



**Esri International User Conference | San Diego, CA**  
**Technical Workshops | July 13, 2011**

# **The Power of GIS: Real Examples and Applications**

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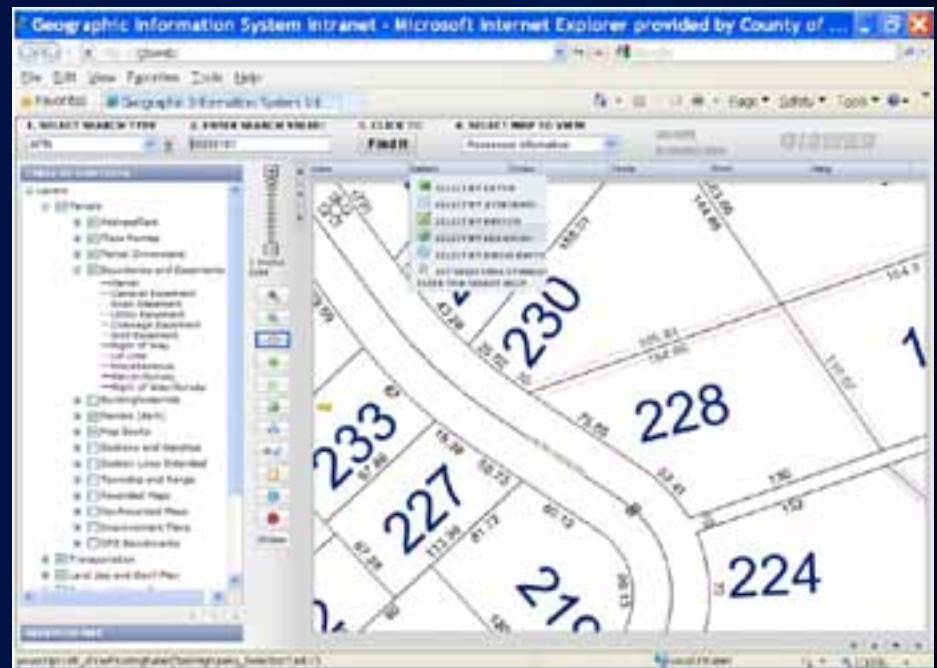
# What do you need to accomplish with GIS?

- GIS in the real world is not highly trained technicians siting landfills.
- GIS in the real world involves problems, people, and work.
- The growth of GIS stems from efficiency.



# The scope of GIS applications

- All levels of government
- Environment
- Academia, research
- Business
- Utilities
- Resource extraction
- Military, intelligence



