Publicación de cartografía para la web

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3. Arquitectura de aplicaciones Web para SIG

Objetivo

Conocer las generalidades sobre arquitecturas de software para la publicación de geoservicios y aplicaciones web para SIG

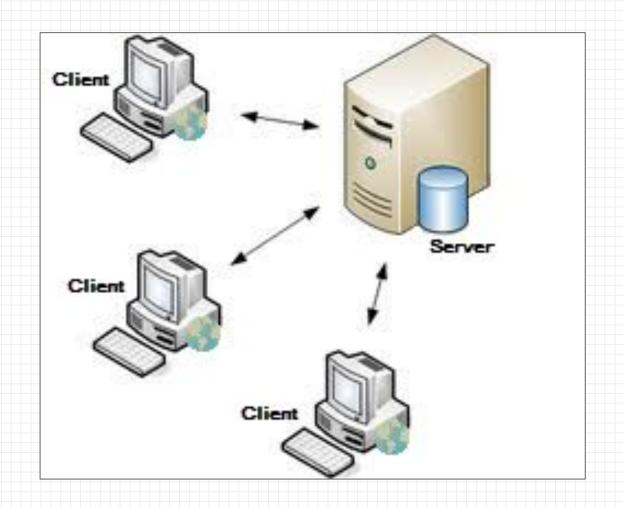
Arquitectura de Aplicaciones

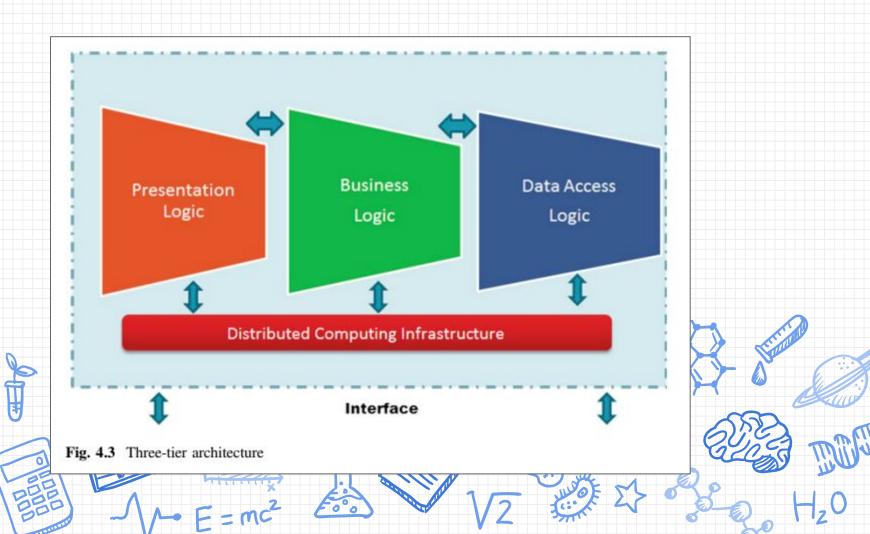
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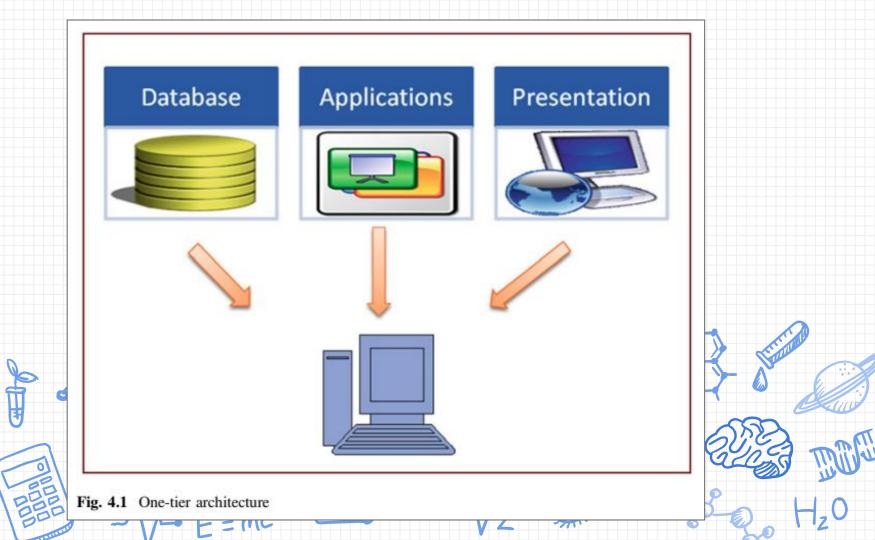
En la siguiente presentación se incluyen imágenes tomadas de:

