

PRODUCT SHEET



Operational Agility

Readily use spatial data in business decisions. Conceive and implement new business processes rapidly.

Managed Dissemination

Map based information and managed processes can be easily and reliably shared between project teams, business stakeholders, contractors or alliance partners in real time.

Embrace diversity

Supports a broad range of commonly used layer file formats created by the main GIS desktop technologies (e.g. Esri and MapInfo). Via the concept of Gateways these enable data from most modern GIS to be integrated natively into projects.

Enable choice in GIS

Because GeoSamba is an integration tool you are free to choose the GIS which suites each application best.

Database Integration

Integrate tables from any modern databases securely, even over the internet.

Leverage Web Services

Enables layers from private, public and commercial web mapping services to be integrated into your map projects.

Available Editions

Workgroup

Competitively priced and featured tool for project teams wanting to collaborate using maps

Classic

Fully featured enterprise Web GIS solution, including ESRI ArcGIS Server Gateway

Enterprise

Including unlimited on-site deployments — ideal for larger enterprises

Hosted

Hosted and managed solution.



GeoSamba is an award winning software for rapidly deploying and configuring enterprise-wide web-based GIS solutions. It is a powerful mapping integration tool that is designed to let you can quickly and easily bring together data from across your organisation and present this using maps. You can create business processes that extract, analyse, report and interact with information held in enterprise databases and present this on your maps. Using GeoSamba, you will benefit from visualising and understanding information using maps in a completely different way, helping your organisation collaborate within and across teams. GeoSamba has been deployed by a range of industry clients, including health care, social housing, energy, government and engineering organisations.

Silverlight Client: Intuitive Map Interface

Silverlight Client: Bring together all your information via the Smart Identify Attribute window

Silverlight Client: Attribute Explorer window showing the filter building tool

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RC406	Mining Le			90	10/7/2003	
RC436	Mining Le			90	11/18/2000	
RC443	Mining Le			90	11/20/2000	
RC457	Mining Le			90	11/14/2000	
RC501	Mining Le			90	11/23/2000	
RC505	Mining Le			90	11/17/2000	
RC544	Mining Le			90	11/29/2000	
RC545	Mining Le			90	11/23/2000	
RC553	Mining Le			90	11/16/2000	
RC554	Mining Le			90	11/12/2000	
RC567	Mining Lease	372.1439632	92	-60	90	12/4/2000
RC605	Mining Lease	371.0621244	140	-60	90	11/20/2000
RC635	Mining Lease	374.0550117	191	-60	90	11/18/2000
RC380	Mining Lease	380.0803255	60	-60	90	9/23/2003
RC417	Mining Lease	371.6935329	125	-60	90	11/28/2000
RC428	Mining Lease	372.3054894	160	-60	90	11/30/2000
RC448	Mining Lease	378.0451111	180	-60	90	11/13/2000

Why GeoSamba?:

- ◆ **Integration:** quickly and easily integrate and unify information from a range of databases such as SQL Server, Oracle, etc.
- ◆ **Modern standards:** Utilising web services and open standards, GeoSamba provides a platform that is full of architectural options.
- ◆ **Affordable:** A range of licensing models that makes sure you will find a solution that is affordable and appropriate to your needs. The chosen license is easily upgraded.
- ◆ **Accessible:** Support is included for a range of browsers (e.g. Internet Explorer, Firefox, Chrome and Safari).
- ◆ **Fast:** Cached maps for responsive navigation.
- ◆ **Easy to use:** Multi-purposed mouse controls enabling identify, scroll, zoom in/out, pan and selection without leaving the map.
- ◆ **Easy to manage:** A simple and well-structured web-based administration console means you can easily manage your GIS projects, data and user base
- ◆ **Appealing:** Smart and modern interface with a new Identify attribute display window.
- ◆ **Secure:** Integrated with SSL and Active Directory, control over what project data is published, makes GeoSamba an the choice of solution for those concerned about securing their data.



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GeoSamba Data Sources

Utilise GeoSamba's web-based administration tools to integrate and mine data from across your organisation and present this in an easy to use and intuitive interface.

