BigParser Guide

What is BigParser?

We're glad you are here! BigParser is the Community of Grid Creators. Grid Creators are people who are helping make data more open and accessible for all.

It's powered by a digital brain called "Blue". Blue sifts through millions of pieces of data and keeps it connected — so you can get things done.

Basics

The BigParser Community

The community is comprised of the following people:

- 👩‍💼 Grid Creators
- 👥 Contributors
- 👥 Mentors
- 🤖 Community Leaders

How it works: A Grid Creator chooses a topic to create a Grid for. E.g. Drones. Mentors help the Grid Creator define the Model for the Grid. Anyone can request a Grid Creators to add them as a contributor. Community Leaders help support and govern the community.

Using BigParser

When you create an account and login to BigParser you will see a typical screen as shown below:

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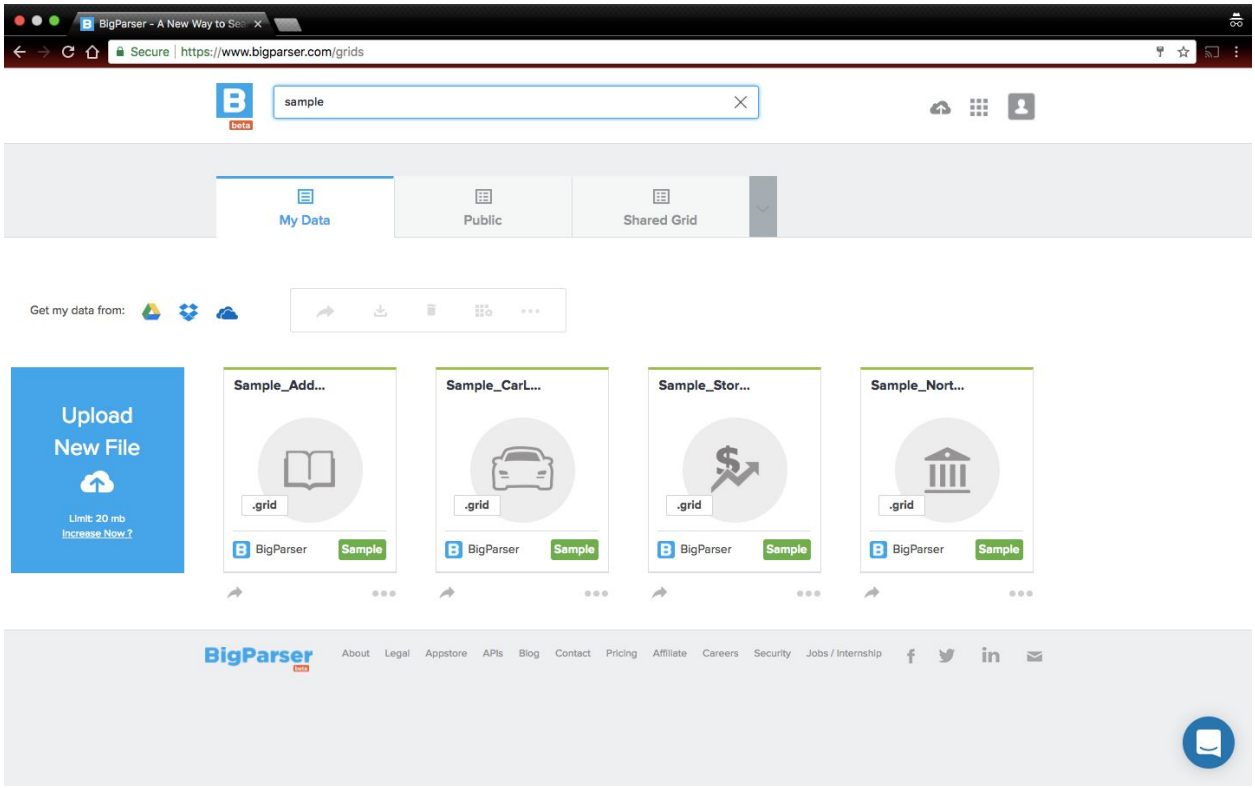

And here are the main components we'll break down for you, piece-by-piece:

- My Data
- Grid
- Apps
- Shared
- Public

My Data

My Data is a place to bring in your data from anywhere, so that **Blue** can convert it into a Grid.

What does Blue do to my files ?

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Blue takes each file you add and parses it into a Grid, once Blue is done parsing, your file is marked with a thin green line as show below:

< show two icons of cards side by side, one on left that is not parsed without the green bar, one that is parsed with the green bar on the right side> <write below the card > Not Yet Parsed | Parsed

Grid

Grid is where things are in order. Unlike, a web page which does not follow any specific pattern, Grids always follow a unique pattern. It's a pattern that Blue likes and understands really well.

What is the pattern of a Grid?

A Grid is composed of rows and columns of data. A column always has a Header that defines what each column contains.

<show image of a Grid which has labels on it showing Header, Row, Column.

Is there a Limit?

A Grid can be of any size. It can have any number of rows and columns. However, the size of Grids that you can create depends on the nature of your BigParser Account.

(Icon) *Already have a BigParser Account ? View your limit on www.bigparser.com/pricing*

You can always increase the limit by upgrading your BigParser account.

Does my file need to be in a specific format ?

BigParser can parse multiple files formats including CSV, TXT, XLS, PDF and more.

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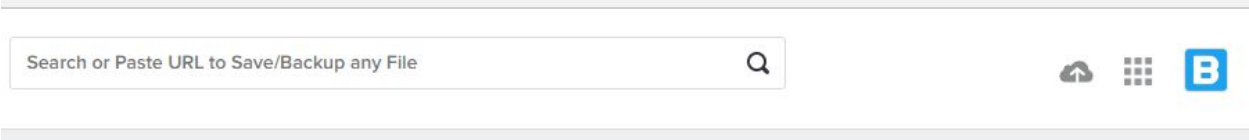
Apps

BigParser apps can be found in the BigParser app store. These app help you do more with your grids, like Sharing, Plugging in data on your site, importing data in from various cloud drives like Google, Dropbox and OneDrive. You can find available apps at www.bigparser.com/apps

You can view all available apps by clicking on the Apps icon.



There are a few different types of Apps available to the BigParser community, as explained below.

Core Apps

These apps are part of the core BigParser.com experience. There are 3 popular apps Grids, Share and Plug.

<show apps Grids, Share, Plug> icons and below that words 3 Powerful Apps

Grids is an app that allows you to browse and search grids using any device.

Share is an app that allows you to share parts of your grid or the entire grid.

Plug is an app that allows you to embed your grid within your page or app.

Connector Apps

Connector Apps allow you to easily connect to any drive or source where your data can be imported from.

What are the sources i can connect to?

You can bring in your data from popular cloud file sharing systems like Google Drive, Dropbox and OneDrive (Office 365).

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<App icons from our app store> Google | Dropbox | Office

With text labels below

(icon) Need a different connector app ? Pre-Order (links to appstore)

How many apps can i install ?

The number of apps you can install in your account depends on the nature of your BigParser Account.

(Icon) Already have a BigParser Account ? View your app limit on www.bigparser.com/pricing

You can always increase the number of apps you can install by upgrading your BigParser account.

Shared

You can share your Grids with others. Blue keeps track of all your Shared grids, by first organizing them under Shared.

<Show a screen of shared tab> label (Grid Shared by me with Sam), Grid Shared by Sam with me.

Shared Grids include:

(icon) Grids that you make Public

(icon) Grids that you share Privately with others using their email

(icon) Grids that others share with you Privately

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Public

This is where you can find all grids that have been made public by anyone in the Community.

You can search for Grids by Grid Name, Description or the Name of the Person who made the Grid public.

<Show Global search for Public tab here>

You can favorite grids you like and support the good work done by Grid Creators. To favorite a grid simply click on the Heart (Heart icon) icon.

To view a Public Grid simply tap or click on it to open the Grid.

Ask Blue

Blue is always there to answer any questions for you. If any of your questions are still not answered you can continue working or simply ask Blue by clicking on the Chat icon or use an **Ask Blue** device.

Getting started for first time users

Now that you know what BigParser is, let's show you how you can start using BigParser. You will need to start with creating your BigParser account. You can

do this in two different ways, we have shown both the ways you can sign-up. Lets go!

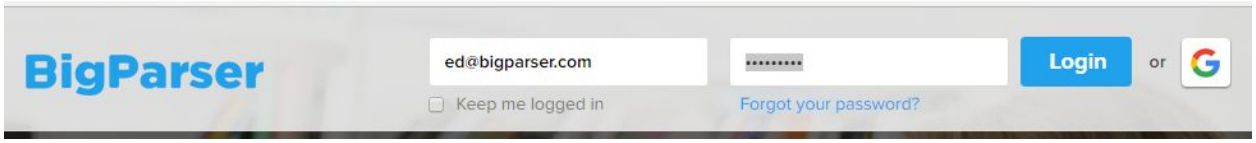
Sign-up using your email

Simply use the sign-up form at www.bigparser.com and enter your details as show below.

<Show image of the sign-up form> with option to enter Full Name, Email, Phone, etc and check the box>

Sign-up using your Google Account

Simply click on the G icon (Login with Google button) and then follow the steps:



Complete your profile set-up

Now that you have logged in, let’s start with personalizing the avatar.

Tap on the blank avatar icon on the top right corner.<Show avatar dropdown> and then tap on the Settings option in the Menu.

This will bring your to the profile screen, where you can upload your Avatar photo.

