

# Getting Started with Weather aWhere

Weather aWhere™ provides localized weather data and field-level agronomic intelligence across the agriculture value chain—from research centers to agriculture businesses—even into the hands of small holder farmers. In addition to the agronomic insights, users can access observed historical data, real-time data and 8-day forecasts.

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*To start accessing the Weather aWhere data set, you must first obtain your username, password and API credentials. The following slides will guide you through this process.*

# Access the Developer Portal

## Steps 1 & 2

**Step 1:** Start here at the aWhere developer site (doesn't mean you need to have programming skills!)

**Bookmark:** Be sure to create a Bookmark for this site in your browser

**Fun Fact:** These navigation bars contain a ton of informative and useful (e.g. how you can help shape the future farming without getting dirt under your fingernails!)

The screenshot shows the aWhere Developer Portal website. The browser address bar displays <http://developer.awhere.com/>. The website header includes the aWhere logo, navigation links for "Our APIs", "Easy Integration", "Community", and "Help", a search bar, and a "Sign In" button. A "Get Started" button is prominently displayed. Below the header, a large banner features a background image of a rural landscape with a grid overlay and location pins. A code editor window is overlaid on the banner, displaying the following JSON data:

```
1 GET /Agriculture_Intelligence
2
3
4 {
5
6   introduction : "aWhere's Ag Intelligence platform lets you
7                 incorporate hyperlocal, field-level weather
8                 and agronomic insights for any farming, food
9                 security, or commodities application.",
10
11   links : ["What Makes Us Different",
12           "RESTful API Docs",
13           "Making Integration Easy"],
14
15   trial : ["Get Started with a Free Trial"]
16 }
17
```

At the bottom of the banner, there is a yellow bar with the text "Start a Free Trial of our Weather & Agronomics APIs" and a "Get Started >" button. A blue callout box points to this button with the text: "Step 2: Clicking on 'Get Started' will take you to the site to begin your registration".

**Step 2:** Clicking on "Get Started" will take you to the site to begin your registration

# Create Your Username and Password

## Step 3 – Create an Account

developer.awhere.com/api/get-started

Apps | edu Program | GDA | FoundMyFitness | Eloquent Entrepreneur | Sign Into the Commu | africanbib.biz | Bridges: The Best Back | Anonymous VPN Serv | Other bookmarks

**aWhere**  
Developer Community

Our APIs | Easy Integration | Community | Help

Search

Sign In | Get Started >

### Our APIs

- Overview
- Get Started
- About Our Data >
- Conventions
- Authentication
- API Reference >
- How-To Guides >
- Release Notes >

## Get Started with aWhere APIs

You can start working with aWhere's APIs in just a couple minutes by getting your free API Keys and reviewing the documentation. When you start with your aWhere trial, you'll have full global access to all our APIs for 30 days.

### Step 1: Sign Into the Community

To get the most out of our community and start your free trial, [create an account](#) and/or [sign in](#). If you fill out your profile, it'll introduce you to fellow developers and let our support team know a bit more about you so we can help faster.

Whenever you are signed into the community, you'll be able to post questions and comments in the [forum](#). You can edit your profile, reset your password, or create and retrieve your API keys from the "My Account" menu at the top right corner.

My Account

- Edit Profile
- Send a Private Message
- My Messages
- My Apps

[Create an Account >](#) [Sign In >](#)

