

Introduction to uDig

An Open Source Platform for GIS

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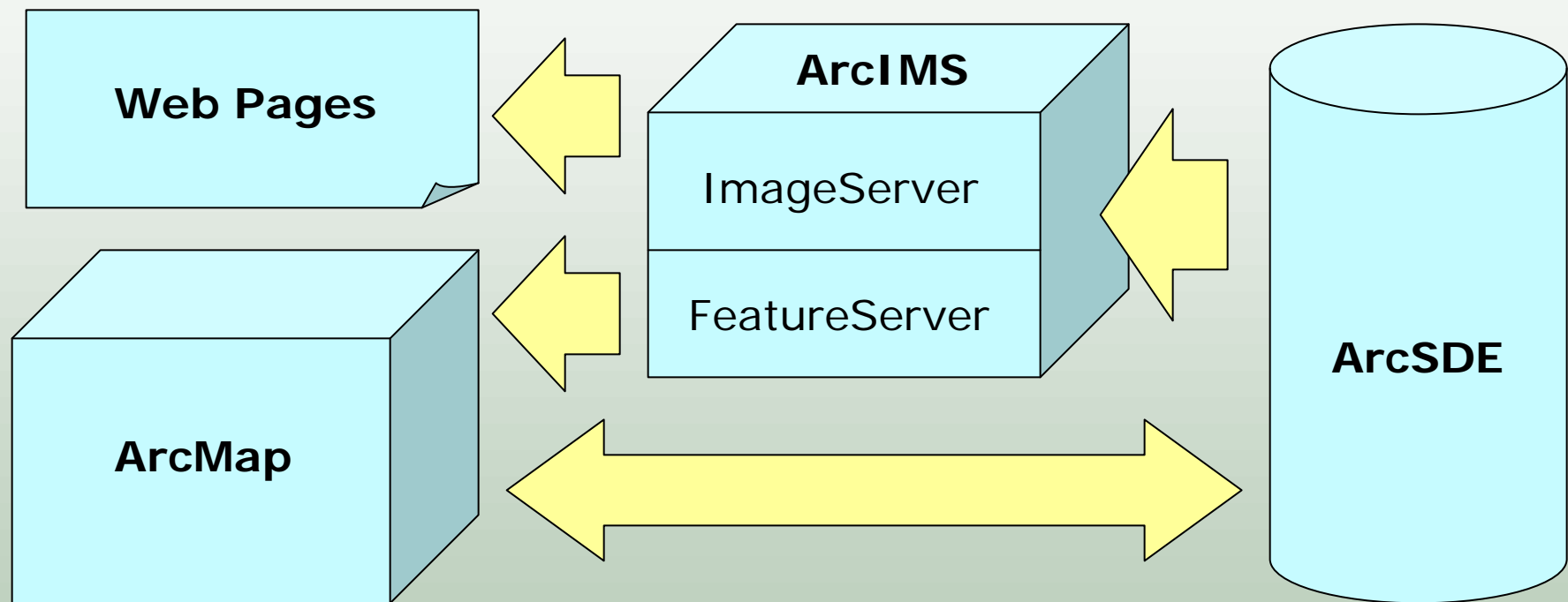
- GIS Consulting
- Open Source Software
- PostGIS Spatial Database
- Validating Web Feature Server - 03/04 Project
- And