# GIS: patterns of use



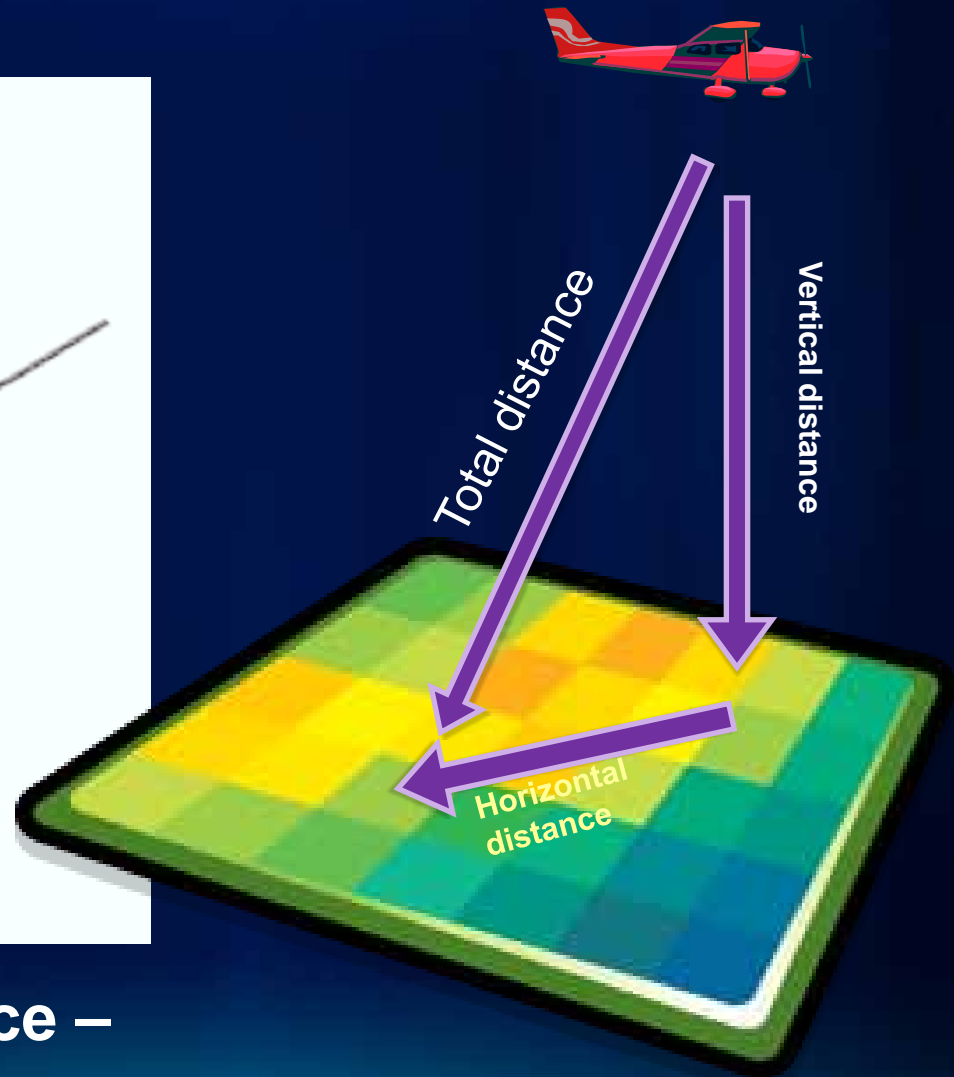
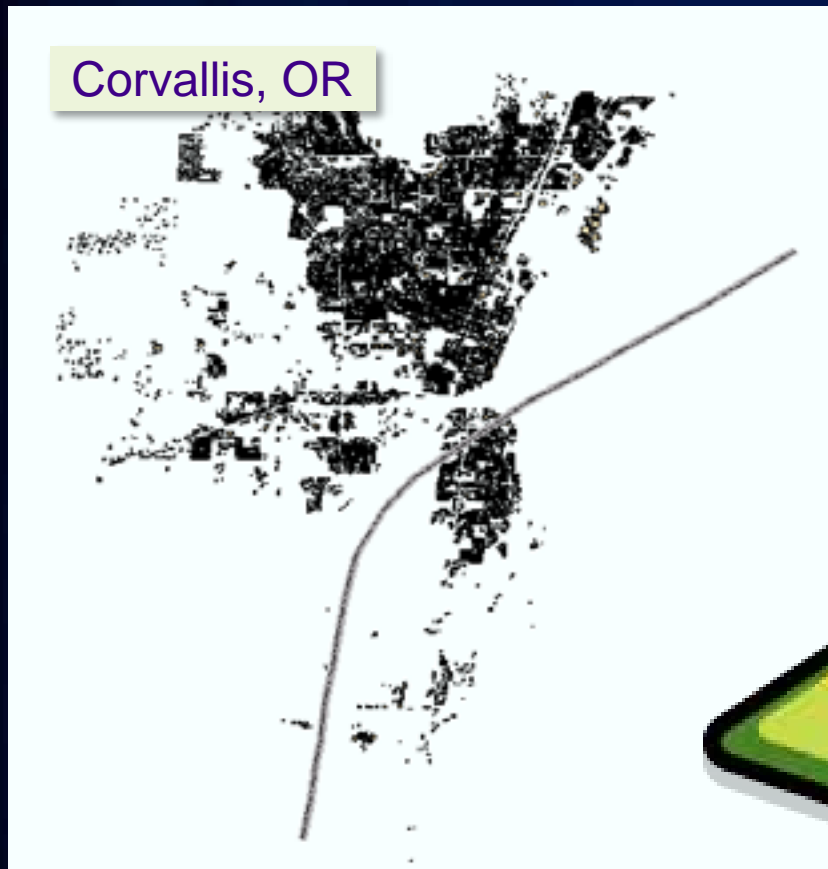
# Problem: notifying adjacent owners when land use changes