3a

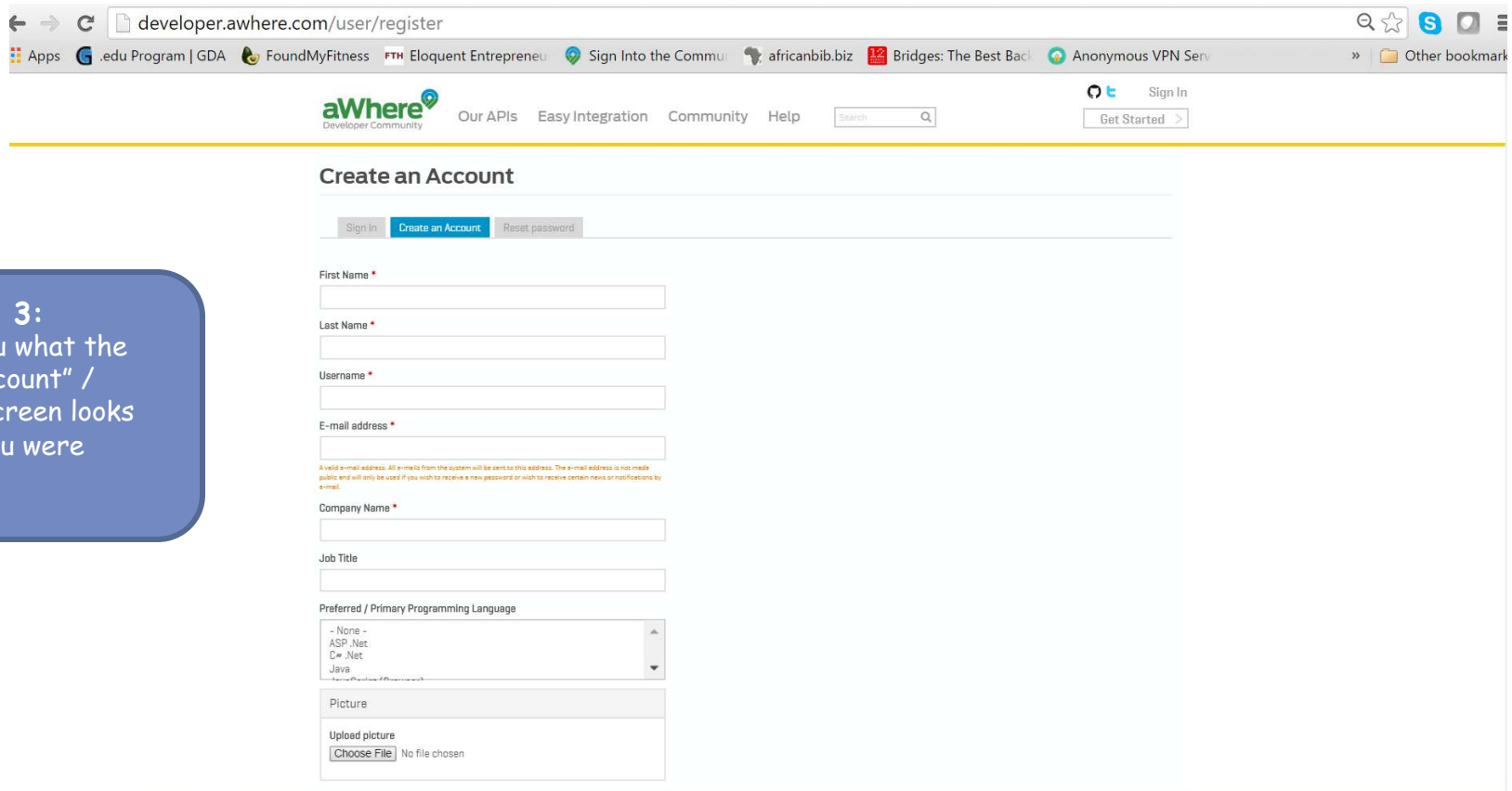
**Step 3:** a) Click on the "Create an Account" button.

b) However, if you have registered and already have a username and password, then choose the sign in button

3b

# Create Your Username and Password

## Step 3 – Create an Account (continued)



The screenshot shows a web browser at the URL `developer.awhere.com/user/register`. The page features the aWhere logo and navigation links: "Our APIs", "Easy Integration", "Community", and "Help". A search bar and a "Sign In" button are also visible. The main heading is "Create an Account". Below this, there are three buttons: "Sign In", "Create an Account" (highlighted in blue), and "Reset password". The registration form includes the following fields:

- First Name \*
- Last Name \*
- Username \*
- E-mail address \*  
A valid e-mail address. All e-mails from the system will be sent to this address. The e-mail address is not made public and will only be used if you wish to receive a new password or wish to receive certain news or notifications by e-mail.
- Company Name \*
- Job Title
- Preferred / Primary Programming Language (dropdown menu with options: - None -, ASP .Net, C# .Net, Java)
- Picture (upload section with "Upload picture" and "Choose File" button, showing "No file chosen")