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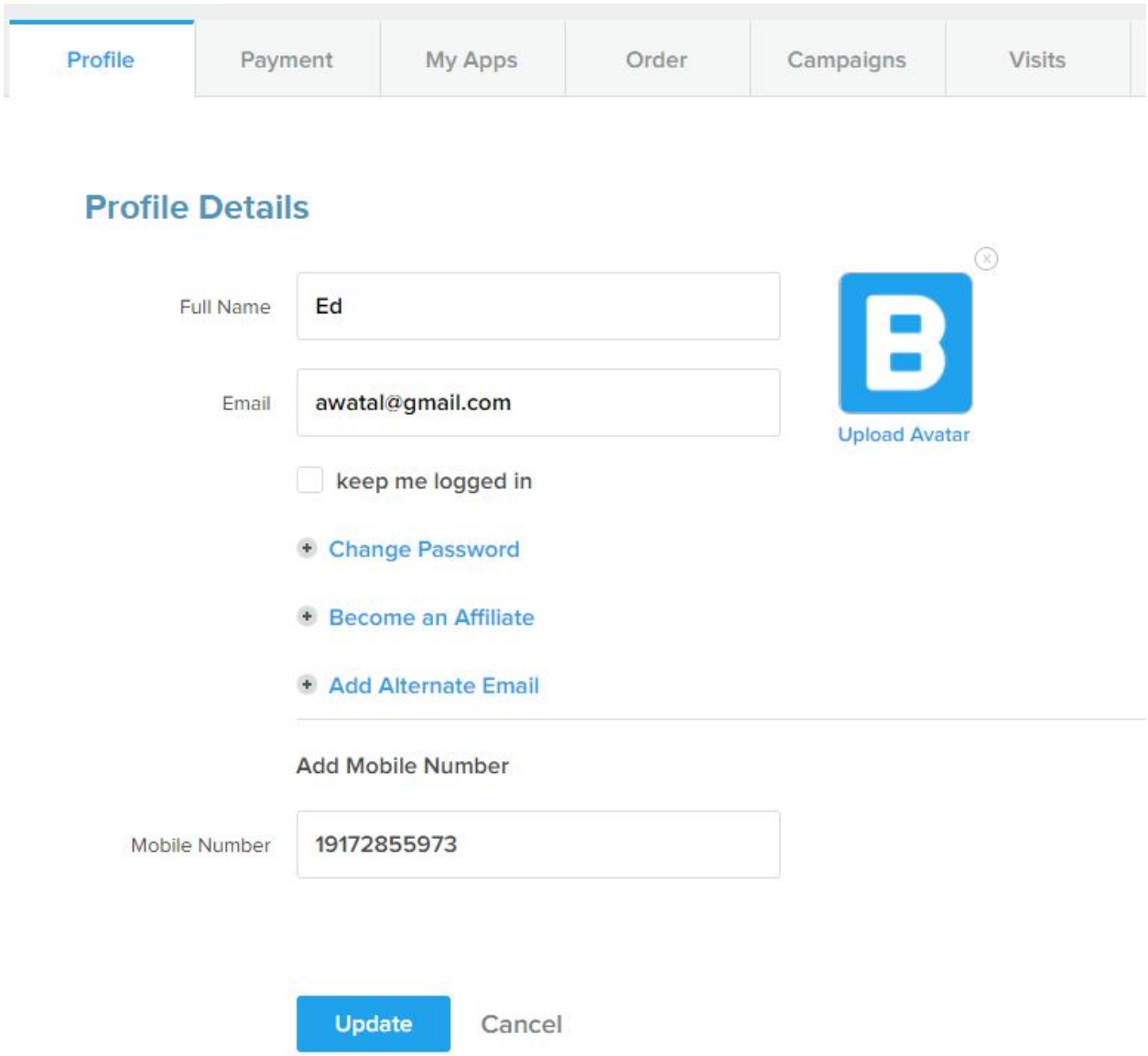

Install Connector Apps

Since you know all about BigParser apps, we can simply get started by the steps on installing them within your BigParser account.

Install once, that’s it!

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BigParser connector apps are installed in your account, not on your device. So once you install them you can access them from any of your devices, using your BigParser account.

To install an app simply click on the Install button

<show app icon inside the app store with the mouse clicking on the install button >

Then login using your account details for the connector (Google, Dropbox or Office 365)

Then click on the Allow button to give BigParser access to your data source.

<show allow screen>

Then select preferences for the account and click ok.

Ask Blue

You are now all set to start using BigParser.

Go to Using BigParser Or Ask Blue

> We are here to help you and make your BigParser experience awesome. Reach out to us if you need any help!

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Using BigParser

Now that you have created your BigParser account. Let us show you how to use the different BigParser apps.

Grids App

The Girds app allows you to view and search grids within BigParser.com. The Grids app is simply installed in your account and works across all Desktop, Tablet and Mobile devices.

You can search across the entire Grid or inside 1 or more columns in the Grid.

Global Search

Simply click inside the search box, type in your keywords and hit return.

The global search allows you to search across the entire grid, which could be millions of rows and hundreds of columns.

Column Search

Every column of the Grid is searchable. Simply click inside the search box for any column. Type in the keywords and hit return.

<Show example of Column Search : three images of the movies grid>

<Cursor inside Column Search : Year Column : “Tap inside Column Search”>

< Keywords typed in Column Search: 201 : “Type in Words or Numbers” >

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< Show results : Hit return to see matches >

Filters

You can save your frequently used Global or Column searches as Filters.

A Filter is a saved search.

<icon> Tap the Save Filter icon to save your current search

<icon> Tap the View Filters icon to View a list of all your Filters.

Share app

Share app provides you controls so you can keep your data private and secure or make it public.

Sharing a grid

You can launch the share app from multiple places to quickly share your grid.

<show cut outs of screens same size as cards>

<My Data highlight the Share button, Grids highlight the share button, Mobile Right Menu highlight the Share button>

<text below: From My Data, From the Grids App, via your Mobile >

Sharing a Filter

To Share a Filter simply view the Filter in the Grid and then launch the share app.

<Show two card size images : Switching Filter in filters dropdown, then Clicking on Share>

Or

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You can select the Filter you want to Share inside the share app.

<Show two card size images: Launching the Share app, Then selecting Filters from dropdown>

Hiding Columns and Sheets

You can also Hide columns or entire Sheets that you do not wish to share with others.

<Show card size images : Show Hide columns dropdown, Select Columns to Hide, click on Done >

Then click on the button in the Share App to share the Grid.

<Show screenshot of that section of the page zoomed in >

Permissions

You can set a Grid to Public, Unlisted or Private permissions.

(icon) Public Grids : These can be accessed by anyone on the web and are also listed for the community to find under www.bigparser.com/Public.

(icon) Unlisted Grids : These can be accessed by someone as long as they have the URL for the Grid. The viewer does not require login to view the grid.

(icon) Private Grids : These can be accessed only by people who you explicitly share with using their email address. The viewer can see these grids only when they are logged in.

Copy URL

You can Copy a URL of a Grid using the Copy URL button in the share app.

<Show screenshot and highlight the Copy URL button>

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NOTE: Some browsers, devices may prevent this button from working. Please select the entire text and use the native copy feature of the browser or device to copy the URL.

More Settings

You can prevent others from Downloading, Copying or Sharing the grid further with others.

To do this simply use the appropriate switch:

<

NOTE: these setting changes will be active only if you click on the Share button

Overwrite / Create New

You can share the Same Grid / Filter with different Settings and Hiding Different Columns with the same or different people. Each Time you Share you have the option to Modify (Overwrite) the existing Share or Create a New Share.

You can change the Name of your Shared grid each time, if you do not wish to overwrite an existing Share.

<Show card size images: Create New / Overwrite, Share Name, Change Share Name>

Plug app

Share app provides you controls so you can keep your data private and secure or make it public.

Sharing a grid

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You can launch the share app from multiple places to quickly share your grid.

Google app

Share app provides you controls so you can keep your data private and secure or make it public.

Sharing a grid

You can launch the share app from multiple places to quickly share your grid.

Dropbox app

Share app provides you controls so you can keep your data private and secure or make it public.

Sharing a grid

You can launch the share app from multiple places to quickly share your grid.

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Getting Started for Grid Creators

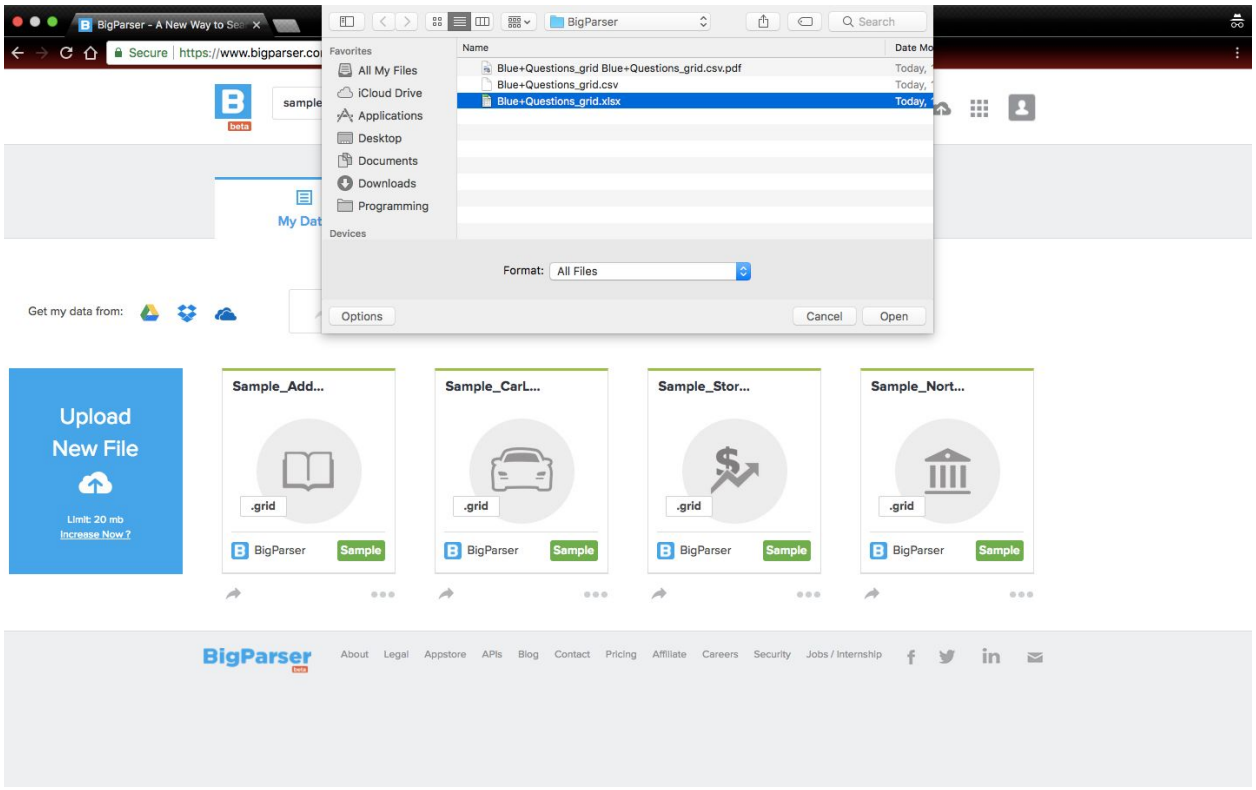
Now that you have become familiar with Using BigParser, let us show you how to create a grid.

Uploading a Grid

There are currently four supported file types (Excel, Google Sheets, CSV, and PDF) that can be converted into a grid.

Excel to Grid

To convert an excel file into a grid click the *Upload New File* button, select your excel file, and click open. If there is a green bar over your file, the file has successfully been converted.



