touchgis

Powerful Field Data Collection & Visualization
for iPhone & iPad

Now available at no cost to credentialed federal government employees & military personnel.

Use this document to familiarize yourself with the features of Touch GIS and get detailed instructions on how to access the app at no cost.

Product Overview

Accurate Drawing Tools

Draw points, lines, and polygons accurately with a variety of drawing methods.

Amazing Map Performance

Collect thousands of features per project without sacrificing performance or stability.

Offline Workflow

Collect data even without a wifi or LTE data connection. Cache map tiles before you go.

Custom Feature Classes

Enjoy the flexibility to create, edit, and manage feature classes on your device in the field.

Easy Import/Export

Touch GIS supports a variety of import/export formats for easy sharing and integration.

Manage Multiple Projects

Manage multiple projects in Touch GIS simply and eliminate hours of pre-GIS processing time.

File Formats
- Shapefile
- KML/KMZ
- GeoJSON
- GPX
- CSV
- GeoTiff

Units
- Meters
- Yards
- Feet
- Acres
- Hectares
- Nautical Miles

GPS Options
- Distance Filter
- Time Filter
- Accuracy Filter
- Ultra Accuracy

Drawing
- Points
- Lines
- Polygons
- Circles
- Manual Placement
- GPS Tracking
- Free Draw
- Edit Position
- Add Attributes

Form Attributes
- Description
- List of Values
- Date & Time
- Photos
- Checkbox
- Address
- Number
- Website
- Phone Number

Base Maps
- Offline
- Street
- Outdoor
- Satellite
- Hybrid
- Custom

Overlays
- Contours
- WMS
- WMTS

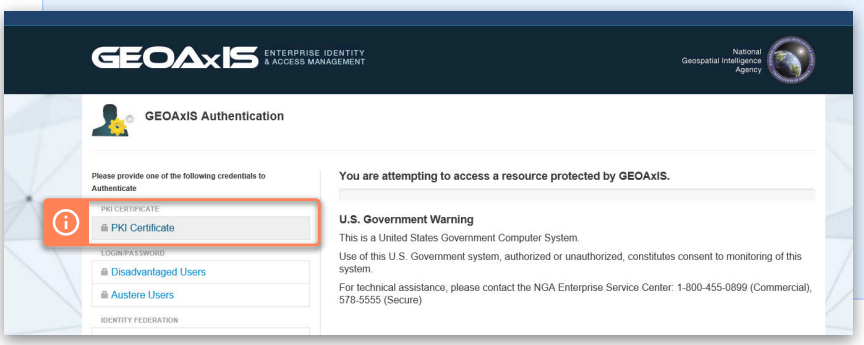
Coordinates
- Lat/Long
- MGRS
- USNG
- UTM

Get Started: Obtain a GEOAxIS Account

Step 1: Visit The GEOAxIS Site

Navigate to **https://geoaxis.nga.mil/** on a CAC/PIV enabled machine. Use a browser that has your certs.

Note: *Approved CAC/PIV cards include, but are not limited to, LincPass, Smart Card, CAC, and any card issued by the GSA HSPD-12 Managed Service Office (MSO) USAccess program, which streamlined the process for Federal agencies to issue HSPD-12 approved credentials to their employees and contractors.*



Choose **'PKI Certificate'** as your authentication method. GEOAxIS will verify the certificates loaded on your browser.

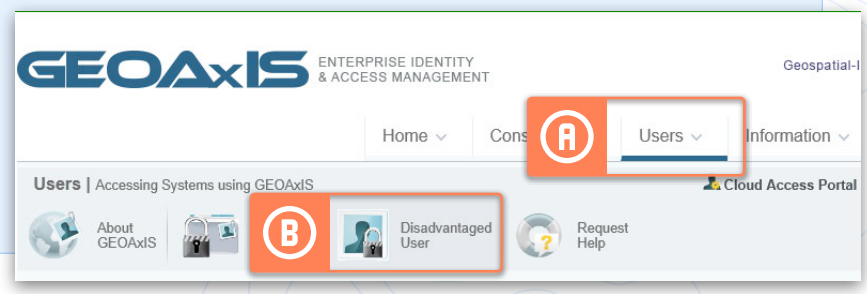
Choose your certificate and continue.