GeoSamba IMS enables support for local network layer data sources:

- Shapefiles vector files ³
- MapInfo TAB vector files
- ECW image files
- TIFF image files
- Point database tables with X,Y fields ^{3,4}
- Database tables which extend feature attributes ⁵

Database Gateway enables support for local network tabular data sources ⁶ which support an OLE DB connection

Bing web service layers ¹:

- Roads base map
- Hill-shade base map
- Aerial base map
- Hybrid base map

OGC web services:

- WMS layers ²
- WFS / WFS-T ³ layers ²

ArcGIS Server Map Service:

- Feature Class layers
- Drawing elements

ArcIMS Image Service:

- Feature layers
- Image layers

ArcIMS ArcMap Service:

- Feature Class layers

- ¹ Additional licensing may conditions apply.
- ² Supports selected implementations, including: Oracle application server, ArcGIS Server, GeoServer & MapServer.
- ³ Supports transactional vector edit functions
- ⁴ Supporting most databases via OLEB, including: Oracle, MS Access & SQL Server
- ⁵ Supports one-to-one relationships only
- ⁶ Supports up to many-to-many relationships



GeoSamba is a powerful enterprise browser based information and mapping integration tool. Through GeoSamba you can setup access to mapped-based information securely accessed via the web browser in your organisation. Easily setup data and map gateways, integrate this data together through the concept of 'projects' where your users can share data. GeoSamba facilitates collaboration with users across the organisation to analyse and retrieve information and hence improve business decisions through a powerful 'out-the-box' web GIS interface and user defined tools.

GeoSamba gets you up and running quickly

Once installed on your server, GeoSamba provides a complete web-based administration experience to allow you to setup your users (and their roles), 'projects' where you can bring together your information requirements, as well as configurable tools and your business processes. It also enables your workflow to be modelled through 'Tasks', providing configurable user permitted functionality.

Because all information is centrally managed, creating new projects can be easily and quickly achieved, delivering strong levels of productivity. Importantly, this is all done without recourse to any code development by either the administrator or users. Enterprise solutions can be developed to users in minutes and hours, not days or weeks.

Architected as a collection of modular server components GeoSamba can be deployed flexibly to meet the needs of your organisation. This modularity, together with flexible licensing, provides a simple means to scale solutions and deliver value. All GeoSamba components meet modern network security standards and can be connected through internal or external networks. GeoSamba has an easily extended interface to integrate new functionality.

Gateways

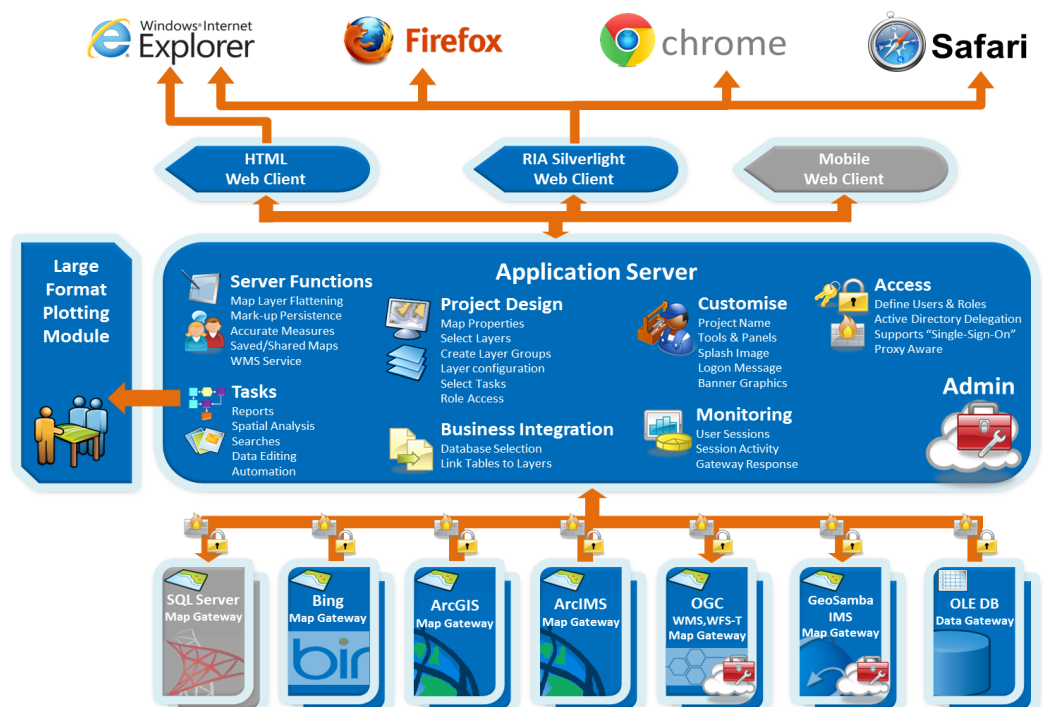
GeoSamba employs the concept of "Gateways" through which information is accessed and managed, including security. Gateways currently provided are:

- ◆ *Microsoft Bing Maps*
Bing map background services
- ◆ *ESRI ArcGIS Server*
Configured ArcGIS Server Map Service
- ◆ *ESRI ArcIMS Server*
- ◆ *OGC—Web Services*
- ◆ *GeoSamba IMS—local file Gateway that lets you quickly and easily render maps created using a number of commons GIS formats such as Shape and TAB*
- ◆ *Database—connect to enterprise data*

Multiple Gateways, of the same or different types, can be connected to or be consumed by a GeoSamba Application server. Gateways can be distributed across servers transforming data sources into secure web services. In addition each Gateway both optimises and logs all activity.

Some Gateways are simple and pass through rendering instructions to their source. Gateways with rendering capability are

GeoSamba architecture



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Task Operators

GeoSamba has a range of powerful functions to create your own business workflow.

Branching

- Numeric comparison
- String comparison

Conversion

- From Map Units
- To Map Units

Display

- Message
- Attribute Explorer
- Attribute Explorer plus links

Editing

- Add new feature
- Change feature attributes
- Change feature geometry
- Delete features
- Get fields from layer
- Prompt attributes edit

External System

- Link to external system

Geocode

- Zoom to address

Geoprocessing

- Buffer geometries
- Download extracted files
- Extract image of layer
- Extract features to file
- Subtract geometries
- Symmetric difference
- Union geometries
- Intersect geometries
- Normalize Geometry

Legend

- Clear active layers
- Hide a layer
- Hide all layers
- Refresh legend
- Set layer active
- Show a layer
- Show all layers

Map

- Delete View
- Load View
- Refresh map
- Save map as image
- Save View
- Set active tool in client
- Set the map scale

Mark-up

- Clear mark-up
- Load from geometry
- Prompt user for new style
- Save markup

Parameter

- Prompt for parameter
- Prompt for report parameter
- Set value for parameter

Querying

- Count features
- Get geometry type

Report

- Generate simple print report
- Generate for selected features
- Generate single report

Search

- Perform a search
- Prompt for search parameters

Selection

- Add features to selection
- Clear selected features
- Save selection attributes
- Save selection geometries
- Zoom to selection extent

Task Wizard

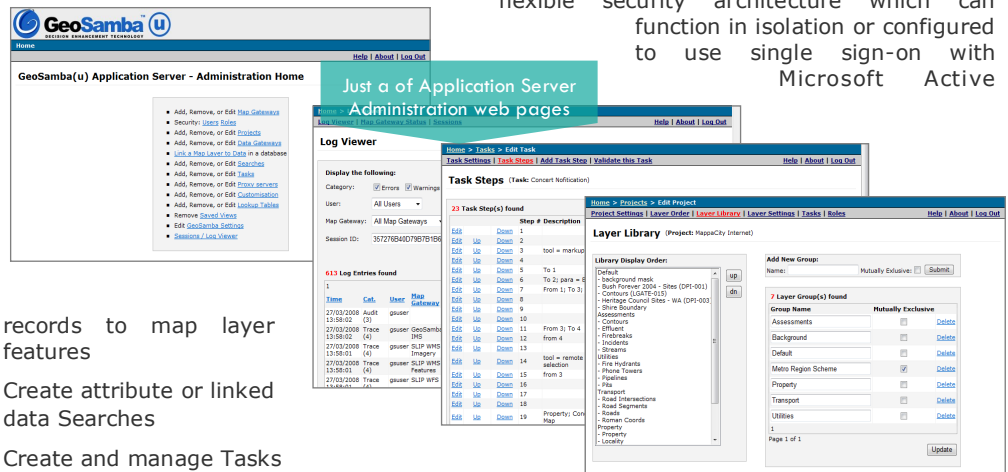
- Close Wizard window

provided with an administration interface to configure layers and symbology.