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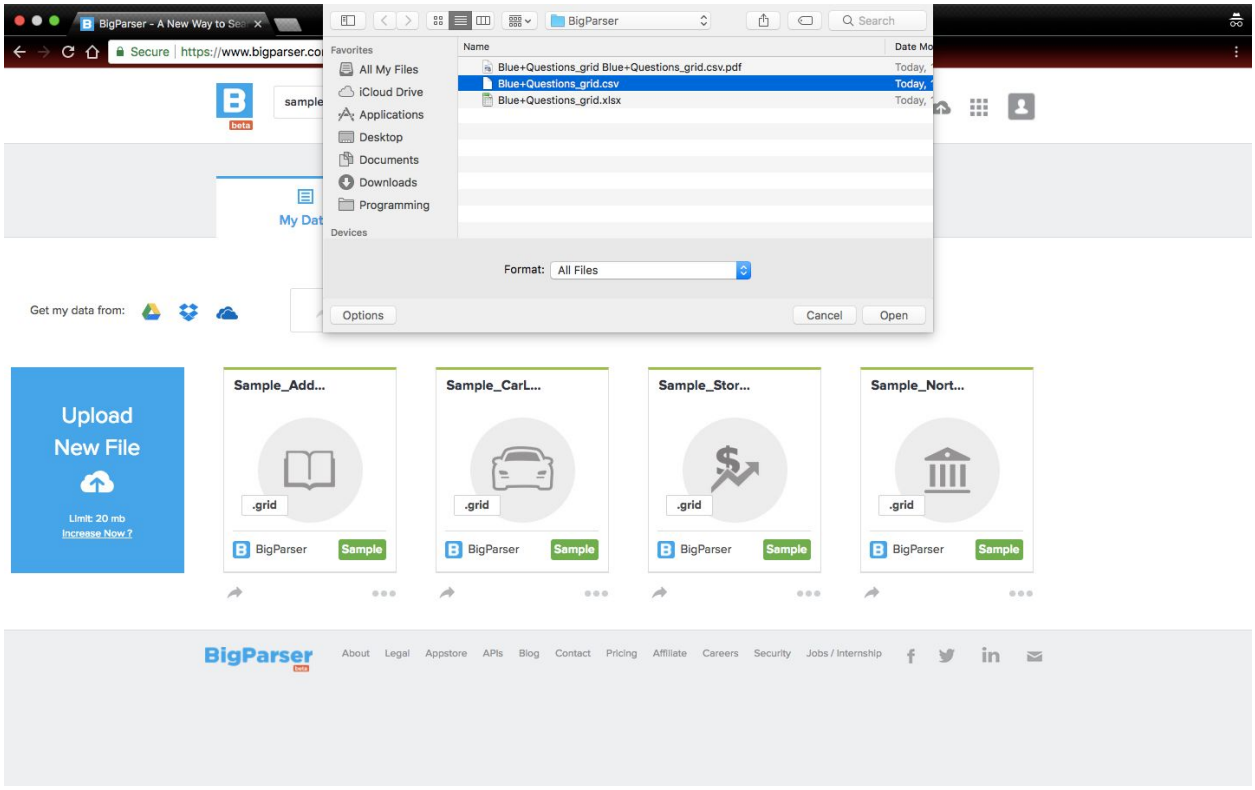
CSV to Grid

To convert an CSV file into a grid click the *Upload New File* button, select your CSV file, and click open. If there is a green bar over your file, the file has successfully been converted.



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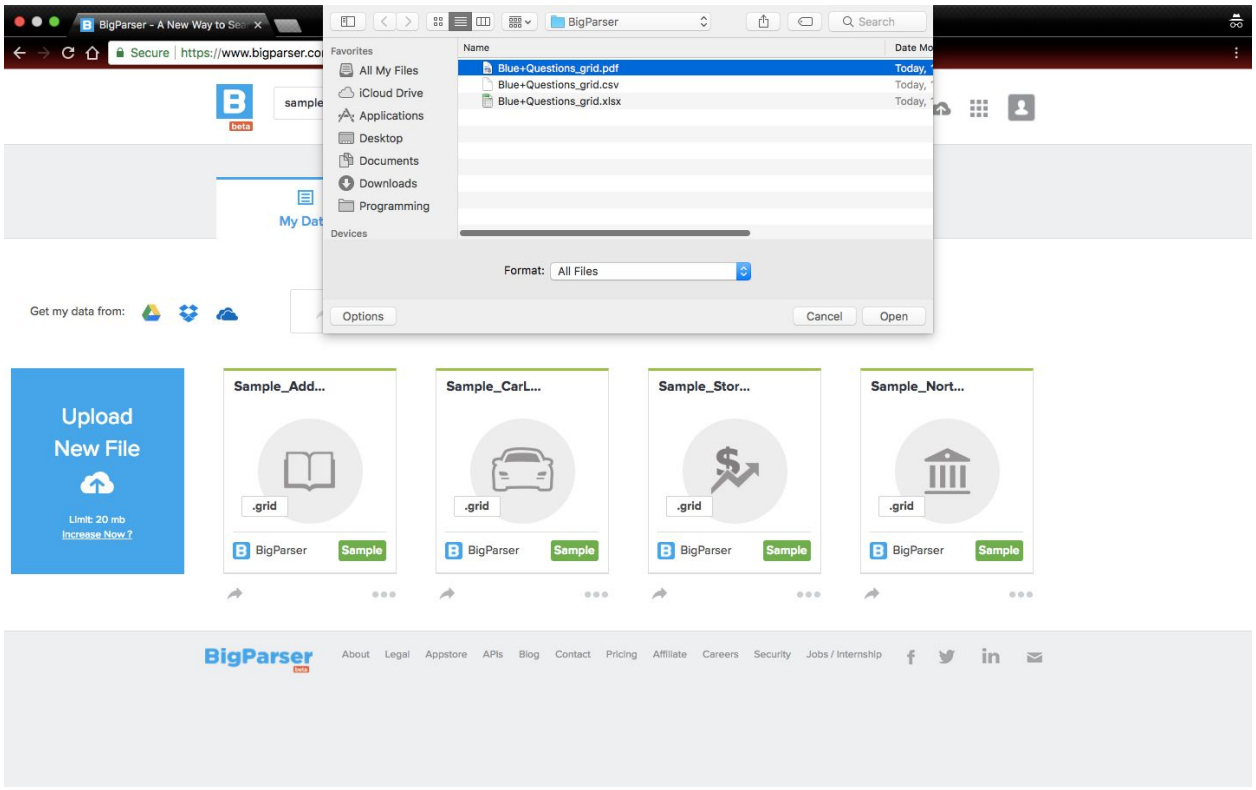
PDF to Grid

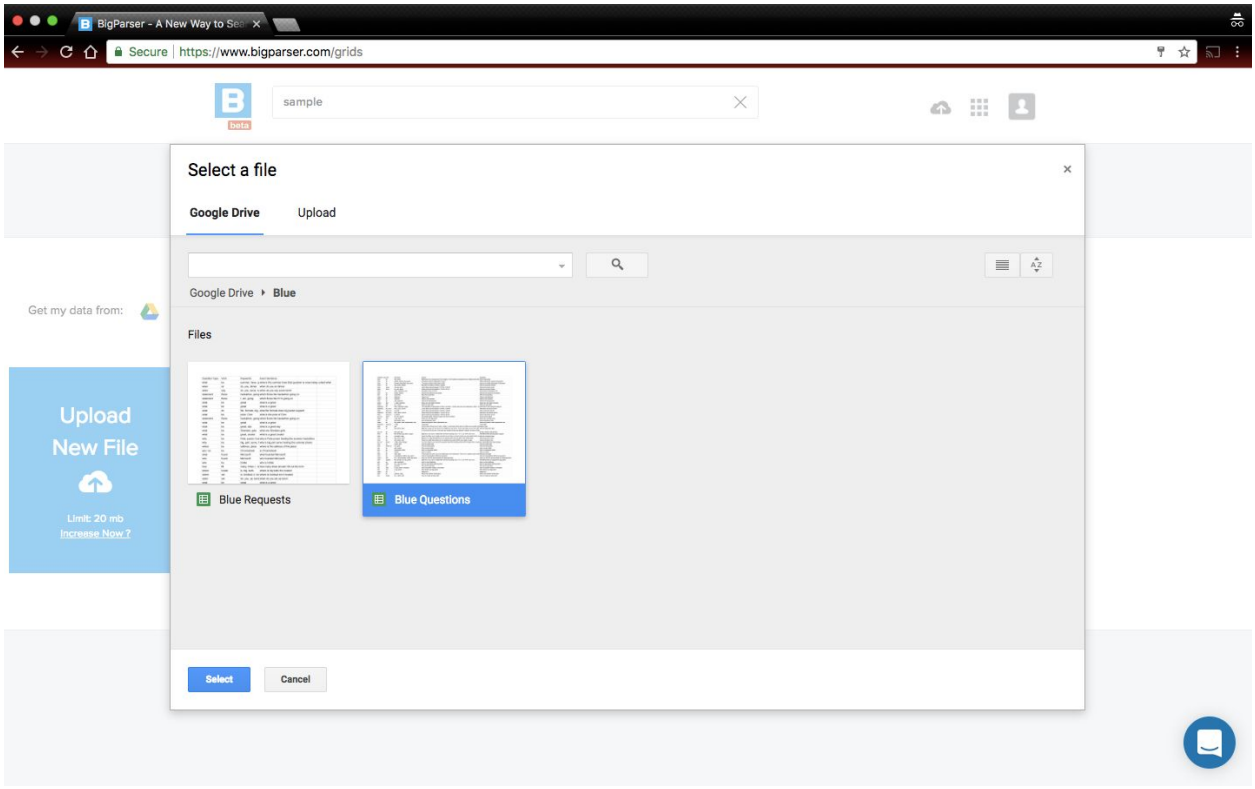
To convert an CSV file into a grid click the *Upload New File* button, select your PDF file, and click open. If there is a green bar over your file, the file has successfully been converted.



Google Sheets to Grid

To convert an Google Sheets file into a grid click on the Google Drive icon, located above the Upload New File button. If prompted to login, login with your google account and continue. Click *View Recent Files* or *Search for Files* to access your file. Select your file a and click select. If there is a green bar over

your file, the file has successfully been converted.



Naming a Grid

It is important for each grid to have a clear, specific name, along with a coherent description of its contents. In many cases, this is the only content that people will view before either viewing your grid or moving on to the next one. If you want to publish a grid to the public tab, you must have both a name and description, and follow the following guidelines

Select a Name

It is important that each grid is named in a concise and specific manner. For example Dogs “Dogs” would not be considered an acceptable grid name, as it is too broad. “Dog Breeds In North America,” is an acceptable name as it is specific to the grid and also concise.

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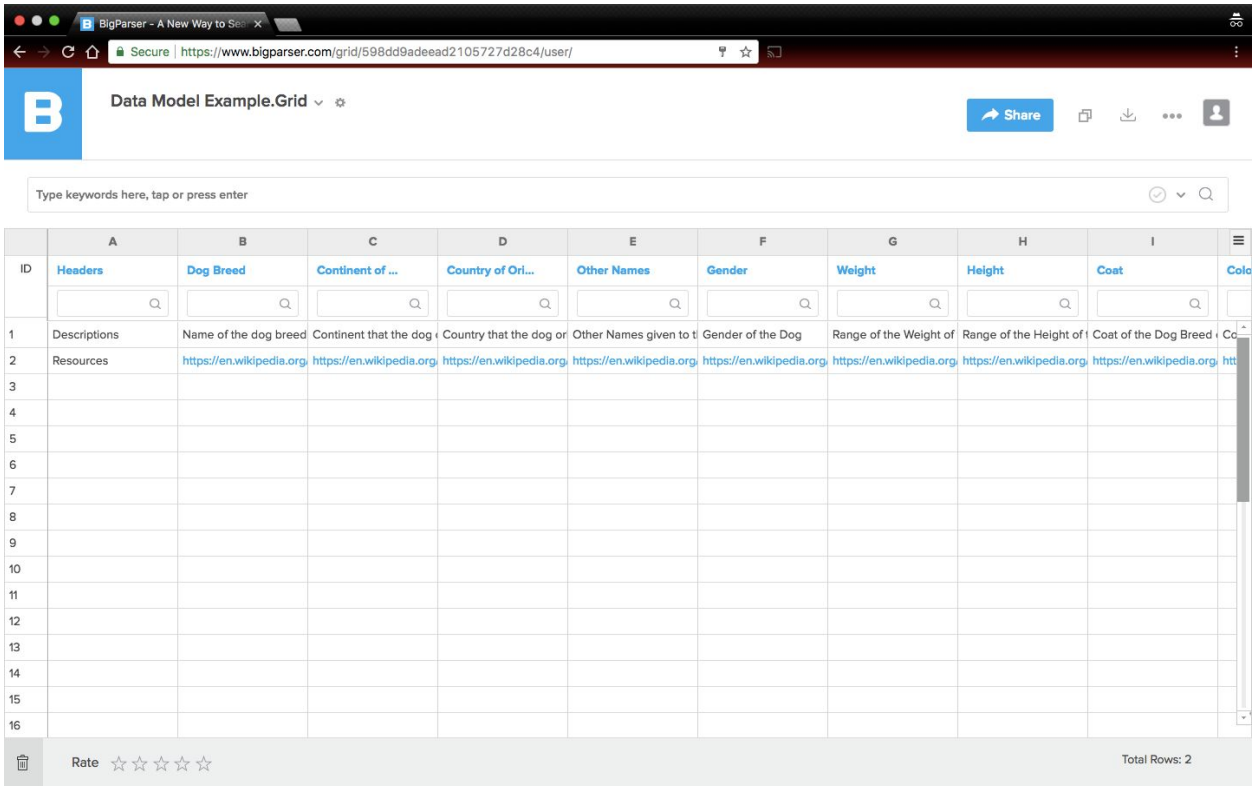
Give a Description

It is important that each grid is given a clear, coherent, and cohesive description. This description must efficiently encapsulate the content of the grid without being too excessive.

