

Scale Faster While Reducing Costs with Cloud Solutions

Cloud-native architectures offer easy access to the latest technology and system capabilities while reducing total cost of ownership

Adopt tomorrow's tech with cloud computing

As more businesses adopt new technologies, modernize their IT, and digitally transform their operations, the need for cloud computing increases. That's because cloud technology offers speed, flexibility, and lower costs compared to on-premise hardware. In fact, on average, companies using cloud computing [save 20%](#) annually on infrastructure costs.

Every industry imaginable can benefit from the cloud, including utilities, commercial businesses, government agencies, and nonprofits. Companies can scale computing power, memory, and storage as needed rather than having to adopt and maintain these services internally. This optimizes your enterprise IT environment and supplies additional security protections. Plus, cloud providers continuously deliver new features and services for all technology areas, including geospatial. Organizations hosted in the cloud can quickly implement the latest technologies with GIS across their IT landscape.

The key to successful cloud services involves proper planning and deployment. Each software package and corresponding data requires a unique approach for the migration. And failover and recovery strategies need defining. The spatial nature of Esri technologies requires extra consideration, like ensuring the data management system is set up. That's where Locana, a TRC Company, can make a difference. Locana can help businesses future-proof data and technology investments and adopt tomorrow's technology when it becomes available.

Benefits with Cloud Architecture

- Scale effectively as your business grows by quickly adding resources
- Only pay for what you use, while being ready for high-traffic periods
- Quickly adopt new tech offerings as they become available on the cloud

Prepare for growth and increase security with cloud technology

The key to successful cloud migration includes thorough planning and proven best practices and patterns. Locana maintains an expert staff with certifications in designing and deploying cloud capabilities. With experience working across industries, Locana has developed solutions that enable clients to leverage cloud GIS effectively. And through things like orchestrated scaling, companies can automate processes that free up staff and resources.

Scalability becomes a button-click to increase cloud hardware capacity or a configuration step for auto-scaling. Virtual user sessions, web applications, services, and data requests will ebb and flow as your business operates. As your business grows, your staff will put more demands on your application hardware. With cloud architecture, adapting to these variances is built in.

Flexible pricing model or “pay as you go” is one of the many options offered by cloud hosting providers. This model auto-scales the hardware, turning off machines and reducing resources when not in use. Your organization only pays for virtual machines or computing power you consume. When resources are not active, you are not charged. This can be especially helpful when test and Q/A systems are idle.

Adaptability to changing technologies happens as providers release new machine types, new service offerings, and innovative technology. With your GIS data and solutions co-located on the cloud with new offerings, adopting technology like AI, machine learning, and serverless computing is made easy.

Security on the cloud is often more robust because things like software patches and upgrades happen in the background. And, with some pre-planning, companies can strategically select specific parts to stay on-prem, like user accounts.



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Things to Remember

1. Adopting new tech becomes a regular practice with the cloud
2. Advantages like cost savings are realized right away after migration
3. The right planning and strategies ensure a smooth transition and optimized architecture

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