



# DIY Geofencing Checklist

## Planning Phase

- Define the purpose of the geofence (e.g., security alerts, marketing campaigns, asset tracking, etc.).
- Identify the specific location(s) for the geofence (e.g., your home, office, or a retail store).
- Research and choose a geofencing platform (e.g., Google Maps API, Mapbox, or a GPS tracking app like Geofency).
- Determine if you need additional hardware (e.g., GPS trackers, IoT devices, or cameras).
- Set a budget for software, hardware, and ongoing maintenance.

## Setup Phase

- Create an account on your chosen geofencing platform.
- Download and install any required apps or software.
- Gather GPS coordinates for the area you want to geofence (use tools like Google Maps or GPS apps).
- Draw the geofence boundary on the platform's map interface.
  - Set the radius (e.g., 100 meters, 500 meters) or draw a custom polygon shape.
- Configure triggers for entry and exit events (e.g., send an SMS, email, or push notification).
- Set up automated actions (e.g., turn on lights, send a marketing message, or log the event in a spreadsheet).
- Integrate the geofence with other systems (e.g., smart home devices, CRM, or analytics tools).

## Testing Phase

- Test the geofence by entering the boundary to ensure the "entry" trigger works.
- Test the geofence by exiting the boundary to ensure the "exit" trigger works.
- Verify that notifications or actions are delivered promptly and accurately.
- Adjust the geofence size or shape if the triggers are too sensitive or not sensitive enough.
- Test on multiple devices (e.g., smartphones, tablets, or GPS trackers) if applicable.

## Deployment Phase

- Train users or team members on how the geofence works and how to respond to alerts.
- Ensure all devices or systems connected to the geofence are functioning properly.
- Double-check privacy settings to ensure compliance with local laws (e.g., GDPR, CCPA).
- Document the geofence setup, including coordinates, triggers, and actions.

## Maintenance Phase

- Monitor the geofence regularly for accuracy and performance.
- Update the geofence boundaries if the physical area changes (e.g., construction, relocation).
- Review and optimize triggers/actions based on usage data.
- Check for software updates for your geofencing platform or apps.
- Backup geofence configurations and data periodically.