Data Model

Every Grid has a data model. The data model consists of three things: headers, descriptions, and resources. Submitting a data model is a necessary step for getting your grid published.



An example of a data model can be found here: https://www.bigparser.com/share/u/598dd9adeead2105727d28c4-1

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Header

A header defines what data falls under that column. In the above example Dog Breed is a header of a column which contains names of the dog breeds.

Description

The description defines what the data in each cell is. In the above example “Name of the Dog Breed” is the description of the data that falls under the Dog Breed header.

Resources

The resource is the source of the data that is placed in the grid. It is recommended that this source be found online, as this makes it easier for the data to be verified by a Community Leader. However if the source is not available online, do not leave the resource cell empty. Leaving this cell empty may cause your grid to be rejected by a Community Leader.

Publishing your Grid***waiting for release

Share with a Group***

Share with Everyone***

Getting Started for Skill Creators

Now that you are familiar with the concept of grids and know how to create them, let us show you how to apply this knowledge to creating skills for the alexa.

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Understanding Skills

What is a Skill

Alexa Skills allow an alexa to interpret your speech and perform an operation based on your command.

Grids and Skills

You can connect an Alexa skill to a grid, to allow an Alexa to access and utilize the data in your grid.

Types of Skills

There are two types of skills: Basic Skills and Power Skills.

What is a Basic Skill

Basic Skills are skills that require little to no programming to create and deploy. In many cases only a grid is required for the skill to be deployed. The most common Basic Skill is the Q&A Skill.

Q&A Skill

The Q&A Skill is one type of basic skill. A Grid Creator inputs questions and answers into a grid. The grid is converted into a Q&A Skill that allows users to ask an alexa those questions and receive an answer.

Other Basic Skills****Unsure

What is a Power Skill

Unlike Basic Skills that require little to no programming, Power Skills require knowledge of the BigParser Libraries and API, along with essential programming knowledge. Power Skills are suited towards complex grids that have multiple columns of data. By using a power skill you allow your skill to answer complex questions for your grid.

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What are Complex Questions

Unlike the Q&A grid, which has each question paired with one concrete answer, complex questions use the data in the grid to formulate a response. For example the question, *“What is the average rating of Now You See Me?,”* is a complex question for Movies.grid, whereas the question *“Is there a Movies.grid?,”* is a basic question.

Examples*****Unsure

Creating a Q&A Skill

A Q&A skill is one of the simplest and most common basic skill used to combine a grid with an alexa device.

Q&A Grid

There is only one thing necessary to create a Q&A skill: The Q&A grid, a grid of questions and answers.

Q&A Grid Data Model

There are only 5 headers in Q&A Grid data model: Question Type, Verb, Keywords, Answer, and Exact Question.

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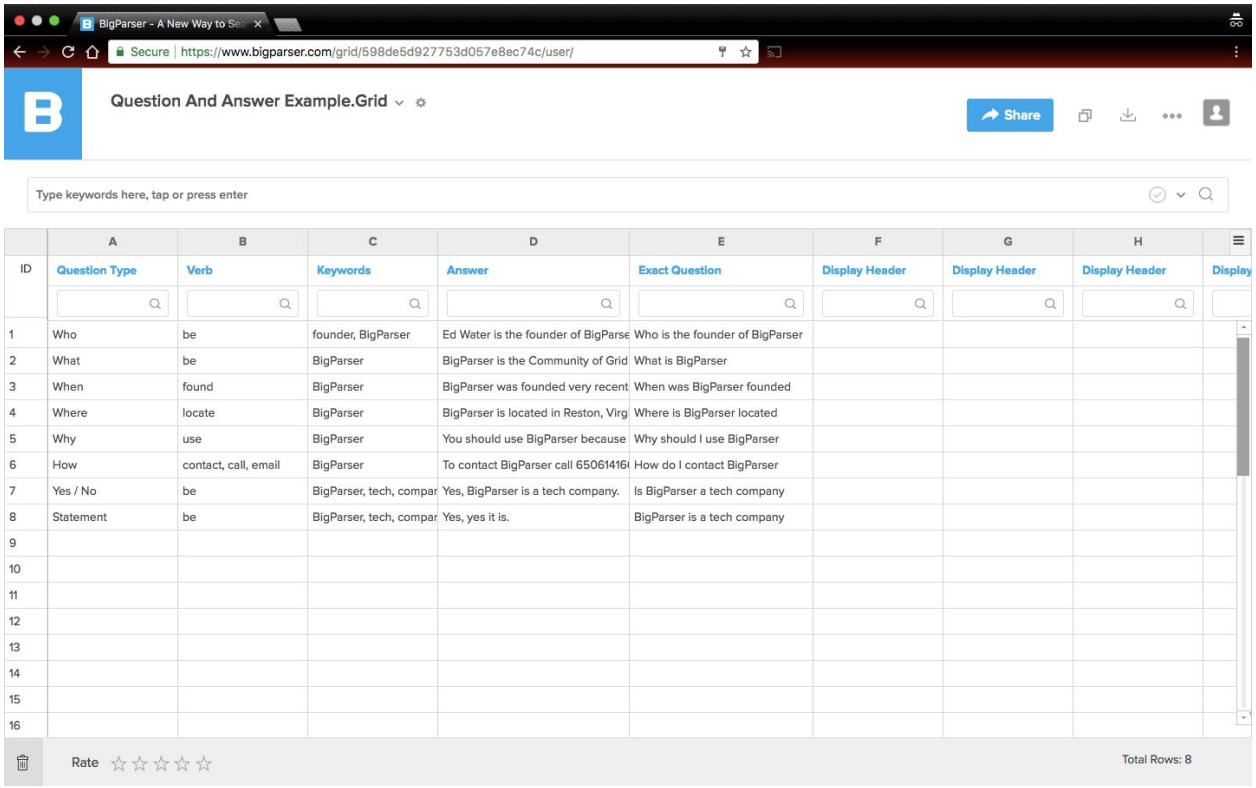


Question Type: Includes types like Who, What, When, Where, Why, How, Yes or No, and Statement. Yes or No types are used for questions, that would have a yes or no as the answer answer, such as *“Is BigParser a tech company?,”* and must be written as Yes / No in the grid. Statement type indicates that the phrase that is spoken is not a question, but still needs a response. For example *“BigParser is a tech company,”* is a statement.

Verb: This is the main verb of the question. The verb is always expressed in the infinitive. For example is becomes be and has becomes have.

Keywords: Keywords are used to differentiate questions. Keywords should always be written in the plural to guarantee the best results.

Answer: The answer to the question.

Exact Question: The exact question without punctuation.

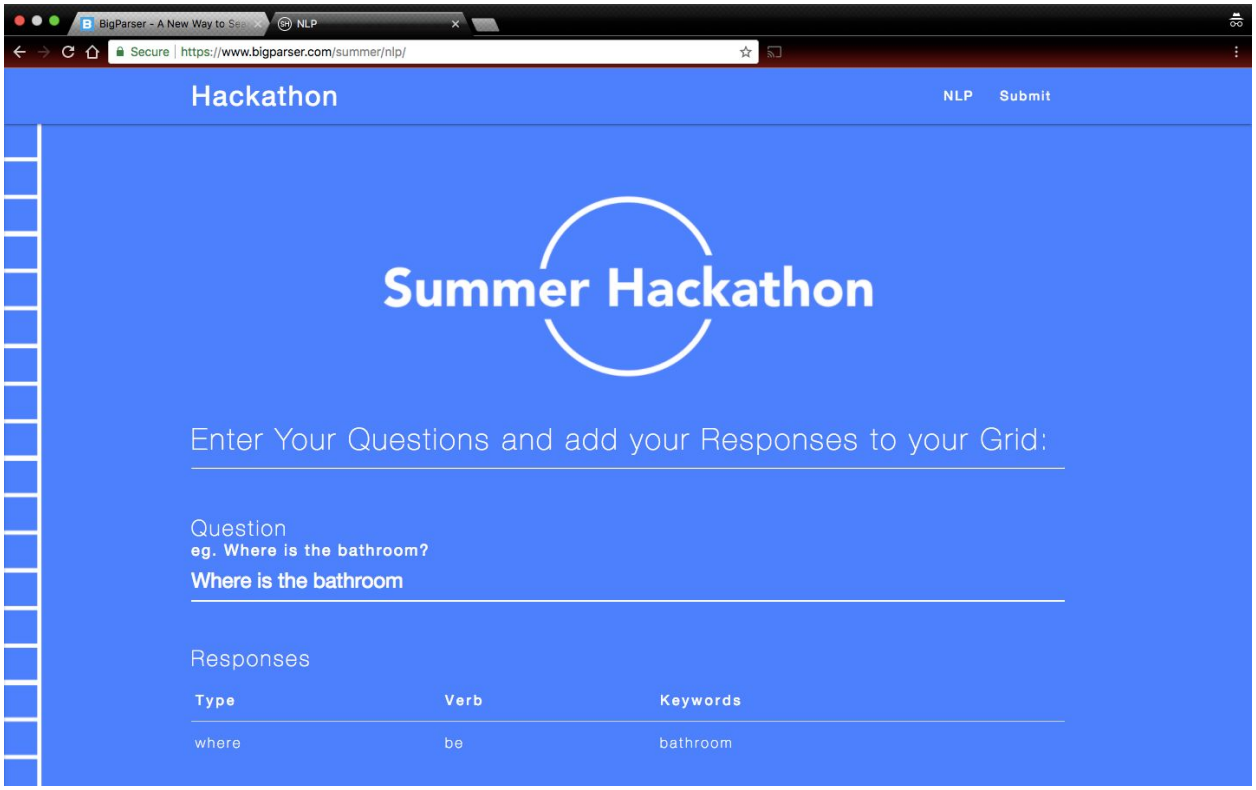
How to write Questions

Questions are written in three different columns Q&A grid: Question Type, Verb, Keywords, as defined above. Take, for example, *“Where is BigParser?”* The

question type would be “Where”, the verb would be “be,” and the keyword would be “BigParser.” However there is no need to do this manually as this process is made easier using BigParser’s NLP service.

