

# Cloud Computing Initiatives at Intergraph

## GIS-T 2011

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### **Intergraph is taking a 3-way parallel approach to “Cloud Enable” our solutions**

1. **Enable** existing on-premise server applications to run in the cloud
2. **Extend** existing on-premise applications to access cloud based services
  - **Software + Services** model
3. **Invest** in next generation SOA based products which fully leverage all the capabilities of the Cloud

### Enablement of existing on-premise server applications to run in the cloud

- ResPublica
  - Regionally developed, browser based GIS Smart Client connected to an intelligent back end
  - Provides geospatial data creation, editing and analysis capabilities
  - Supports 1000's of European customer seats in a hosted SaaS model **today!**
  - Being rebranded and rolled out globally
- Next version of GeoMedia WebMap/Pro will be certified on **Amazon EC2** and **Microsoft AZURE**
  - Customers already running WebMap on Amazon EC2

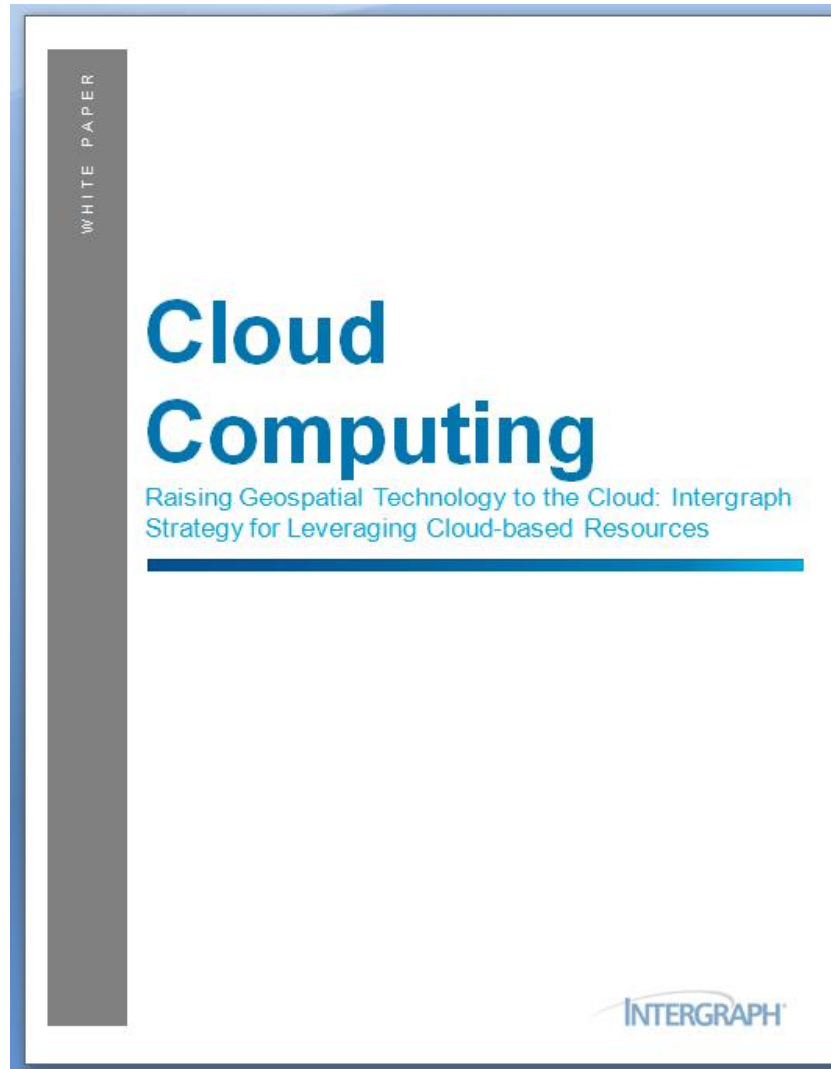
### Extending existing on-premise applications to leverage the Cloud

- Integration of **Microsoft Bing Maps** into GeoMedia, GeoMedia WebMap and Intergraph's Public Safety applications
- Planning a **SQL AZURE** GDO for GeoMedia/Pro enabling storage and access of geospatial data in the **Microsoft AZURE** cloud.
- Customers in Europe are already deploying GeoMedia using **Citrix/Amazon EC2**

### Investment in next generation SOA based products

- Intergraph has made a significant investment in architecting a next generation Service Oriented Architecture.
- Intergraph's SOA will enable:
  - Individual services to be chained together using a workflow engine such as Microsoft BizTalk Server, Windows Workflow Foundation (WF)
  - Management of these services using Windows Server AppFabric and Windows AZURE AppFabric
- Working on “**Next-Generation Webmap**” product. This will be our first SOA based product delivery:
  - 100% 64-bit managed .NET code
  - Designed from the ground up to be deployed in a customer data center **or in the Microsoft AZURE cloud.**
  - Planned availability: 1H/2012

# Cloud Computing White Paper



<http://www.intergraph.com/sgi/downloads.aspx?assetid=173>