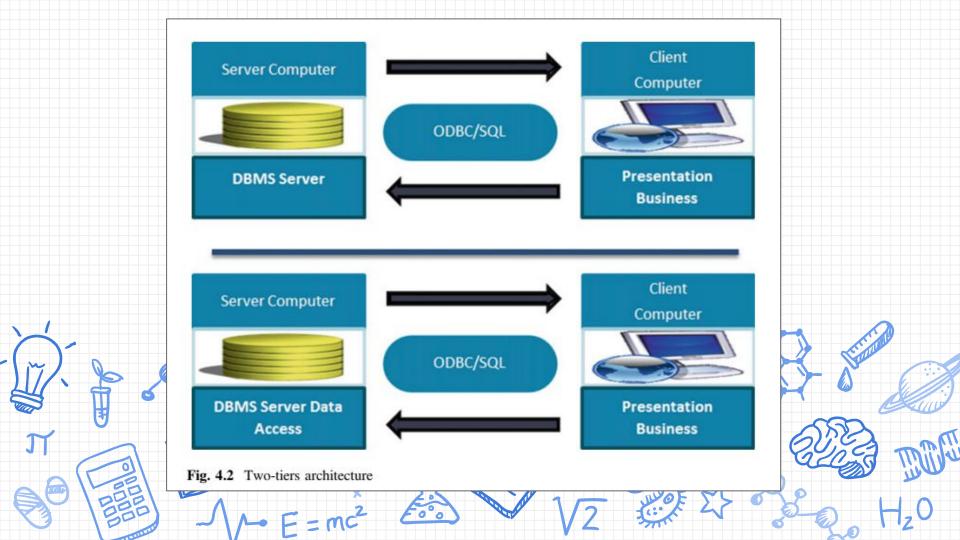
- **x** ESRI.com
- Abdalla, R. (2016). Distributed GIS Technology. In Introduction to Geospatial Information and Communication Technology (GeoICT) (ρρ. 63–81). Springer International Publishing. https://doi.org/10.1007/978-3-319-33603-9_4
- Architecting the ArcGIS Platform: Best Practices https://assets.esri.com/content/dam/esrisites/en-us/media/pdf/architecting-the-arcgis-platform.pdf











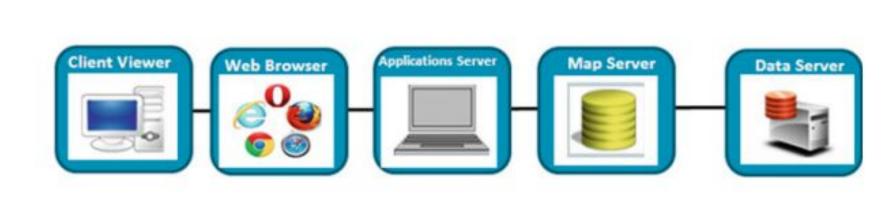


Fig. 4.5 Sample diagram showing distributed GIS



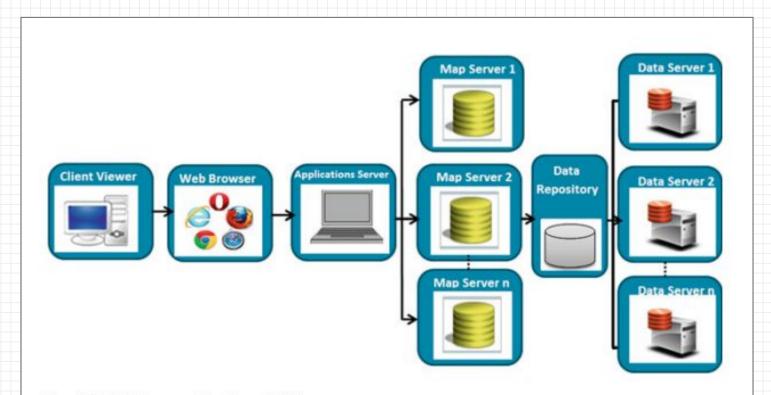


Fig. 4.7 Multiserver distributed GIS

Table 4.1 Comparison between the different computing architectures

	One tier	Two tier	Three tier
Performance	Good	Good	Excellent
Reliability	Medium	High	Highest
Expense	Low	Medium	High