### Still on Step 3:

This shows you what the "Create an Account" / registration screen looks like, in case you were wondering! )

# Get Your API Key and Secret

## Step 4 – Sign in

The screenshot shows the login page for the aWhere Developer Community. The browser address bar displays 'developer.awhere.com/user/login'. The page header includes the aWhere logo, navigation links for 'Our APIs', 'Easy Integration', 'Community', and 'Help', a search bar, and a 'Sign In' button. The main heading is 'Sign Into the Community'. Below this, there are three buttons: 'Sign In', 'Create an Account', and 'Reset password'. The 'Sign In' button is highlighted. The form contains a 'Username' field with the placeholder 'yourusername@domain.something', a 'Password' field with a yellow highlight, and a 'Remember me' checkbox. A 'Sign In' button is located below the form. A blue callout box on the left says 'You created an account, now it is time to sign in to your account'. A blue callout box on the right says 'Step 4: Sign in to your account using the user name and password you created.' Below the form is a navigation bar with links for 'About', 'Our APIs', 'Integration', 'Community', 'Help', and 'You'. The footer contains contact information for aWhere Inc. Headquarters, including the phone number 303.279.9293 and the Colorado state logo.

developer.awhere.com/user/login

Apps .edu Program | GDA FoundMyFitness FTH Eloquent Entrepreneur Sign Into the Commu africanbib.biz Bridges: The Best Back Anonymous VPN Serv Other bookmark

aWhere Developer Community Our APIs Easy Integration Community Help Search Get Started

### Sign Into the Community

Sign In Create an Account Reset password

Username \*  
yourusername@domain.something

You can sign in with your assigned username.

Password \*  
.....

The password field is case sensitive.

Remember me

Sign In

About Our APIs Integration Community Help You  
Visit aWhere.com Get Started Sample Code Blog Community Q & A My Account  
@aWhereAPI About our Data Tutorials Events Service Alerts  
aWhere on GitHub API Documentation

About aWhere Our Solutions Contact aWhere Company Blog API Terms Privacy Policy 303.279.9293 aWhere Inc. Headquarters Colorado Empowered by Data

You created an account, now it is time to sign in to your account

Step 4: Sign in to your account using the user name and password you created.

After signing in, you will be brought to the user profile page and step 5 on the next screen

# Getting your API Key and Secret

## Step 5 – Profile Review and Add a New App

The screenshot shows the aWhere developer profile page at `developer.awhere.com/user`. The page is divided into several sections:

- My Profile:** A sidebar menu with options: Edit Profile, Send a Private Message, My Messages, and My Apps.
- Profile Card:** A placeholder for a profile picture and a progress bar for "With Companies". A notification states: "Filling out Preferred / Primary Programming Language will bring your profile to 100% complete".
- About:** Fields for Name, Member Since, and Last Access. Placeholder text includes: "Your name will show here", "This will reflect your registration date, e.g. 20 June 2016", and "if this is your first time access, dates will be the same".
- Skills & Organization Details:** Fields for Job Title, Company Name, Preferred / Primary Programming Language, and a note: "carried over from registration page, if entered".
- Footer:** A navigation bar with links for About, Our APIs, Integration, Community, Help, and You.

Annotations:

- A blue callout box on the left says: "(Note: Your screen will display your info rather than the sample info)".
- A blue callout box on the right says: "Step 5: You will have noticed on previous screens there were options to create an app or see 'my apps'—but until you have registered, that function doesn't function. **But now—it does!** Just click this '+add new app' button". A blue arrow points from this box to the "+ Add a new app" button at the bottom right of the profile card.

# Getting your API Key and Secret

## Step 6 – Create your free trial app (used to get key & secret)

Step 6: Create your 30-day free trial app! To get to the next step (API Key and Secret) you need to create an "App".

After giving your app a name, click this "create app" button and move on to the next screen

App Name: I am sure you know this, but create an "App" name that works for you

This "App" communicates with the security component of aWhere's information platform and validates your 30-day trial usage.

