



SpatialMedia

Intramap For ArcIMS

Wanted:

A **single** solution that delivers exactly what users want and a superior user interface -but supports ArcIMS, ArcMap Server, Arcview 3.x ArcGIS desktop and can be accessed from the web or Intranet, WAP phones standalone Tablets or PCs and wireless or standalone PDA's. Can merge seamlessly with web pages or deliver instant ArcIMS functionality to ASP.NET developers.

To good to be true?

You should be talking to SpatialMedia.

Intramap IV is the successor to the proven (MO-IMS powered) Intramap II which offered features still not found on the most complex ArcIMS systems.

Intramap is a data-hound. It will connect to almost anything to provide your users with a geographic portal to your business systems.

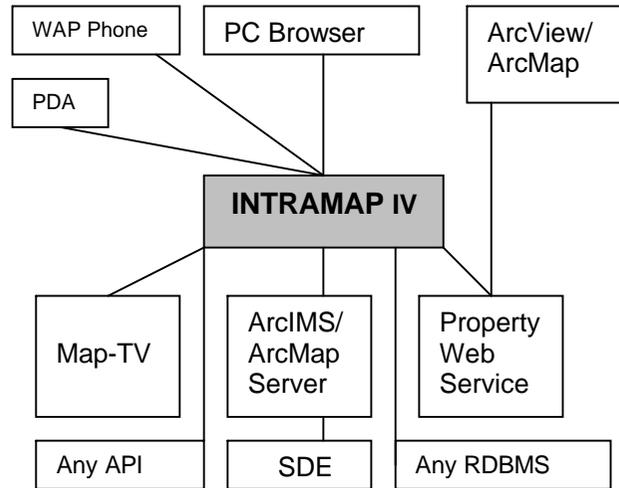
Intramap is designed to be used with ArcIMS or ArcMap Server on your Intranet or in a simplified form on your public Internet site.

Intramap can be hosted on the Internet by SpatialMedia

Intramap services can be accessed from desktop clients including Arcview3.x and ArcMap and Intramap can run standalone on Tablet PC's in the field without ArcIMS.

Intramap can be accessed from Pocket PC's and WAP phones.

Architecture



The diagram above illustrates key features of the Intramap architecture.

Map services can be delivered by ArcIMS/ArcMap **or** by our own lightweight and fast map-TV server.

Property intelligence is implemented by a separate web service.

Intramap IV marshals multiple map and web services, RDBMS connections and available application programming interfaces. Intramap pulls multiple datasources together and provides a spatial portal to multiple systems.

Standalone Intramap IV. Take Look no wireless!

The unique, web service based, loosely coupled architecture of Intramap provides a further capability unique to SpatialMedia solutions.

Because we support both ArcIMS and our own map-TV server, Intramap can be installed on a tablet PC and taken into the field. ArcIMS on the network, map-TV in the field.

Wireless services remain slow, expensive and your business may go places that wireless coverage doesn't. With Intramap this is no longer a problem.

Intramap Property Service

Intramap is well known and loved for its advanced handling of property data. Identification of any part of a property, on the map or a text query causes Intramap to walk a well defined property tree to assemble all property components.

These components are hierarchical in nature and lend themselves to display using a tree metaphor.

Property with 4 Assessments, 2 owners, 4 addresses & 1 parcel.

- 1970063700
 - Addresses (4)
 - 1 46 Golf Rd
 - People (2)
 - Walton Gary
 - William
 - Parcels (1)
 - 1170000000079
 - Legals
 - Lot 117 DP288

Click on these to zoom to or highlight individual components on the map

Hovering over these pops up tooltips listing all owners addresses etc for quick reference

Open/closed status is remembered for future searches so users see just the data they are interested in.

Clickable link to open another web based system.

Reports

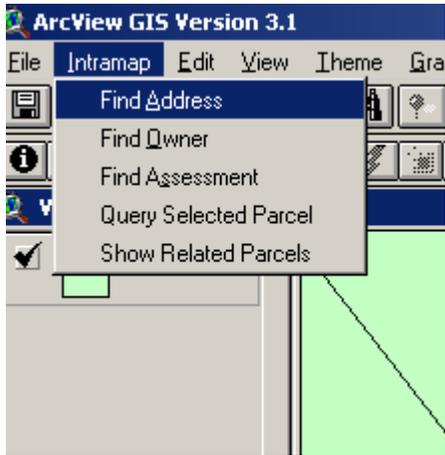
Custom reports of query results can be easily added by either of two methods. First XSLT transformations can be applied to the results of web service queries.

