



## Reliable, tailored, secure – fortify your organization’s digital transformation with a modern GIS architecture.

*Ensure the proper IT infrastructure is in place to build the foundation of your GIS-IT transformation and achieve your utility business and technology goals.*

***UDC builds the best architecture solution for your organization, optimizing your IT transformation at the enterprise level.***

When approaching transformational technology projects involving GIS, UDC’s System Architecture service supports the critical phase of building a scalable GIS architectural framework that aligns the IT infrastructure to your future technology requirements. Our knowledge of the leading technology stacks and utility business empowers us to accurately size and configure your system either in the cloud, on-premise, or through a hybrid approach.

UDC helps align your system with industry best practices for well-architected frameworks, redesign your GIS architecture to address performance issues, and automate your IT/OT utility management processes to maximize the returns on your technology investments.

We can provide additional services to support your system architecture needs, including **Cloud Decision Support, Performance Testing, Availability Testing, and Security Testing.**

## Key Features & Benefits

### **Speed to Implementation**

Significantly shorten your project timeline and find the right solution from the outset using preconfigured automated strategies based on best-practice deployment patterns

### **Leverage Experienced GIS Professionals**

Work with experts who understand GIS-based architecture to design and build architectures that meet future goals and requirements.

### **Accurately Size Your System**

Ensure proper size and configuration of your system with a team experienced in gathering non-functional requirements.

### **Address Real-world IT Considerations**

Gain process efficiencies through automating management tasks and routine system maintenance in a practical manner.

### **Partner for Long-term Success**

Ensure optimal performance is maintained through routine system health checks following deployment.

# Why Prioritize System Architecture?

System architecture review is key to a successful GIS system implementation or integration.



## Scope of Work

### System Architecture

Our project scope ensures we establish secure, reliable, scalable, and modern system architectures that follow industry best practices.

-  **Discovery Workshops/Requirements**  
Capture non-functional requirements
-  **System Sizing**  
Determine capacity and specifications
-  **Architecture Design**  
Envision future-state architecture
-  **Infrastructure Deployment**  
Provision hardware and cloud services
-  **Core Software Deployment**  
Set up core software components

#### Value-Add Services

- ✓ **Cloud Decision Support:** build cloud business case
- ✓ **Performance Testing:** simulate load & monitor health
- ✓ **Availability Testing:** validate failover & backup/restore
- ✓ **Security Testing:** identify risks & harden architecture

## Next Steps

Take the first step towards supporting a successful digital transformation.

*We invite you to contact us to talk about your enterprise goals and to see how we can find the right architecture solution for your organization.*

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