Application Server

The GeoSamba Application Server is the central component, it's features include:

- ◆ Connection to GeoSamba Map Gateways to access map layers
- ◆ Manages users through roles (capability can be delegated to MS Active Directory)
- ◆ Create Projects for users
- ◆ Connect to Database Gateways and link



records to map layer features

- ◆ Create attribute or linked data Searches
- ◆ Create and manage Tasks
- ◆ Configure proxy servers for web services
- ◆ Create and manage customisations for user interfaces
- ◆ Define lookup tables on attribute or linked table fields for searching or editing Tasks
- ◆ Manage saved map Views
- ◆ Configure server settings such as file clean-up and support email address
- ◆ View active sessions, user activity and Gateway performance logs

A Project is a container that specifies properties including: default map display behaviour, which layers are to be included, how the layers will be grouped in the legend, the default behaviour of layers, which Tasks are to be available and what roles can access a project. Projects can be easily cloned and modified, creating a highly productive environment.

The Application Server manages access to projects through stateful user sessions performing core functions, such as: passing layer rendering instructions to data sources, flattening map images from Gateways, managing selection sets for vector layers, persisting mark-up geometries, running tasks and calculating precise map measurements.

GeoSamba Tasks enable reusable custom tools and processes to be modelled and rapidly deployed. Tasks are created by configuring the 50+ available Operators.

Operators are pre-configured into Steps of Tasks by administrators and extend the base tools of the GeoSamba interface to generate reports, perform spatial analysis, search attributes, edit data or automate business processes. Tasks can also be further

extended by integrating your own external code.

When combined with the ability GeoSamba users have to precisely manage selection sets Tasks represent a truly powerful feature, enabling more effective analysis and visualisation.

GeoSamba monitors user activity at both an Application Server and Gateway level. Sessions, users, projects and Gateway responses are all tracked for each activity. Enabling administrators to monitor user activity as it occurs or generate historic reports on user or Gateway activity.

GeoSamba offers a comprehensive and flexible security architecture which can function in isolation or configured to use single sign-on with Microsoft Active

Directory or Lightweight Directory Access Protocol (LDAP) environments.

Properly configured with Secure Socket Layers (SSL) on a hardened platform, GeoSamba security complies with rigorous commercial security needs.

Large Format Plotting (LFP) Module

The LFP Module enables the creation of PDF plot files up to A0 size with resolutions of up to 300dpi. LFP is included for all Enterprise licenses and as an optional addition to Classic and Workgroup Licenses.

Client Interfaces

GeoSamba provides a rich web service application API for easy integration into other enterprise applications and development of custom client solutions. GeoSamba now also provides deployable ready for use web browser client systems:

- ◆ The HTML Browser Client is an ultra-thin interface not requiring any plug-in's
- ◆ The new Rich Internet Application (RIA) Browser Client build in Microsoft Silverlight

The new RIA Silverlight Client represents a substantial rethink of browser delivered GIS user interfaces. The innovative interface provides users with the look, feel and usability of a powerful desktop application, yet is fully compatible with all the widely used browsers.

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HTML Client

Toolbar

- Zoom to Start View button
- Refresh Map button
- Zoom In by marquee tool
- Zoom Out by marquee tool
- Zoom To Scale button
- Pan / Re-center map tool
- Zoom to Previous Extent button
- Show/Hide Overview Map button
- Identify Features tool
- Select Features by marquee tool
- Add to Selection by marquee tool
- Remove Selection by marquee tool
- Add to Selection by Circle tool
- Clear Selection button
- Display Feature Attributes button
- Perform an Ad-hoc Query button
- Open Feature Hyperlinks tool
- Markup Map with Annotation tool
- Markup Map with Points tool
- Markup Map with Lines tool
- Markup Map with Polygons tool
- Convert Features to Markup button
- Clear Markup button
- Measure Distances & Areas tool
- Print Map button