NLP

The first three columns can be filled using BigParser's free NLP service which is available on www.bigparser.com/summer/nlp. Simply enter the exact question without punctuation and you will receive the question type, verb, and keywords.



How to write Answers*****Unsure

Converting the Q&A Grid into a Q&A Skill

To convert your Q&A grid into a Q&A skill, simply fill out this google form with all the required fields: https://goo.gl/forms/oTaRdcjelLmvTTld2.

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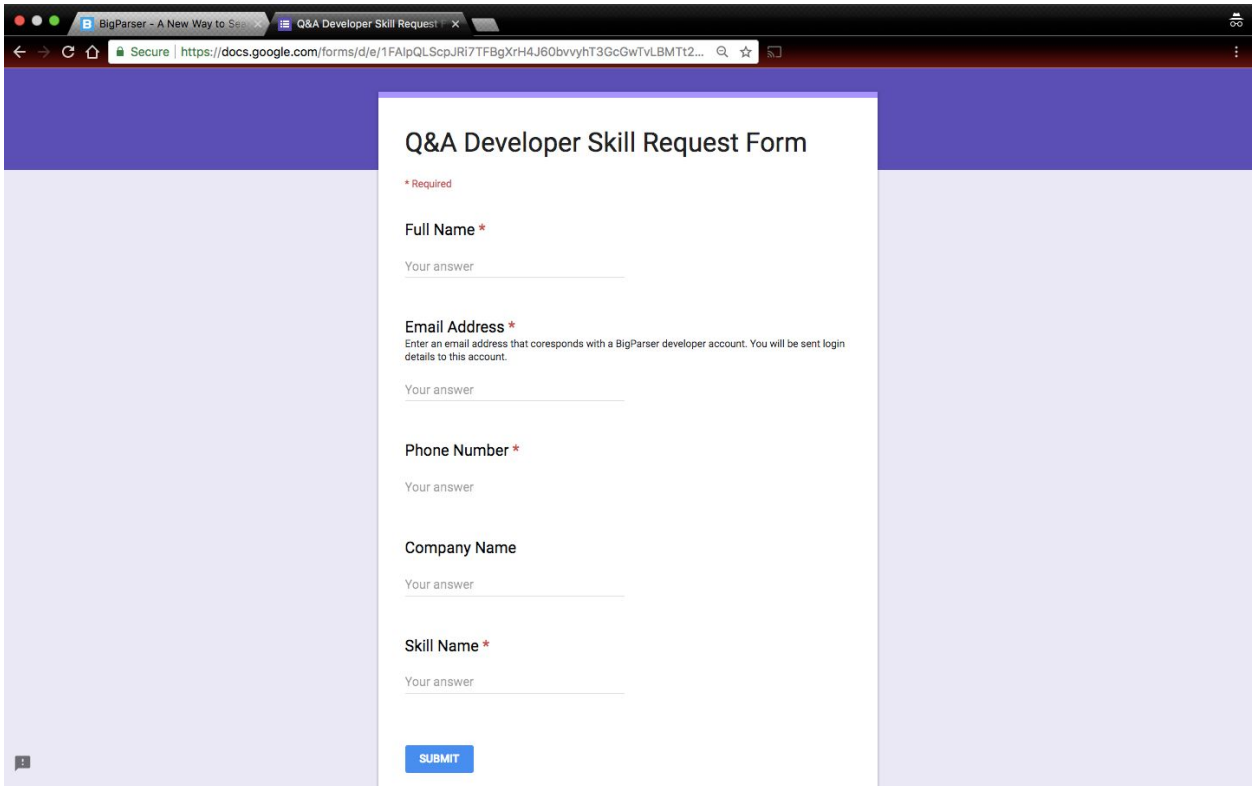

You will receive an email with the login credentials for an amazon account. This may take some time. Do not expect to immediately receive this email. If you do not receive this email within an hour, please contact our support team. This amazon account will come with your alexa skill.

Setting Up The Q&A Skill

To setup your alexa you must have an phone, tablet, or have access to the internet. If you are using a phone or tablet use the alexa app to proceed. If you are using an internet browser visit https://alexa.amazon.com.

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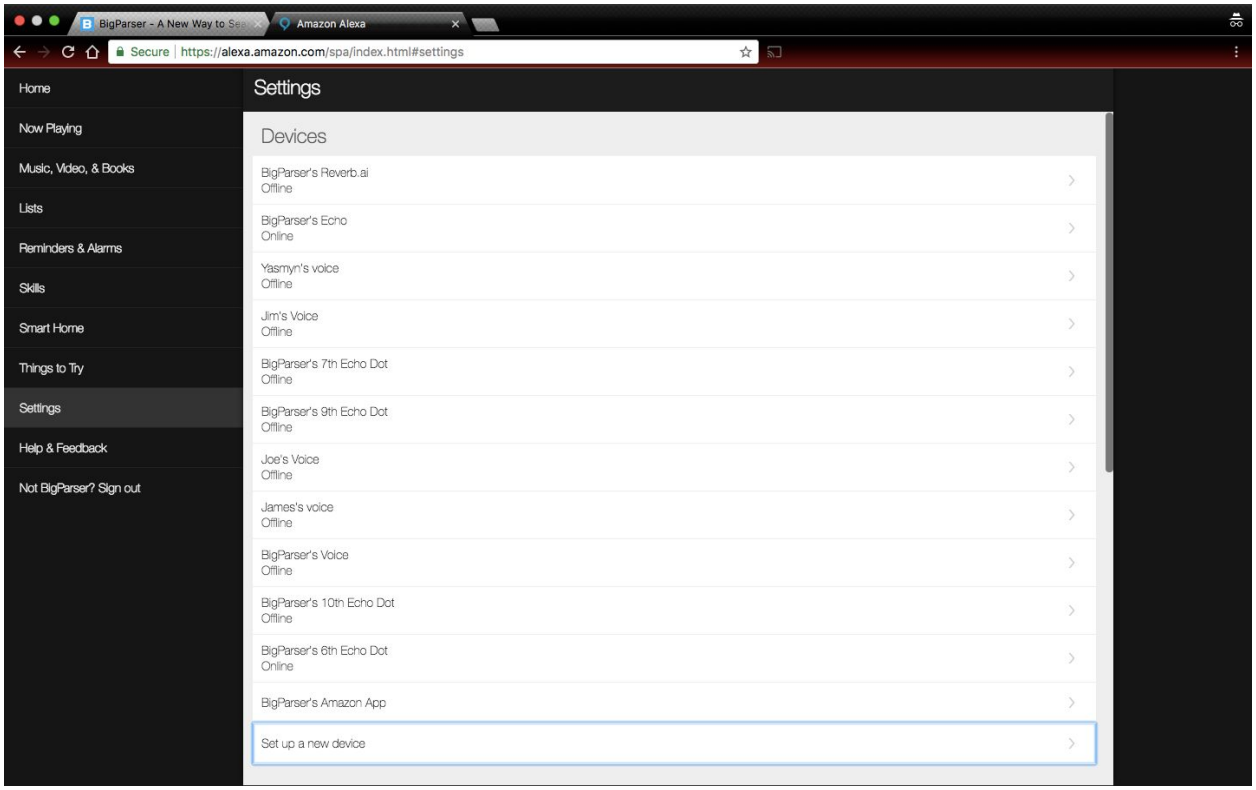

Login using the login credentials that were sent to your email. Click on the settings tab. Under the devices header, click on *Set Up a New Device.* Choose the correct device from the list, and set the language to English (United States). Click *Connect To WIFI* and follow the directions on the screen and finish the setup.

Creating a Power Skill

A Power skill is a complex skill, and it requires a lot more programming than a basic skill, but it can handle complex questions, and has more use cases than a basic skill. It is recommended that before you complete this section, you should complete the API Overview section.

Select Grid (s)***Unsure

You can launch the share app from multiple places to quickly share your grid.

Developer Setup

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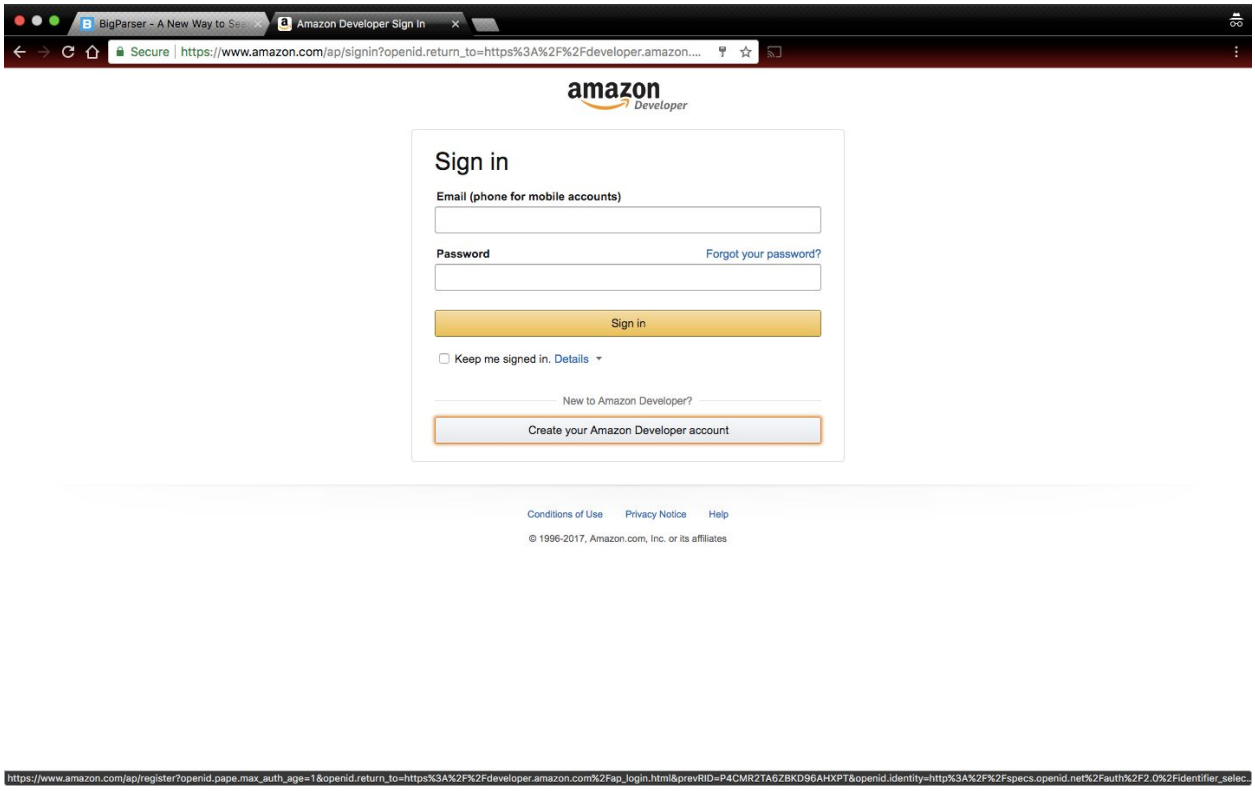
In order to make a power skill, Skill Creators must make an amazon developer account and an aws account.