- Repetitive task
- Identify parcels
- Identify owners
- Generate mailing list

**Solution: capture workflow  
in ModelBuilder**



# Problem: predict noise from airplane departure

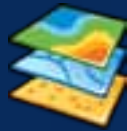


**Solution: noise distance –  
decay analysis**

# Problem: geodata management



**Data access and security**



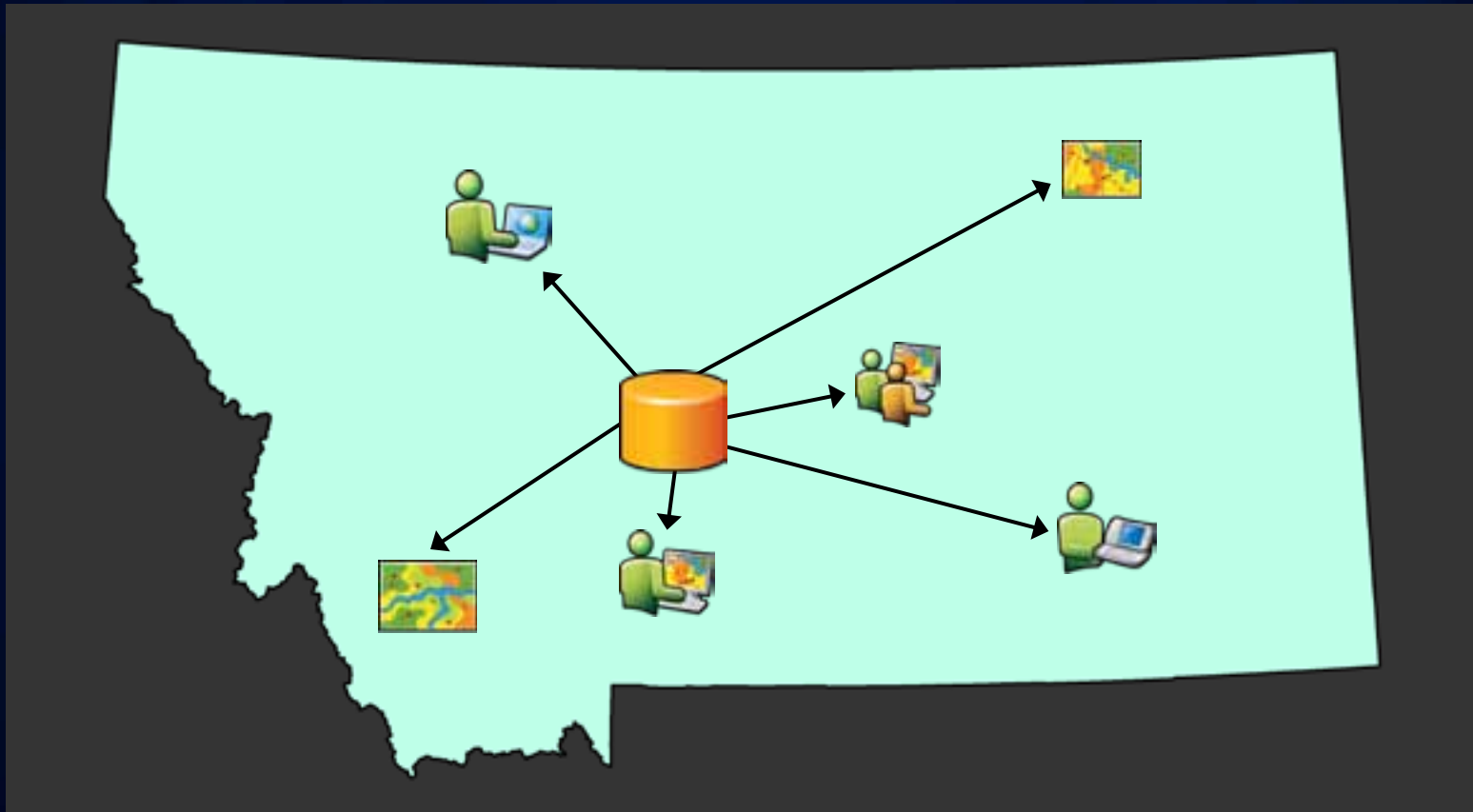
**Data management**



**Geodatabase design**

ion: Layer file library, enterprise search service

## Problem: distributed access to data



**Solution: statewide mapping services**



## Problem: public access to information

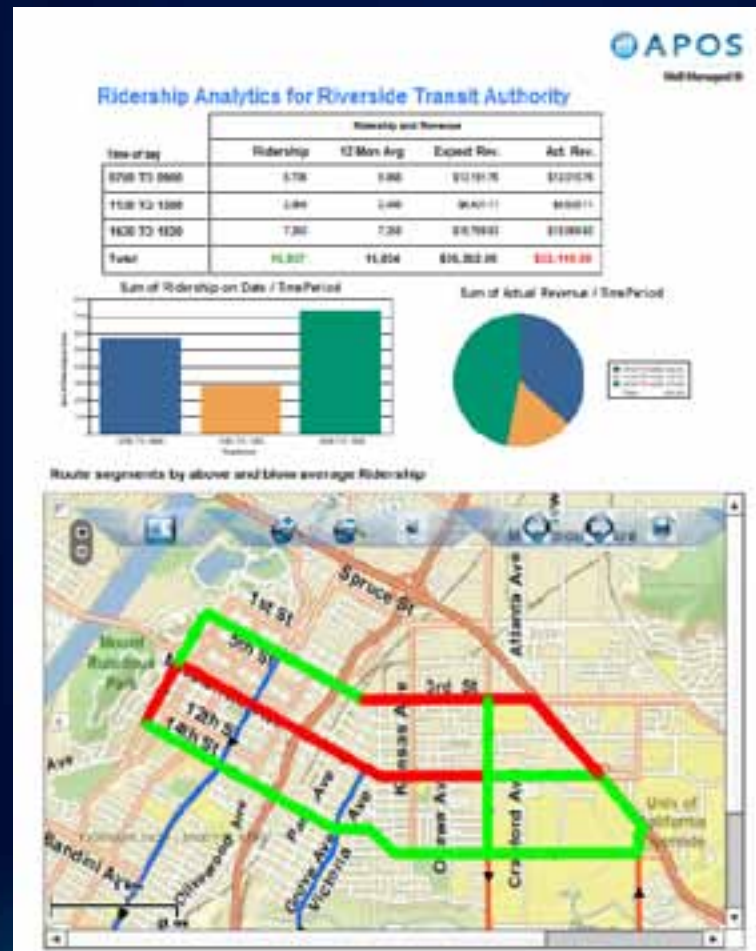


**Solution: focused web applications**

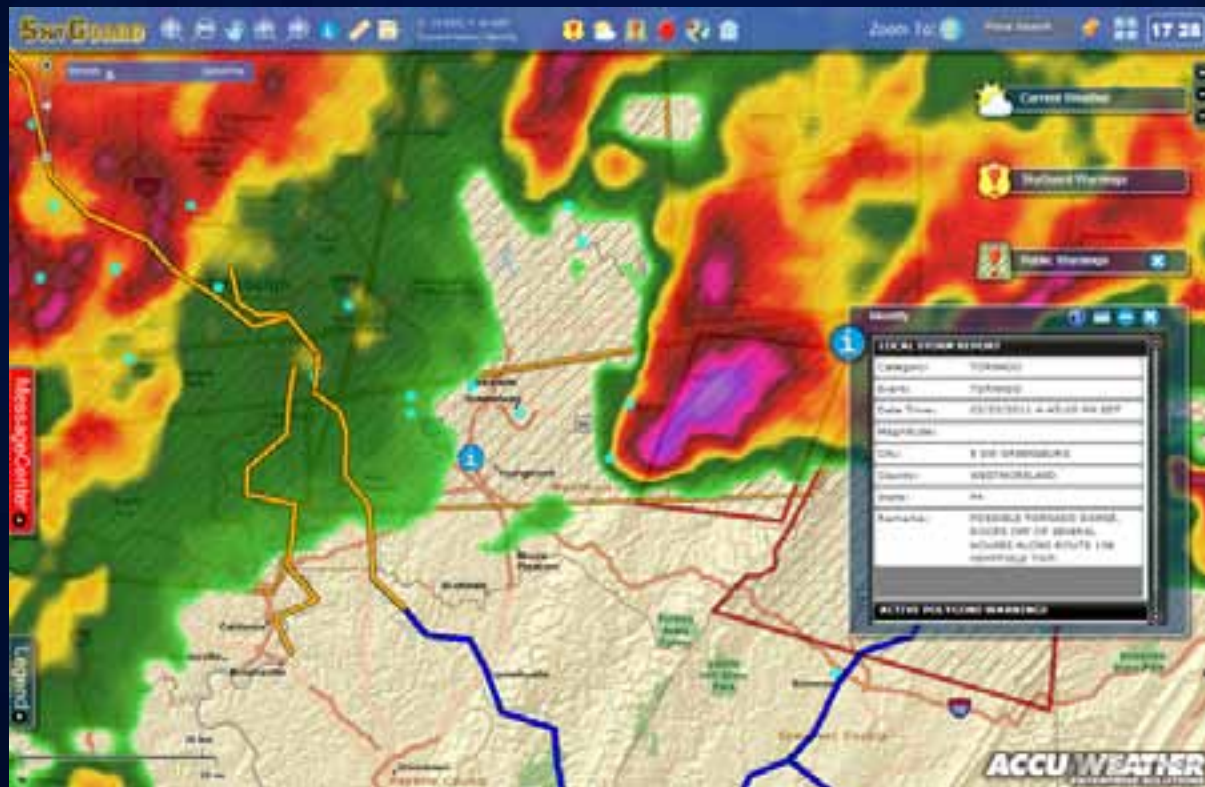
# The scope of GIS applications



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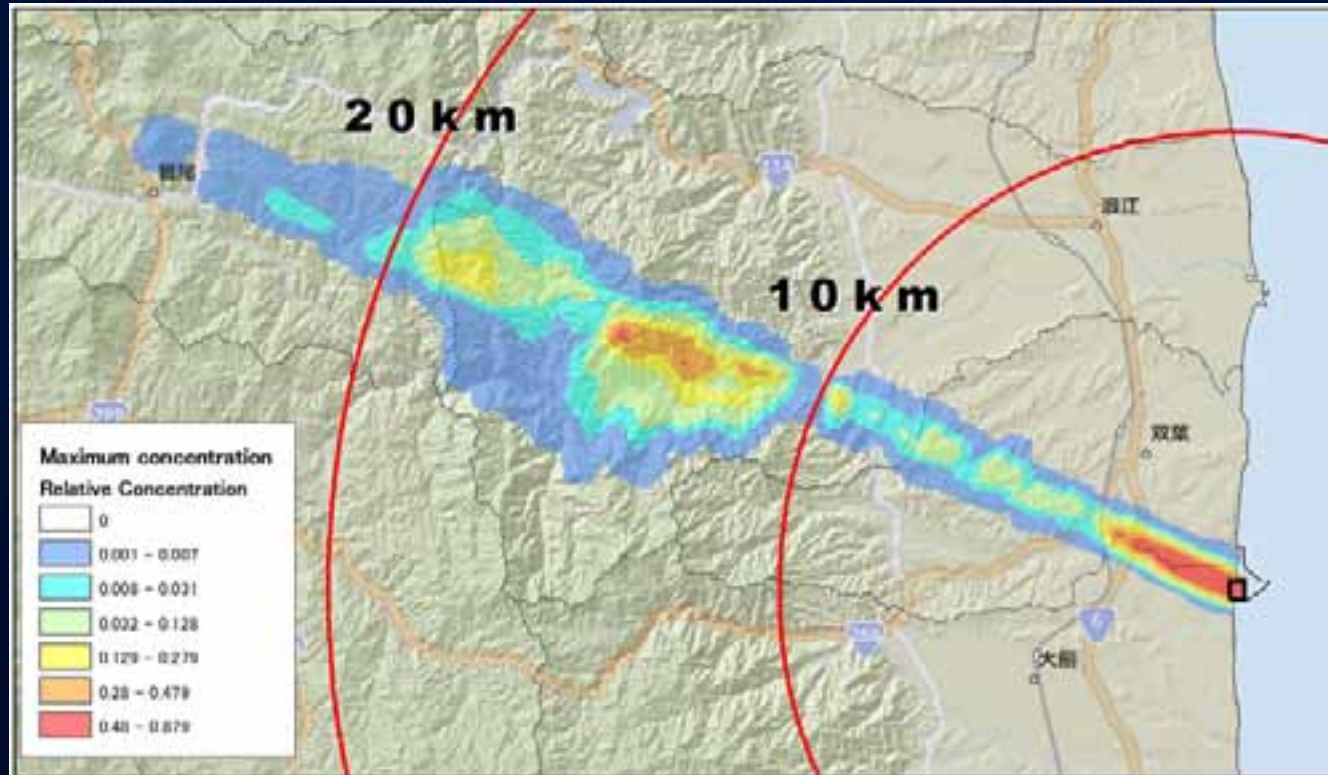