Panels

- Task List
- Manage Mark-up Styles
- Manage Views
- Layer Legend/Library/Order

RIA Silverlight Client

Main Ribbon

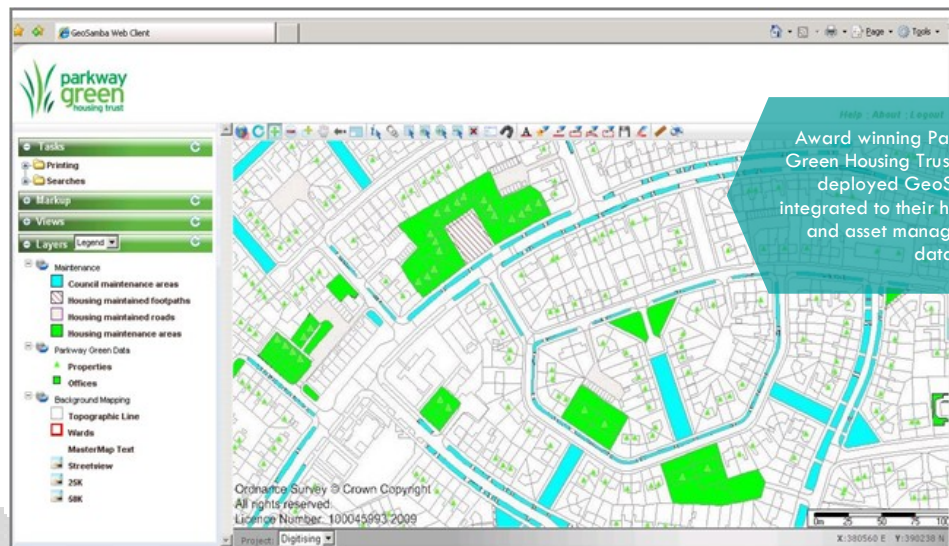
- Zoom to Start Extents button
- Zoom To Scale button
- Zoom to Previous Extent button
- Zoom to Next Extent button
- Clear Selection button
- Open Attribute Explorer button
- Clear Markup button
- Convert Features to Markup button
- Draw Point Markup tool
- Draw Line Markup tool
- Draw Polygon Markup tool
- Draw Annotation Markup tool
- Measure Distances & Areas tool

Panels

- Tasks
- Saved Maps
- Layers

Default Map Tool

- Mouse Wheel Zoom In & Out
- Ctrl+left_marque: Zoom In
- Ctrl+right_marque: Zoom Out
- Dbl left mouse: Zoom In
- Dbl right mouse: Zoom Out
- Left mouse drag: Pan
- Right mouse: Identify Features
- Left mouse: Identify Features
- Shift+left_marque: Add to Selection
- Shift+right_marque: Remove Selected



Award winning Parkway Green Housing Trust have deployed GeoSamba integrated to their housing and asset management databases

Case market:

Social Housing

With location-based information forming a key dataset in the social housing market, GeoSamba is a complete solution for housing associations wanting to deploy GIS across their organisation. It provides housing associations with an easy to use and configurable solution without the administration needs of more traditional GIS solutions. WeGetGEO provides a complete one-stop solution for our housing clients — including deployment, training, on-going technical support and all the required addressing and mapping data that you will need to harness the power of GIS across your organisation. We also include a hosted version providing clients with all the benefits but non of the overhead costs of maintaining and managing their GIS.

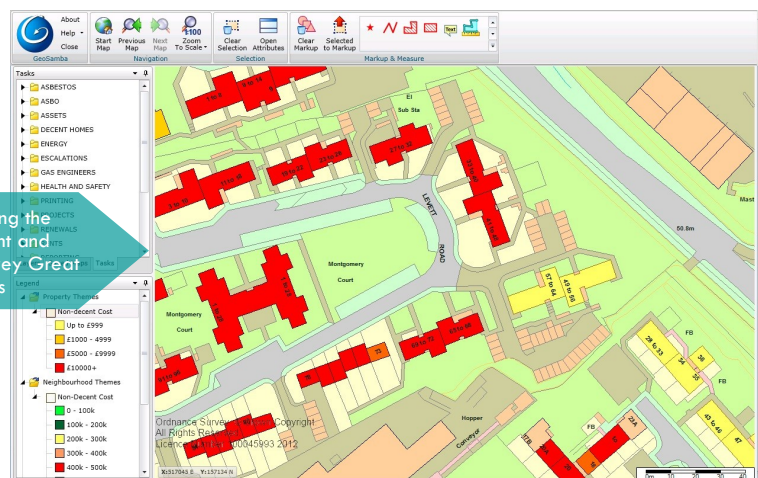
Supporting Services

The WeGetGEO team want to ensure you maximise the benefits of your GeoSamba license and can help in a range of supporting services, including:

- ◆ Requirements analysis
- ◆ GeoSamba deployment
- ◆ Mapping data and loading
- ◆ Design and development of Tasks
- ◆ Training courses
- ◆ On-going technical support and maintenance

GeoSamba® puts the power of **location** in the hands of **people who know the business**
<http://www.geosamba.com/>

GeoSamba using the Silverlight Client and Ordnance Survey Great Britain datasets



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Distributed by WeGetGEO

Tel. +44 1372 825184

Web. www.WeGetGEO.com