Amazon Developer Account

First, visit the developer.amazon.com website and click the sign in button. Click the grey button labeled Create Your Amazon Developer Account.



Enter your information and click the button to proceed. Fill in all required fields on the registration page. For the company field you may enter a screen name. Click save and continue.

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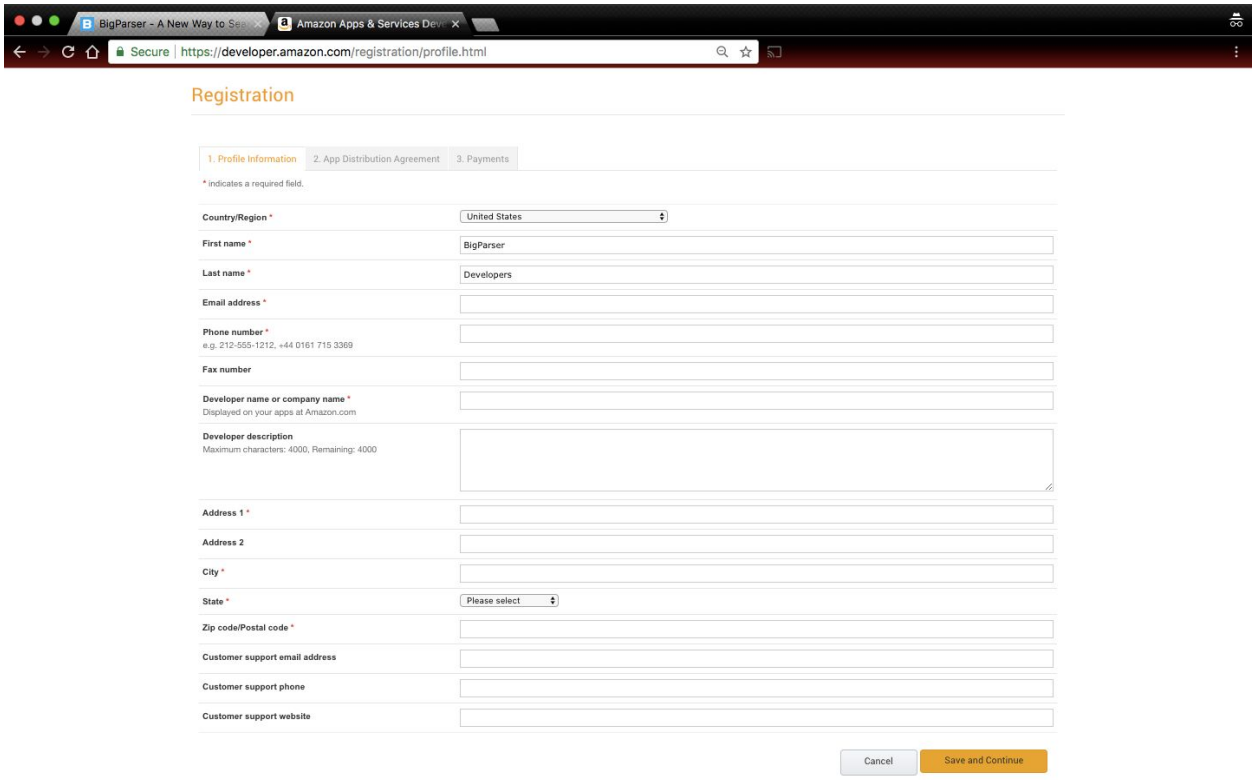
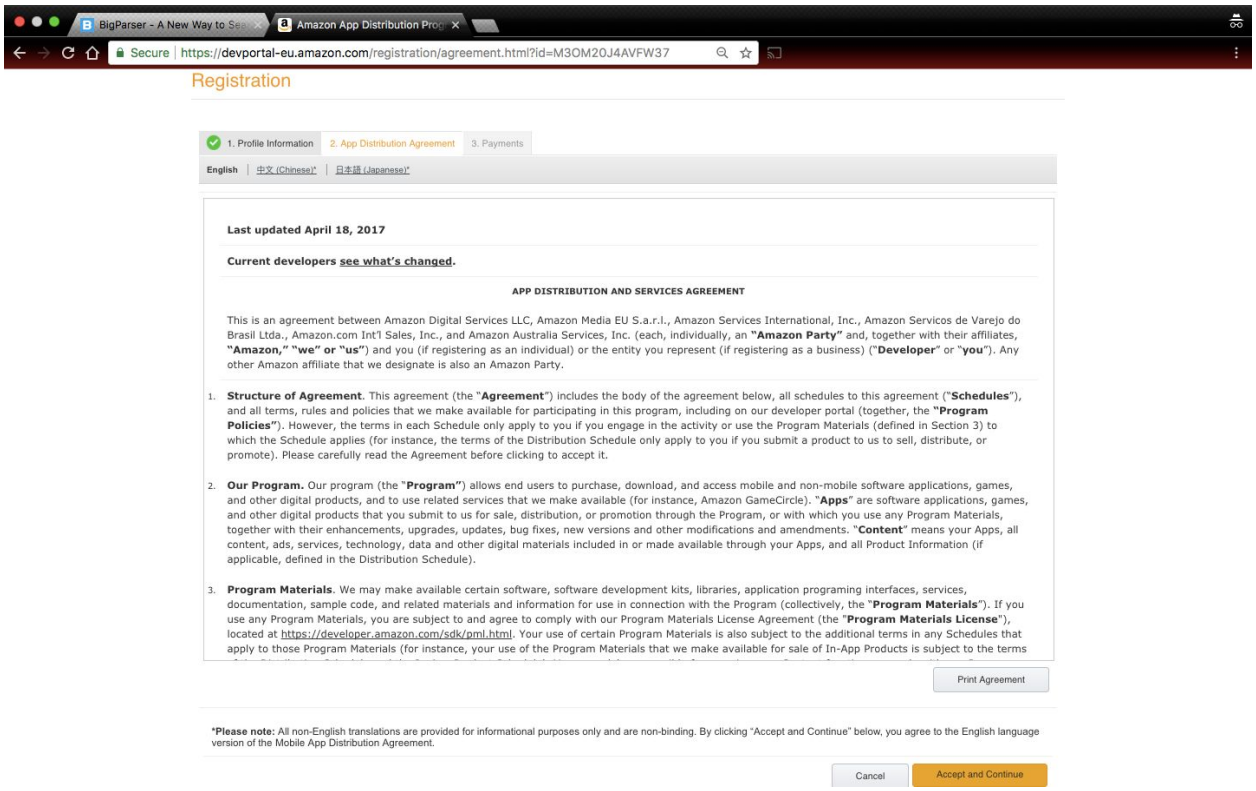


Accept the App Distribution Agreement and continue to the next page.



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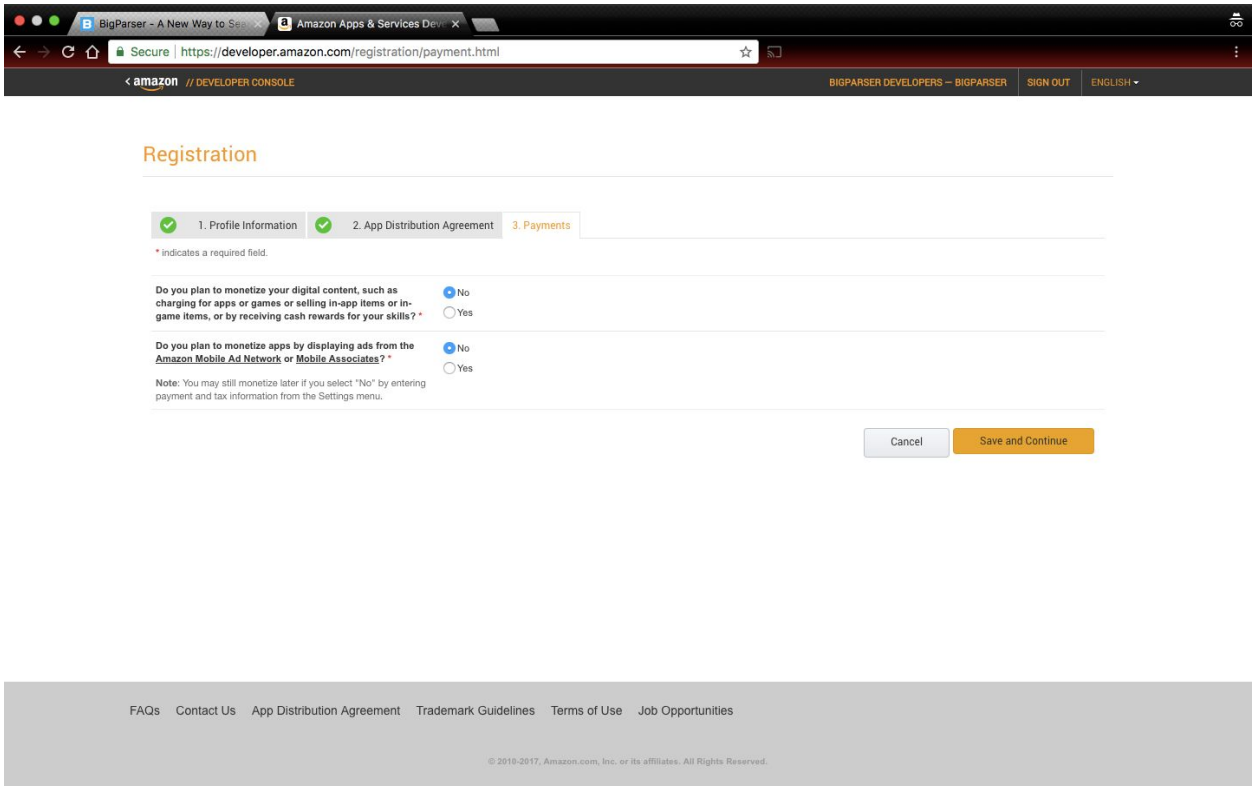
Answer the questions on the payments page and enter further fields if prompted. Click save and continue to complete the signup process.