Second, the property service client built into Intramap IV exposes a business API that supports scripting to achieve exactly the report your user requires. These can be displayed onscreen, made available for download -or be used for mail merges etc.

Arcview and ArcMap Support

Intramap IV's modular, web service based architecture means and end to a problem that is so pervasive, many sites don't even see it. Why shouldn't an Arcview or ArcMap user have access to the same advanced functions implemented for the web system? Why should your need to replicate the functionality of your ArcIMS code with ArcMap VBA or Avenue?

Typically sites have the same business logic implemented in several places, or live with patchy functionality across different platforms.



These options in the Arcview menu are not implemented by Avenue. They call the XML web service used by browser based Intramap IV.

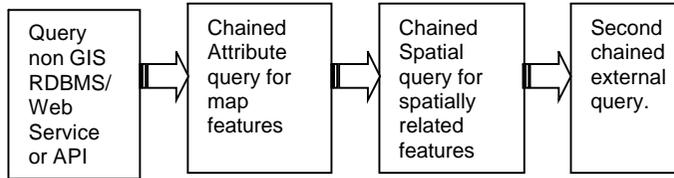
Query Chaining

Intramap is built to harvest information live from other systems to provide a geographic portal to textual data and services.

This does not require custom programming. For example Intramap IV can be taught to query an RDBMS simply by supplying XML configuration.

These queries can be *chained* to enable map display of features discovered in non GIS databases (for example an asset inventory) displayed on a map. Further spatial

queries might be chained to discover nearby features, for example and these displayed by Intramap.



Server Controls and ASP.NET Based Development

Intramap IV is built on out EMAML (extensible mapping application markup language) platform which enables the look feel and function of Intramap to be customized simply by inserting tags into XHTML pages.

Further XML configuration to bind multiple map and data services provides fundamental flexibility to implement customer specific requirements with no programming.

If you prefer to build your own Intramap however, SpatialMedia can supply a comprehensive ASP.NET server control for ArcIMS. This enables GIS developers with no web experience to immediately be effective. There is no need to the developer to write any web specific code (such as HTML or JavaScript).

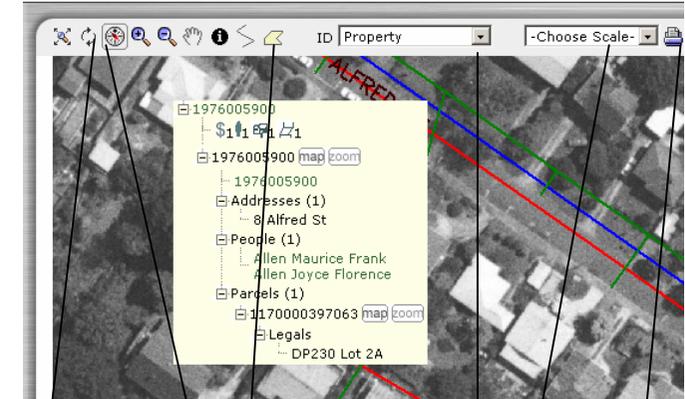
Developers can focus on their own application and leverage the same powerful server control architecture and client side code used by turnkey Intramap IV implementations.

Lightweight clients, Handhelds and WAP Phones

A further advantage of the server control architecture used by Intramap IV is its inherent ability to support multiple clients from the same codebase. While some client functions aren't available on these clients, core Intramap functions can be supported on wireless pocket PCs and WAP phones.

Productivity

Intramap IV is packed with features that would normally require a desktop application. For example, a floating maptip is displayed below. The user has hovered the mouse over a feature, a query sent to the property web service, and the results displayed on the maptip.



Fully Customisable toolbar

True vector local shape capture and measure

Safe Select scale

A single mode that allows zoom pan or ID without requiring user to click a button

Print to scale via PDF (ArcMap Server)

Users can select the maptip of ID layer, but by default Intramap searches all layers until a feature is found. This dramatically simplifies exploring the map.

Unlimited grouping of themes displayed as a tree is supported, in addition to instant selection of predefined maps across multiple map services.

Sales:

Chris Shaw Spatial Media NZ Ltd
cshaw@spatialmedia.com

Technical and distributor enquiries:

Peter Fraser, Spatial Media Ltd
pfraser@spatialmedia.com