About  
Visit aWhere.com  
@aWhereAPI  
aWhere on GitHub

Our APIs  
Get Started  
About our Data  
API Documentation

Integration  
Sample Code  
Tutorials

Community  
Blog  
Events

Help  
Community Q & A  
Service Alerts

You  
My Account  
My Apps

About aWhere  
Our Solutions  
Contact aWhere

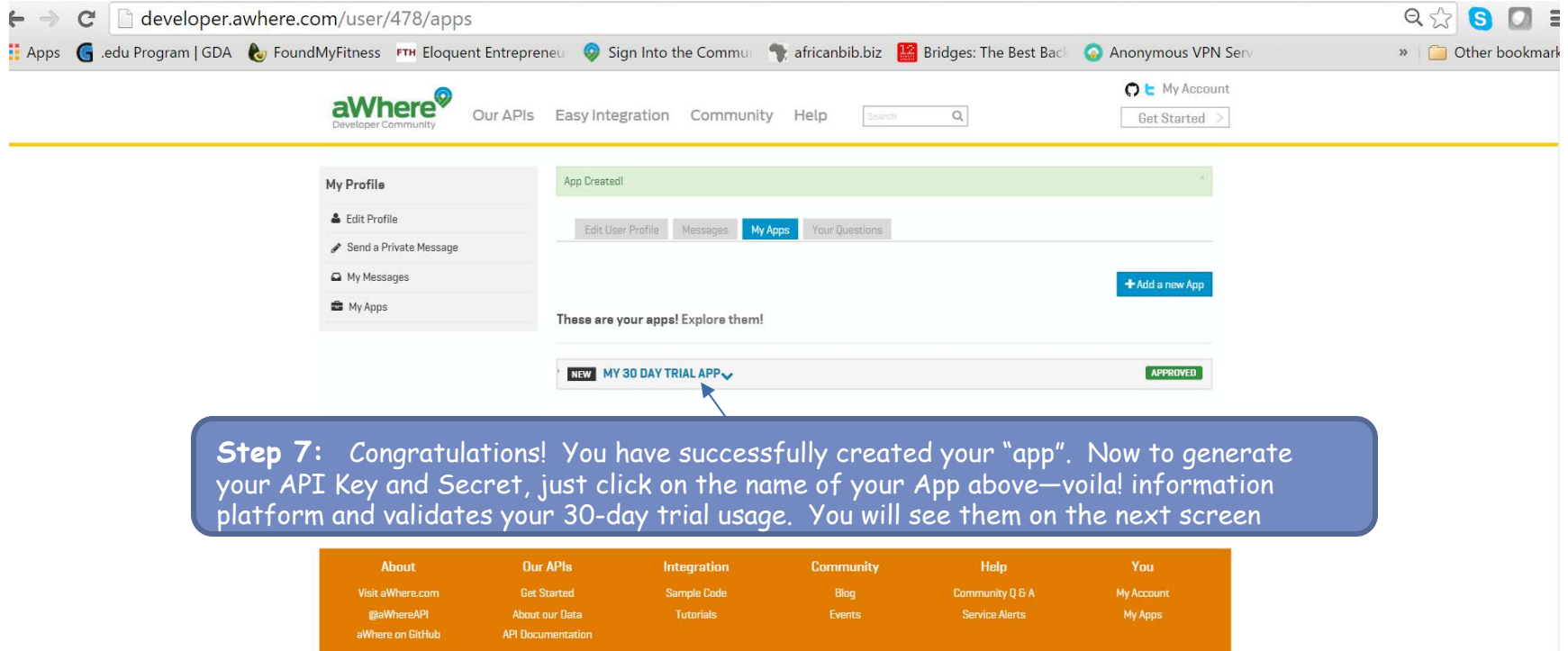
Company Blog  
API Terms  
Privacy Policy