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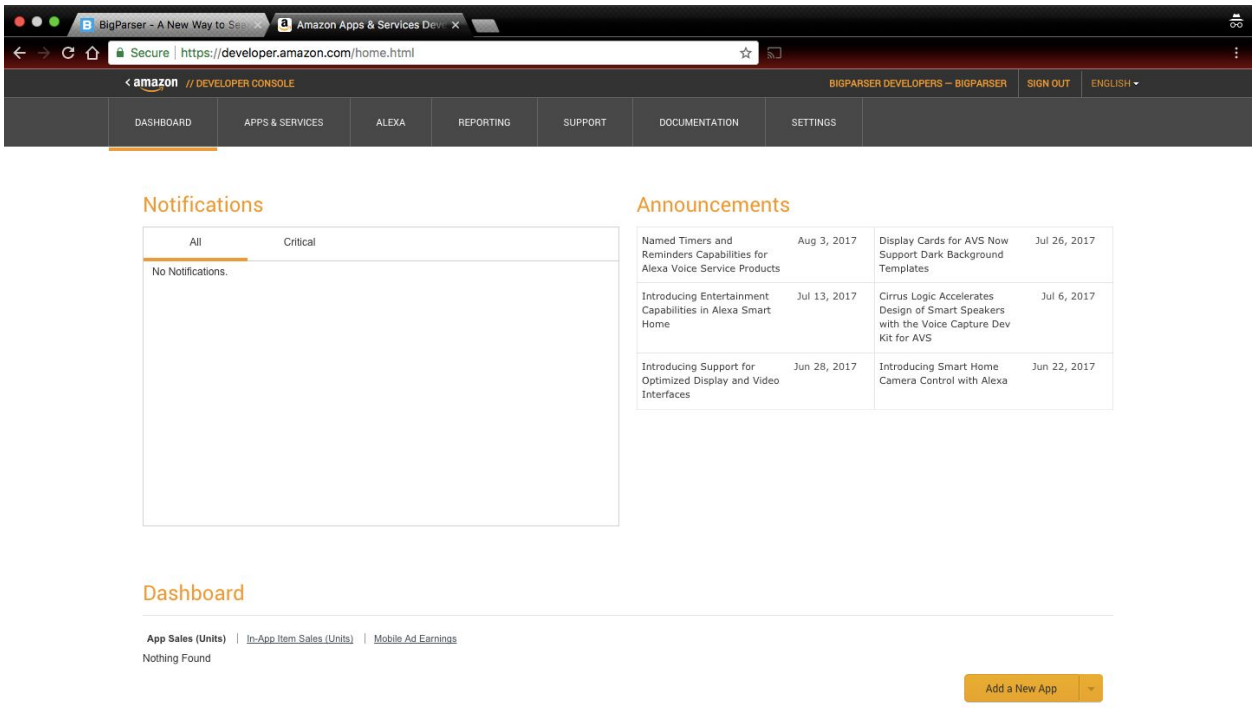
You should at your developer dashboard once you are completely setup



AWS Account

Visit console.aws.amazon.com. Enter your email address, select I am a New User and click Sign in Using our Secure Server.

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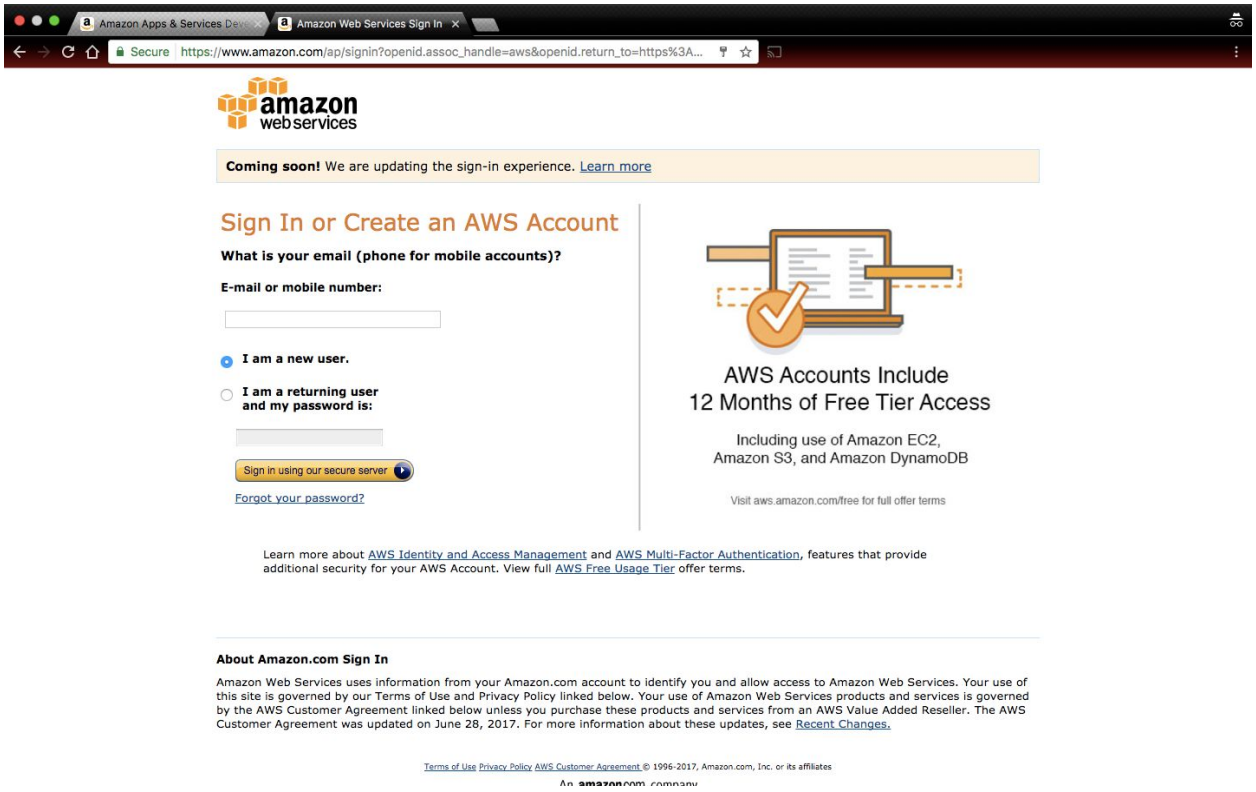
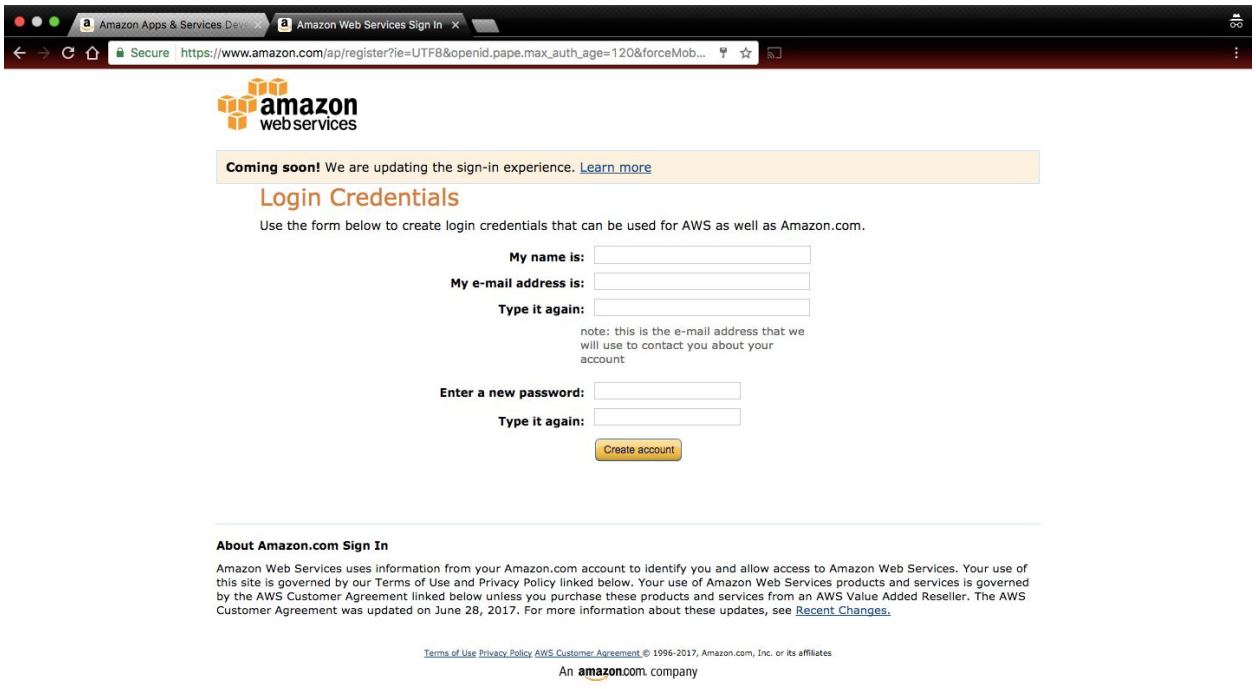


Enter your information and click Create Account.



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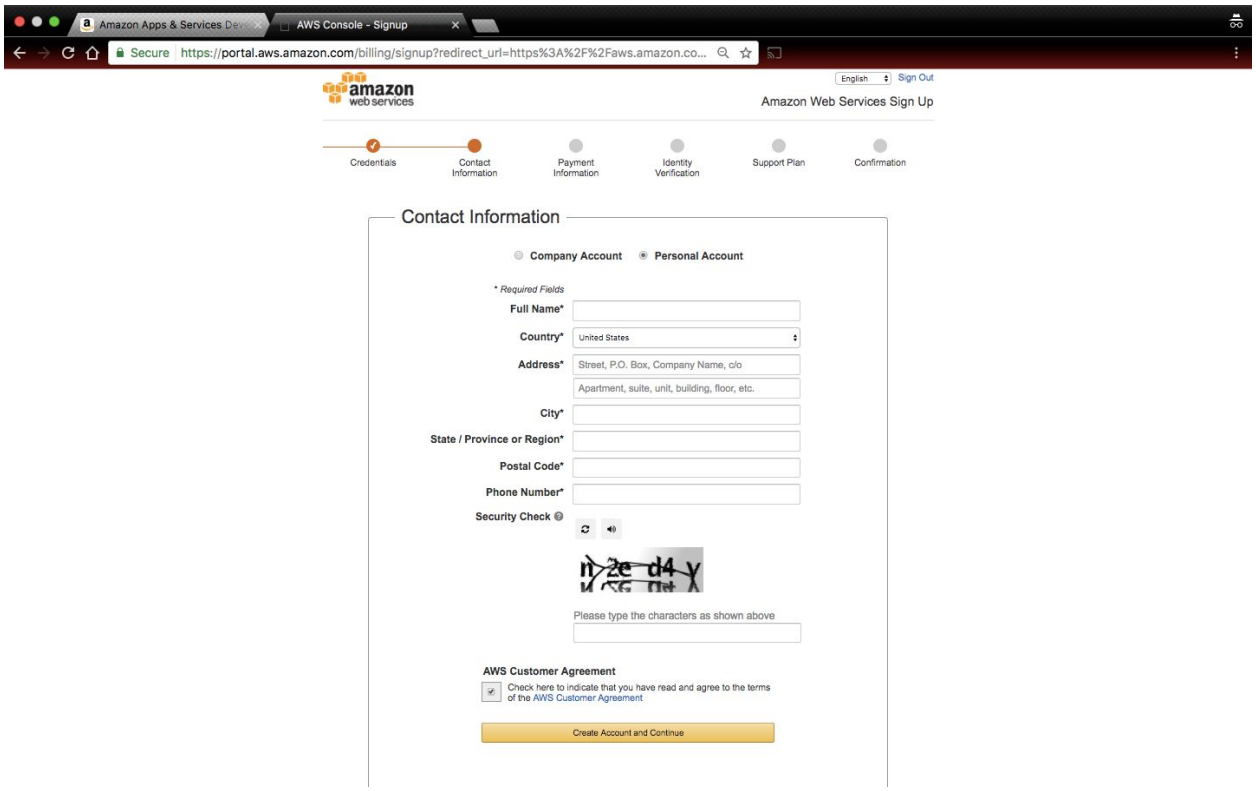
Select Personal account, fill in your contact information, complete the security check, and check the aws customer agreement. Click Create Account and Continue.