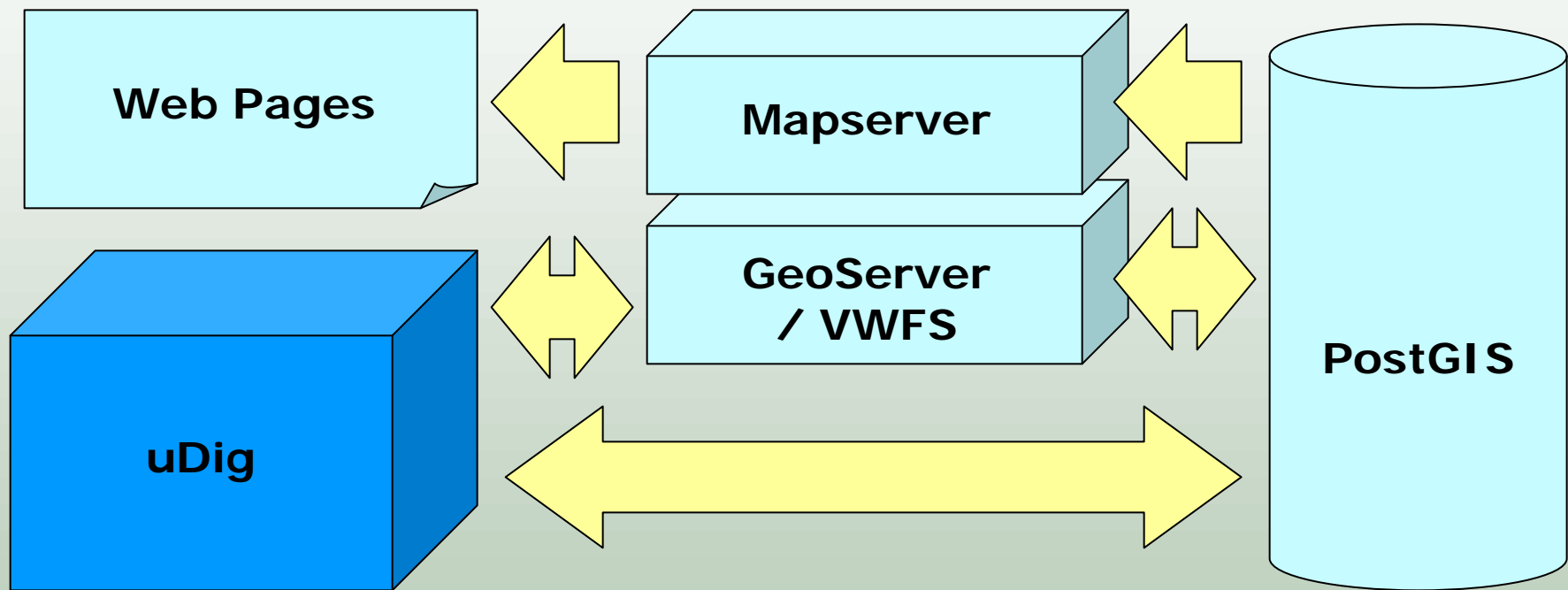
Geospatial Architecture

- Spatial Database
 - Concurrency
 - Transactions
 - Seamlessness
- Internet Publishing
 - Feature Access
 - Map Access
- Data Manipulation
 - Direct Access
 - Editing
 - Cartography

ESRI Architecture



Open Source Architecture





Missing Link for OpenGIS

- “Integrated Client”
- Ability to directly view WMS
- Ability to directly edit WFS
- Ability to search catalogues
- Ability to integrate standard GIS data
- Hide complexity of network access

Missing Link for Open Source

- “Standard GIS Functionality”
- Ability to directly edit GIS data
- Ability to connect to PostGIS, Mapserver, GeoServer
- Ability to create paper cartography
- Ability to integrate with proprietary infrastructures



Gimmee a “u” !

- “User Friendly”
 - Sensible Defaults
 - Use Preferences for Complexity
 - Automatic Integration
 - Coordinate Reference Systems
 - Formats, Services
 - Drag and Drop Everywhere
 - Hide Differences between data sources



Gimmee a "D" !

- "Desktop"
 - Not a Web Application
 - Desktop Look and Feel
 - Windows, Linux
 - Desktop Integration
 - Cut and Paste, External Drag and Drop
 - Desktop Installation
 - One Click Installers



Gimmee an “i” !

- “Internet”
 - Consume Remote Data and Services
 - View OGC Web Map Server
 - View/Edit OGC Web Feature Server
 - View ESRI ArcIMS Server * Coming Soon
 - Multi-catalogue Search
 - Treat Local and Internet Layers Equally



Gimmee a "g" !

- "GIS"
 - Platform Extensibility
 - Platform "De-stensibility"
 - Hooks for Analytical Plugins
 - Data Editing
 - Standard GIS Data Sources
 - Paper Cartography



Whaddaya Got ?!?

uDig

DEMO...

GeoConnections Demonstration
March 29,30th, 2005 Ottawa

Why Open Source?

- “You Give this Stuff Away?”
 - Indirect Business Model
 - Refractions gains Expertise & Wide User Base
 - Revenue is generated through:
 - Support & Training
 - Customization
 - Consultations
 - Increased Business Contacts and Relationships



How does this Happen?

- Canadian GeoConnections Program
 - Seed Funding for R&D
 - OpenGIS Standards
 - Open Source = Open Accessibility
- Build on the Work of Others
 - Eclipse RCP (IBM)
 - Java Environment (Sun)
 - GeoTools

What is Next?

- Customers and Community Decide! But...
- More Services
 - OGC OWS-3 GeoDSS Client?
- ?

Thank You

Questions?

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User-friendly Desktop Internet GIS



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User-friendly Desktop Internet GIS



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