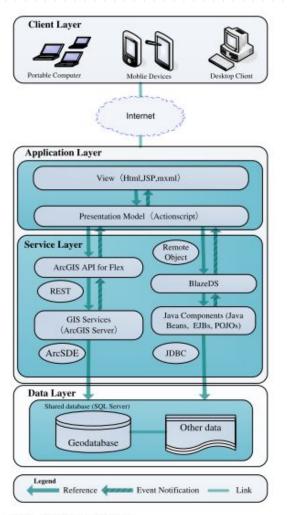
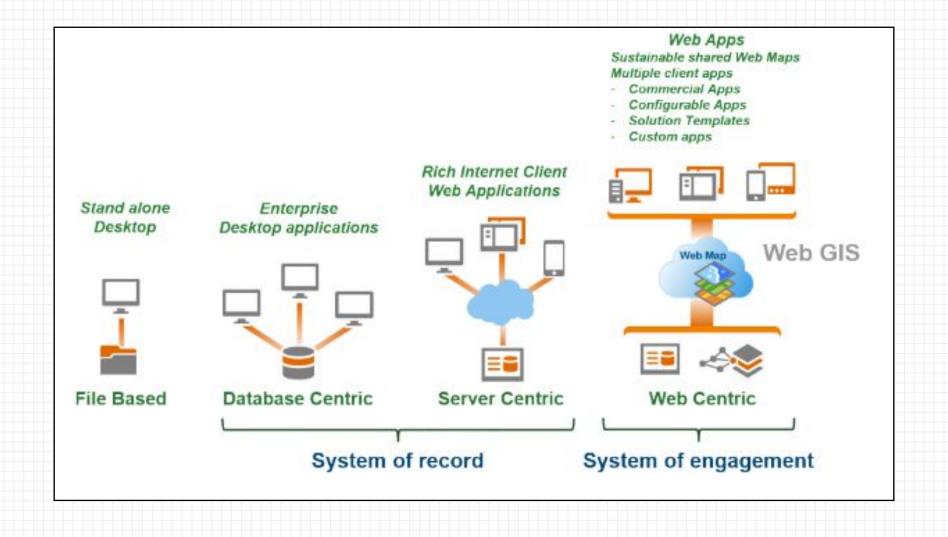


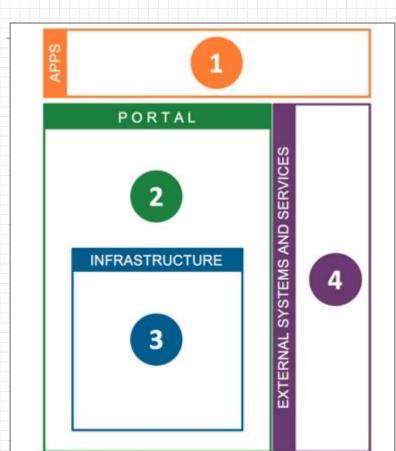
Fig. 3 Architecture of RGHIMS



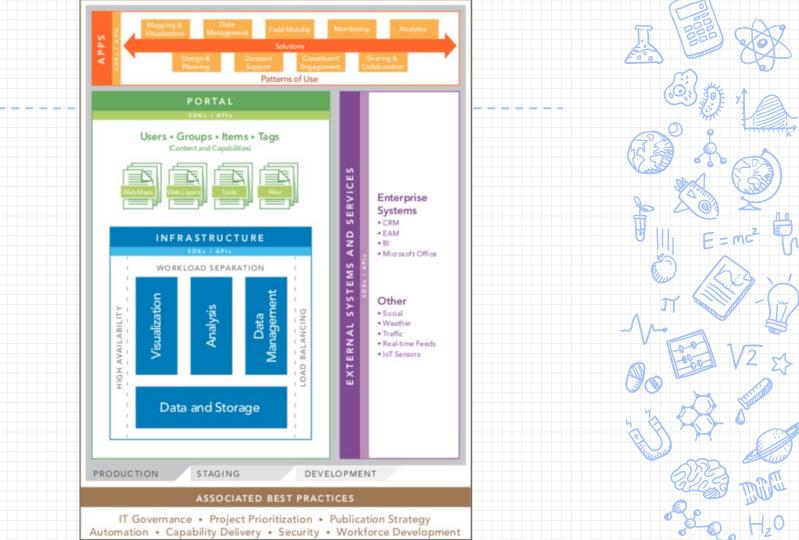
Architecting the AreGIS Platform:

Best Practices

Arquitectura Conceptual







Architecting the AreGIS Platform: Best Practices

There are eighteen best practice briefs associated with the ArcGIS Platform Conceptual Reference Architecture diagram.

Eleven of these briefs—including Automation, Distributed GIS, Enterprise Integration, Environment Isolation, High Availability, Infrastructure, Load Balancing, Publication Strategy, Real-time GIS Strategy, Security, and Workload Separation—reference technology practices that provide high-level implementation guidelines based on business needs.

Architecting the AreGIS Platform: Best Practices

Following these best practices will help organizations meet requirements for performance, security, and availability. The best practice briefs for Application Implementation Strategy, E Capability Delivery, Patterns of Use, Managing Identities, Project Prioritization, and Workforce Development focus on people and how they should interact with ArcGIS.

Architecting the AreGIS Platform: Best Practices

IT Governance brief offers a complementary process guideline that suggests ways to minimize risk, improve quality, and increase productivity around ArcGIS solutions.