Step 2: Create Account

Select **'Users' -> 'Disadvantaged User'** to create your account. Complete the requested information: password, account duration, justification, and security questions:

Duration = 1 Year

Justification = *"I actively use a device that does not support hard token credentials"*



Step 3: Update User Profile

Select **'My Account' -> 'Update My Profile'** and provide your email and other required information.

Remember to write down your temporary password before you continue. This will make it easier to access the GEOINT App Store for the first time.

Install Touch GIS From the GEOINT App Store

Step 1:

- Visit **https://apps.nga.mil** on your iPhone or iPad
- Click the **'View'** button to download app
- Tap **'Sign In'**

Step 2:

- "How would you like to login?" **Select "GEOaxis"**
- Enter your GEOAxIS Disadvantaged User Account (DUA) Username and Password
- Tap **'Log In'**

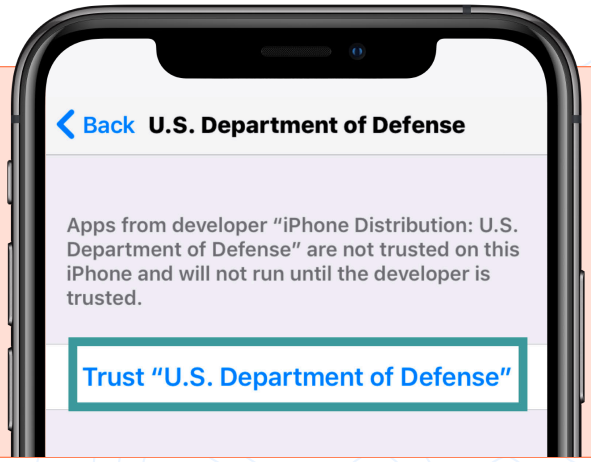
Step 3:

- Click the **'Install'** button to download the GEOINT App Store app
- Return to your home screen and wait for the app to finish installing
- ***Do not open the GEOINT app until after step 4***

Step 4:

You must establish trust for DoD apps
before opening the GEOINT App Store

To do this, go to:
↳ Settings App
↳ General
↳ Profiles and Device Management
↳ U.S. Department of Defense
↳ **Tap: *'Trust this app developer'***



Step 5:

- Open the GEOINT App Store app on your device
- Login with your DUA Username/Password
- **Search for Touch GIS and Install the app**
- Open Touch GIS and login with your DUA Username/Password

Frequently Asked Questions

Q: Can I share this document with other people in my organization?

A: Yes! Please share this document with others in your organization that could benefit from using Touch GIS.

Q: Should I be concerned about requesting access to a military website?

A: No, the apps available in the GEOINT App Store are all UNCLASSIFIED. If you are concerned about this please speak to your IT manager.

Q: Are there any hidden costs to using Touch GIS?

A: No, you are free to use all the features of the app. You will also receive any app updates, as long as you maintain the needed credentials.

Q: I don’t have the required credentials. How can I get Touch GIS?

A: If you don’t have the required credentials you will not be able to install the Touch GIS app at no cost. You can use the public version of Touch GIS, which is available for an annual license fee. Learn more at www.touchgis.app

Q: I have the required credentials, but am struggling to get access to the app.

A: We’ll do our best to help you. Please contact us: support@touchgis.app

Additional Resources

Touch GIS Links:

- Website: **www.touchgis.app**
- User Guide: **docs.touchgis.app**
- Support Email: **support@touchgis.app**

GEOINT Links:

- App Store: **apps.nga.mil**
- Touch GIS: **apps.nga.mil/Home/Store/Detail/iOS/Touch-GIS**
- GEOINT Support: **apps.nga.mil/Contact**

IGAPP
Innovative GEOINT Application Provider Program
GEOINT APP STORE