



## Summary

During an emergency finding key assets is critical. While most organizations keep an inventory, when disaster strikes they often find that items are not in their expected locations or that inventory information and personnel are not accessible.

By registering the location of resources, organizations can create an inventory that will come in handy in the event of an emergency. This information can be stored both locally and remotely for resilience, redundancy, easy access and sharing should the need arise.

In major events like floods and hurricanes, items are often scattered over large areas. Knowing point of origin and tracking the location of an asset can play a critical role in both disaster response and analysis. Scanalyzer can help you track geographic location, altitude, chain of custody and item status providing a comprehensive and invaluable perspective in times of crisis.

## The Challenge

- Know and make predictions about what resources are available, their changing location and condition.
- Analyze the distribution of assets during and after the event to learn how to better prepare in the future.

## The Solution

To meet this challenge follow these steps:

1. **Label assets** with Globally or Universally Unique Identifiers (GUID/UUID), preferably a highly resilient, machine readable mark, such as a high redundancy Quick Response, or QR Code.
2. **Register** the current location of items by scanning them using Scanalyzer.
3. **Store inventory data** locally and remotely for resilience, redundancy, easy access and sharing should the need arise.
4. **Distribute search efforts** through volunteers using their smart phones to report the location of any property which is found by scanning it with Scanalyzer.
5. **Monitor** the location and status of assets in real time and redistributing them as needed.
6. **Analyze** the movement of assets during the disaster and recovery effort to better understand the event and the response.
7. **Adapt** to improve resilience and future responses.

## Conclusions

An asset tracking methodology that incorporates Scanalyzer facilitates improved resource allocation during times of crisis through distributed reporting and real-time monitoring. Location and usage data collected with Scanalyzer can also help better prepare for future disasters.



## How to Prepare

1. Generate unique identifiers for each item.
2. Obtain QR Codes and affix them to the assets.
3. Optionally, create a web interfaces for management and extended data entry.
4. Configure Scanalyzer or Scanalyzer Pro to pass data to the asset registry.  
Note: This can be done manually with Scanalyzer Pro or automatically using a Quick Configuration Code for hassle-free configuration from a document or website.
5. Scan each item and fill in additional details.
6. Identify and distinguish assets of particular import during a disaster.
7. Set up a system to notify key personnel of changes to important asset locations and to aid in analysis of the event.

## How to Respond

1. Distribute download instructions and Quick Configuration Codes to volunteers and first responders who will:
  - a. Download and launch Scanalyzer.
  - b. Ensure that Scanalyzer has been granted access to location information.
  - c. Scan the Quick Configuration Code.
  - d. Scan any barcodes that are found.
  - e. Optionally report the extended information about the item.
2. Monitor the asset registry and update it with changes as necessary.
3. Analyze changes in asset location as a result of the disaster and emergency response.
4. Make predictions to assist in recovery and planning for the future.

	 3ef349d4-3199-4c53-a04a-28a5db201ade	
	Sample Asset Code	

Scanalyzer is available for download at <http://bit.ly/getscanalyzer>  
More information can be found on the Scanalyzer website at <http://bit.ly/scanalyzer>