303.279.9293  
aWhere Inc. Headquarters

Colorado

# Getting your API Key and Secret

## Step 7 – Generate your API Key and Secret



The screenshot shows the aWhere developer portal at the URL `developer.awhere.com/user/478/apps`. The page features a navigation bar with the aWhere logo, links for "Our APIs", "Easy Integration", "Community", and "Help", a search bar, and a "My Account" section with a "Get Started" button. On the left, there is a "My Profile" sidebar with options like "Edit Profile", "Send a Private Message", "My Messages", and "My Apps". The main content area displays a green notification "App Created!" and a "My Apps" tab. Below this, a blue button says "+ Add a new App". A section titled "These are your apps! Explore them!" contains a single app entry: "NEW MY 30 DAY TRIAL APP" with a dropdown arrow and an "APPROVED" status. A blue callout box points to the app name with the text: "Step 7: Congratulations! You have successfully created your 'app'. Now to generate your API Key and Secret, just click on the name of your App above—voila! information platform and validates your 30-day trial usage. You will see them on the next screen". The footer includes a navigation menu with categories: "About" (Visit aWhere.com, @aWhereAPI, aWhere on GitHub), "Our APIs" (Get Started, About our Data, API Documentation), "Integration" (Sample Code, Tutorials), "Community" (Blog, Events), "Help" (Community Q & A, Service Alerts), and "You" (My Account, My Apps). The footer also contains contact information: "About aWhere Our Solutions Contact aWhere", "Company Blog API Terms Privacy Policy", the phone number "303.279.9293", and "aWhere Inc. Headquarters". Logos for "Colorado" and "aWhere The Power of Agricultural Intelligence" are also present.

**Step 7:** Congratulations! You have successfully created your "app". Now to generate your API Key and Secret, just click on the name of your App above—voila! information platform and validates your 30-day trial usage. You will see them on the next screen



# Finished!

(You now have your data access credentials)

developer.awhere.com/user/478/apps

My Account

Get Started

My Profile

My Apps

These are your apps! Explore them!

Add a new App

**No More Steps in this Section!** This screen shows an example of your API Key (consumer key) and Secret (consumer secret).

(While A LOT of letters and numbers, no need to write down the key and secret. You can review when you sign in)

## Next Exercise!

Download meteorological data using your favorite browser and the aWhere Weather Data Acquisition App, or work directly with suite of tools within the API.

**Hint:** Be sure to save the save the Weather Acquisition URL link in your browser by Bookmarking the page.

About | Our APIs | Integration | Community | Help | You

Visit aWhere.com | Get Started | Sample Code | Blog | Community Q & A | My Account

@WhereAPI | About our Data | Tutorials | Events | Service Alerts | My Apps

aWhere on GitHub | API Documentation

# The aWhere Weather Data Acquisition App

**Web Site URL:** <https://aqueous-fjord-58270.herokuapp.com/>

## New Exercise!

**Step 1:** Use this URL link to download meteorological data using your favorite browser and the aWhere Weather Data Acquisition App.

**Hint:** Be sure to save the save the Weather Acquisition URL link in your browser by Bookmarking the page.

## Get Weather Data for Single Location

API Key

Example (fake): D4zX7C7fYgEKgGawSAiOIbtaPOxDK

API Secret

Example (fake): c3ghw3T8DSoolG

Latitude

12.6

Longitude

-8.0

Enter a starting date for historical data (if using Firefox, format as MM-YYYY-DD). If choosing "Forecast", leave this field blank

mm/dd/yyyy

Enter an ending date for historical data (if using Firefox, format as MM-YYYY-DD). If choosing "Forecast", leave this field blank

mm/dd/yyyy

Get Historical Data

Get Forecast Data

Get Historical PET Data

**Step 2:** Copy/Paste your API Key and Secret from the aWhere Developer APP to these boxes.

Ensure there are no spaces before or after the Key and Secret.

**Step 3:** Enter the latitude and longitude of interest into these boxes.

Be sure to use decimal degrees for Lat/Long.

**Step 4:** Enter the beginning and ending dates of interest into these boxes.

Be sure to use decimal degrees for Lat/Long.

**Step 5:** Get data of interest by clicking on one of these boxes.

# Warnings for aWhere Weather Data Acquisition App

- Free APP is good for:
  - Only 30 days
  - 120 days of continuous data
  - You can do multiple downloads with subsequent dates
  - Contact aWhere, Inc. (<http://www.ewhere.com/>) or GDA (<http://globaldevelopmentanalytics.org/>) for further information
- Ensure there are no spaces before or after your Key and Secret
- See format instructions for starting and ending dates
- New to this acquisition APP is the ability to download potential evapotranspiration (PET) data