# The scope of GIS applications





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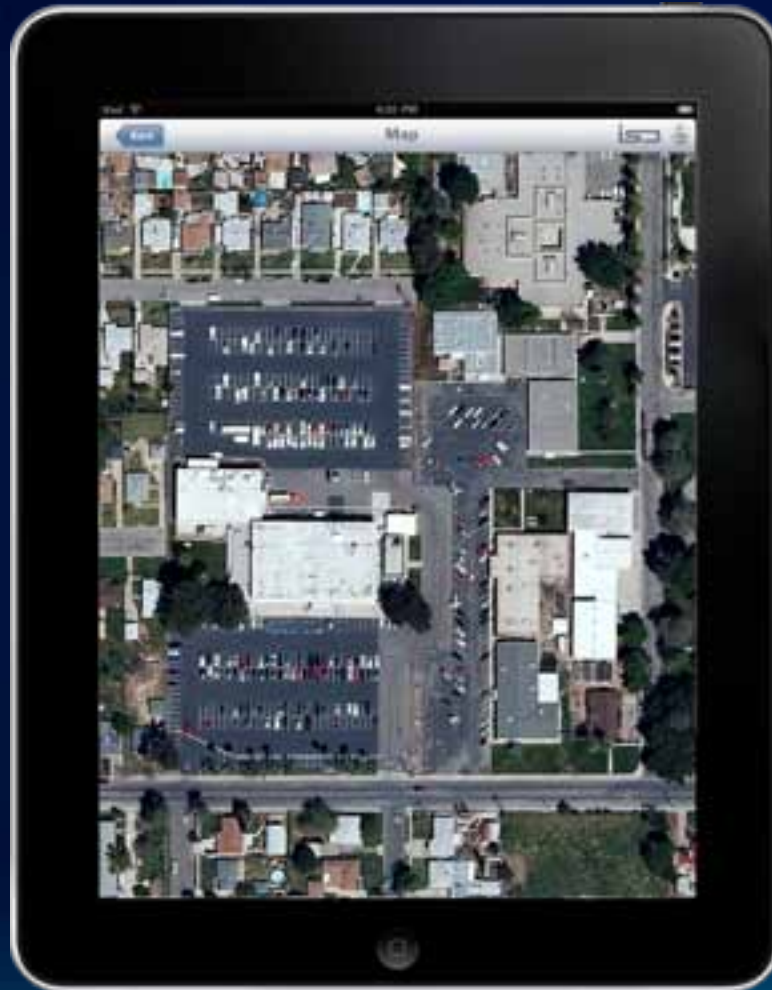
Maximum Concentration at Ground Level  
(After 75 minutes of the explosion of the plant)

**Problem: zombies are invading your community**



**Solution: deploy highly trained zombie technicians in zombie mitigation**

# The scope of GIS applications





# **Zombie mitigation workflow**

- **Create data service**
- **Provide map service**
- **Establish community sourcing for sightings**
- **Deploy mobile dispatch forces**

## Questions?

Thank you for attending

Evaluations please...

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