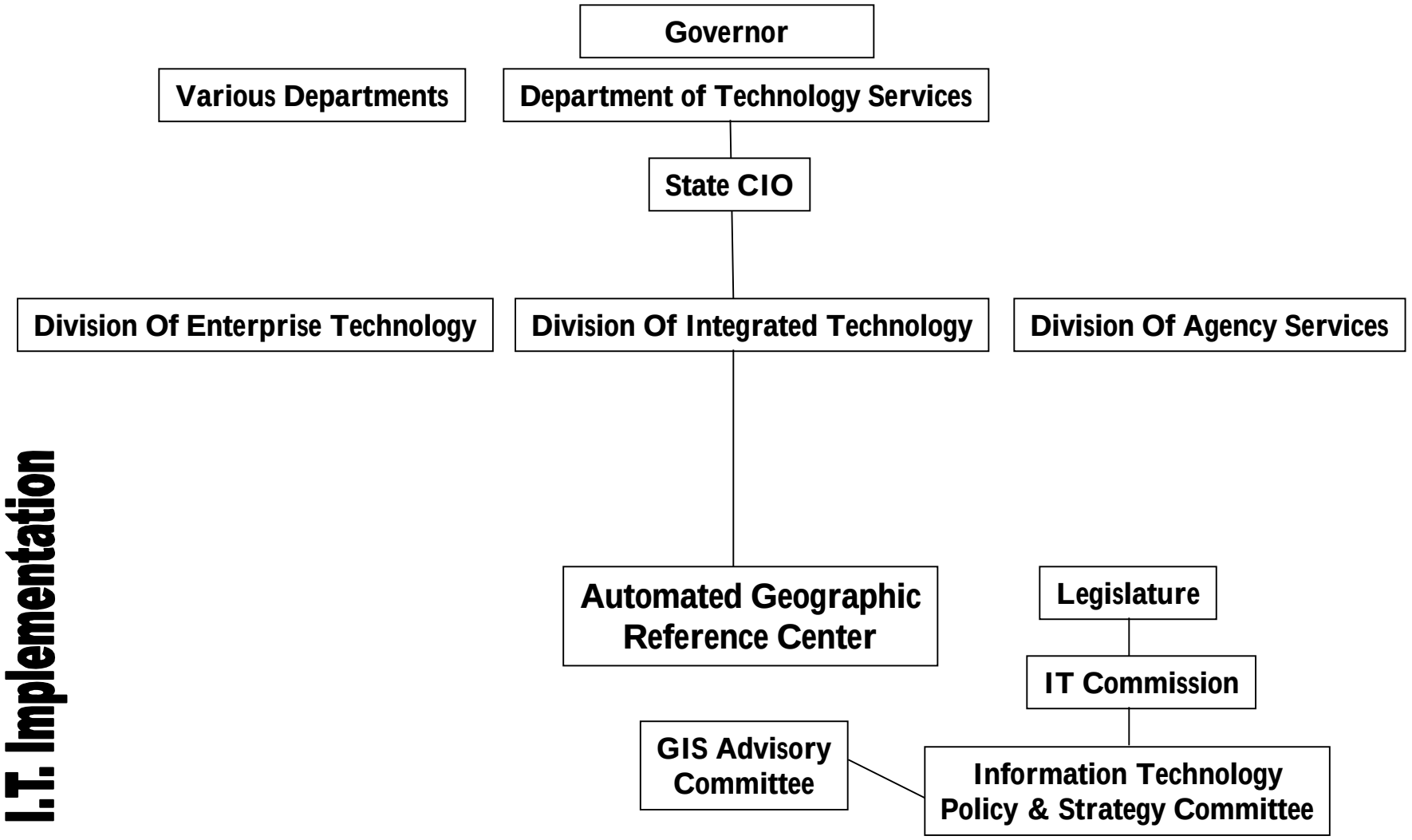
The SGID Blueprint



AGRC Operating Environment



GIS Responsibility Diagram



Legislative Issues

- House Bill 109
  - Consolidation of Information Technology (IT)
  - The Enterprise becomes a vital part
  - Data acquisition now part of the IT plan
  - This allows for greater coordination in data purchases
  - AGRC has the backbone of an Enterprise built
  - An Enterprise License Agreement may be something to pursue. Could be added work.

Goals

- More automated harvesting of data from other agency servers.
- Increased multi-user versioned editing.
- To house many ArcIMS and ArcGIS Server applications.
- Interact more with the counties of Utah to continue to provide GIS assistance and expertise to help them face the decisions with good data and the knowledge and tools to perform their jobs