Enter your credit card information. If you do not have a credit card ask a parent, guardian, or friend for their credit card. You will not be charged as long as you do not exceed the limits of the free tier. This information is required to verify your identity. The address must match the cardholder's address.FINISH THIS

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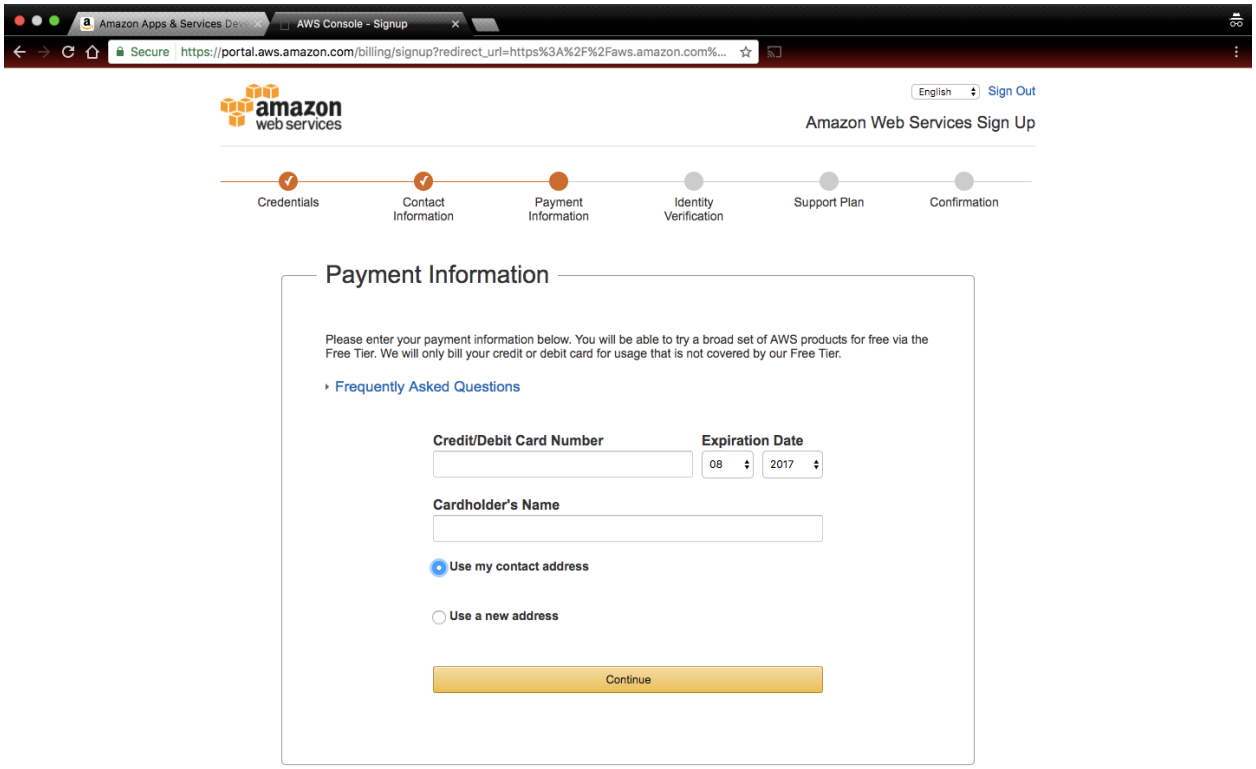

Once you have completed the entire sign up process, you should arrive to a screen that looks like this.

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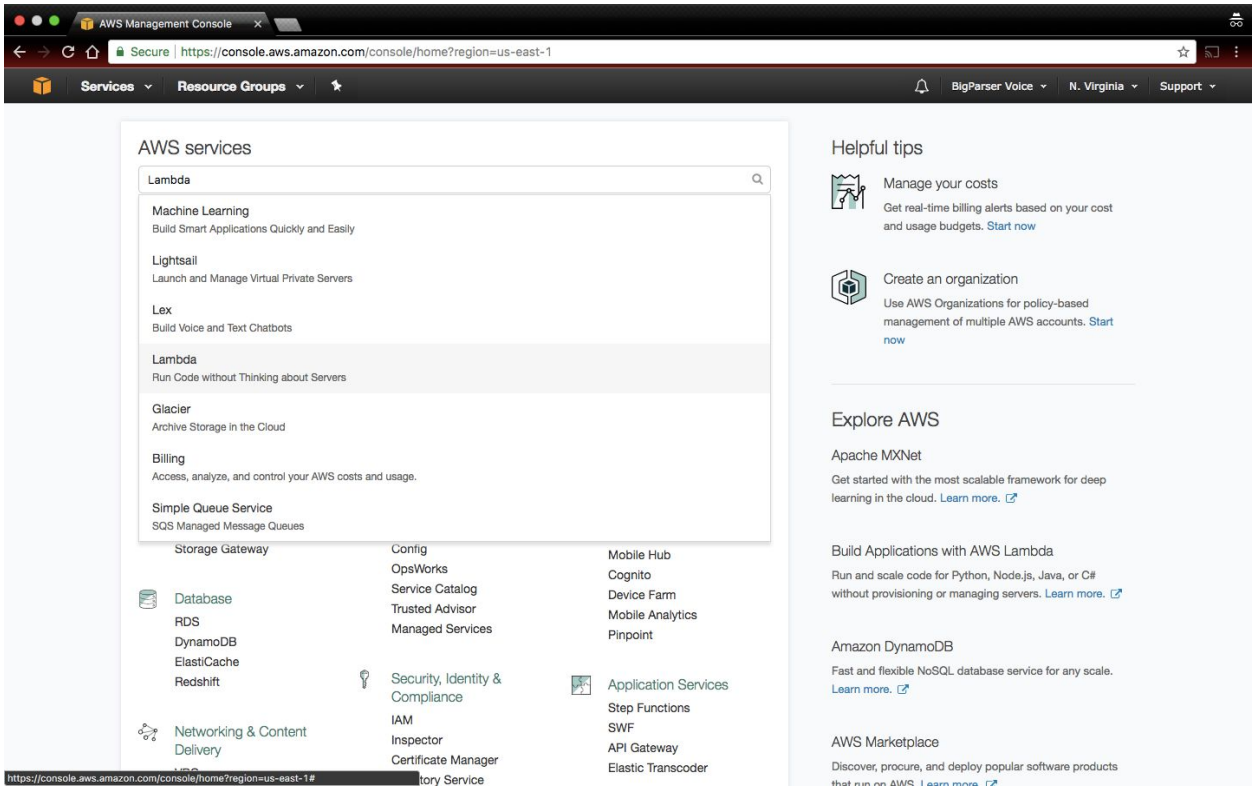

Getting Started

If you are new to alexa skills and lambda functions follow this tutorial found on Github: http://bit.ly/2wIXALC.

Creating Functions***Waiting for Product Team

If you have not completed the API Overview Section, it is highly recommended you complete it before you continue. Creating lambda functions will require using BigParser's Node JS Libraries. Use this example to create a functioning power skill: www.githublinkwillgoherethisisaplaceholder.com

Configure

To configure your power skill to an Alexa, simply follow the directions given in the Setting Up The Q&A Skill section.

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Publish

To publish your Alexa skill, view this guide provided by Amazon: http://amzn.to/2jWCS49. Amazon has strict guidelines, and will reject your skill if it does not follow those guidelines. *If you publish an Alexa skill in the month of August, Amazon will give you a free alexa: http://amzn.to/2rgpnTh.*

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Getting Started for API Users

API Overview

Developer Setup

In order to become a BigParser Developer, all you need to do is Create a BigParser Account.

Libraries***Waiting for oficial word

Currently there are three languages that support the BigParser Library: Node JS, Python, and Java. Syntax and Instructions on how to use these libraries can be found in the ReadMe files in the git repositories below.

Java:

Python:

Node JS:
**If you are creating alexa skills and lambda functions, you should focus on the Node JS Libraries.*

Using Search***Unsure

Using Crud***Unsure

Publish Your App

Publishing your app is an important, but optional step, in allowing your app to reach a widespread audience.

Website / Web App

To publish a website, you need a domain and a hosting. If you are not familiar with these concepts, visit https://mzl.la/2nec5RZ. You can find these services for free from websites like Wordpress or Github, but if you are looking toward publishing a long term website, you should look into

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buying a domain and renting a hosting space on services such as domain.com.

Android App

To publish a mobile app for Android follow this guide provided by Google: http://bit.ly/2wIZmfU. You should have a Google developer account to publish an app: http://bit.ly/1kmTwIf

IOS App

To publish a mobile app for IOS follow this guide provided by Apple: http://apple.co/2fmB96o. You should have an Apple developer account to publish an app: http://apple.co/KkpkO3

Outline

1. Basics
    a. Lesson 1: Why BigParser? (Ed)
    b. Lesson 2: What are Grids? (Ed)
        i. What's a Grid
        ii. Why Grids are important ?
        iii. Where can I find Grids ?
    c. Lesson 3: Using Grids ***
        i. Sample Grids
        ii. My Data
        iii. Public Grids
        iv. Opening a Grid
        v. Searching inside a Grid
            1. Global Search
            2. Column Search
    d. Lesson 4: Uploading a Grid
        i. Using Excel
        ii. Using Google Sheets
        iii. Using a CSV or other Text File
        iv. Paste a URL
        v. Use an API (see the API videos)
    e. Lesson 5: Share a Grid
        i. Create a Filter
        ii. Share a Filter
        iii. Hide Columns
        iv. More Settings

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2. Grid Creator
    a. Lesson 1: ***
        i. Create a data model based on searching
        ii. Row data vs column data for searching
        iii. Good grid model
        iv. Bad Grid model
    b. Lesson 2: How to collect data
        i. Identify sources
        ii. Licensing Data
        iii. Public data
    c. Grid Submission
    d. Grid Creator Certification
        i. Certified Grid Creator badge on profile
3. Skill Creator
    a. Lesson 1: What's a Skill
        i. What are skills
        ii. Types of Skills (Basic, Power)
    b. Lesson 2: Create a Basic Skill ***
        i. Get or Create a Q&A Grid
        ii. Configure your Grid
        iii. Test your Skill
    c. Lesson 3: Create a Power Skill
        i. Create your Grid
        ii. Creating an amazon developer account and aws account
        iii. Configure your Skill Settings
        iv. Create a Lambda Function
        v. Deploy your Skill
        vi. Test your Skill

4. Creating Apps
    a. Lesson 1: Get Started
        i. Create a BigParser Account
        ii. Get your AuthID
    b. Lesson 2: How to call
        i. Install Libraries (Python, Java)
    c. Lesson 3: Sandbox
        i. Sandbox URL
        ii. How to Find an API Method
        iii. How to Browse an API Method
    d. Lesson 3: Utilizing the BigParser API / BigParser Libraries
    e. App submission
    f. App Creator Certification
        i. Certified App Creator .

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5. Creating Skills
    a. Lesson 1: Creating an amazon developer account and aws account
    b. Lesson 2: Creating a skill
    c. Lesson 3: Creating a lambda function
    d. Lesson 4: Deploying your skill
    e. Skill Submission
    f. Skill Creator Certification
        i. Certified Skill Creator