Account Linking

Tweeting Flight Tracker's Status

Alexa, ask Airport Info to tweet delay info for ATL.

The delay info for Hartsfield-Jackson Atlanta International has been posted to your Twitter timeline.

Tweeting Flight Tracker's Status

Josh Skeen
@mutexkid

There is currently no delay at Hartsfield-Jackson Atlanta International.

Enabling Account Linking

Airport Info
DEVELOPMENT
4/18/16

*Fields required for certification

Skill Information	✓
Interaction Model	✓
Configuration	✓
Test	✓
Publishing Information	✓
Privacy & Compliance	✓

Endpoint *
Lambda ARN url for Smart Home Adapter.
More info about AWS Lambda
How to integrate AWS Lambda with Alexa

○ HTTPS ● Lambda ARN (Amazon Resource Name) ?

arn:aws:lambda:us-east-1:066215027672:function:airportInfoService

Account Linking

Do you allow users to create an account or link to an existing account with you? Learn more *

● Yes ○ No

Authorization URL *
The url where customers will be redirected in the companion app to enter login credentials.

https://alexa-twitter-airport-info.herokuapp.com/oauth/request_token?ve

Redirect URL
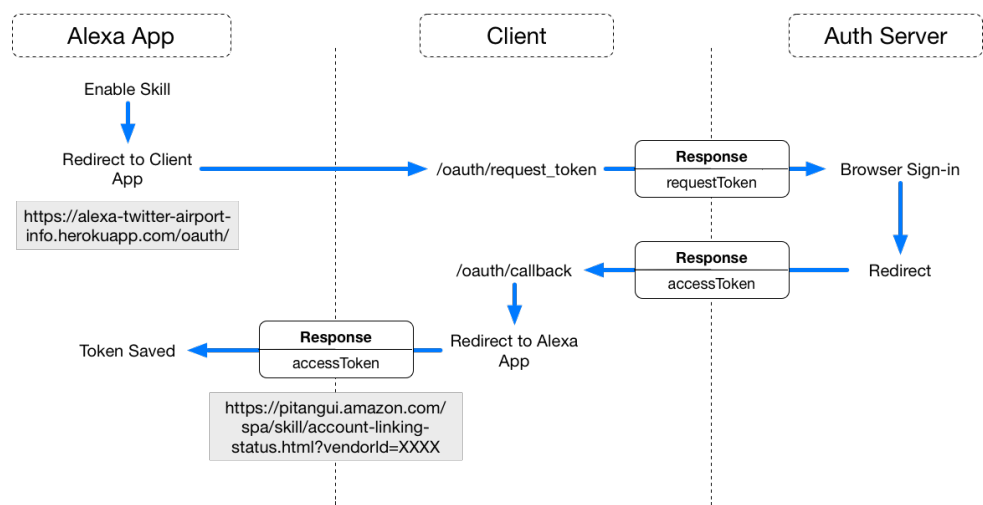HTTPs redirection endpoint uri you want to direct to after completing the authorization interaction with user.

https://pitangui.amazon.com/spa/skill/account-linking-status.html?vendorId=M2HHH9SZ1OAW5K
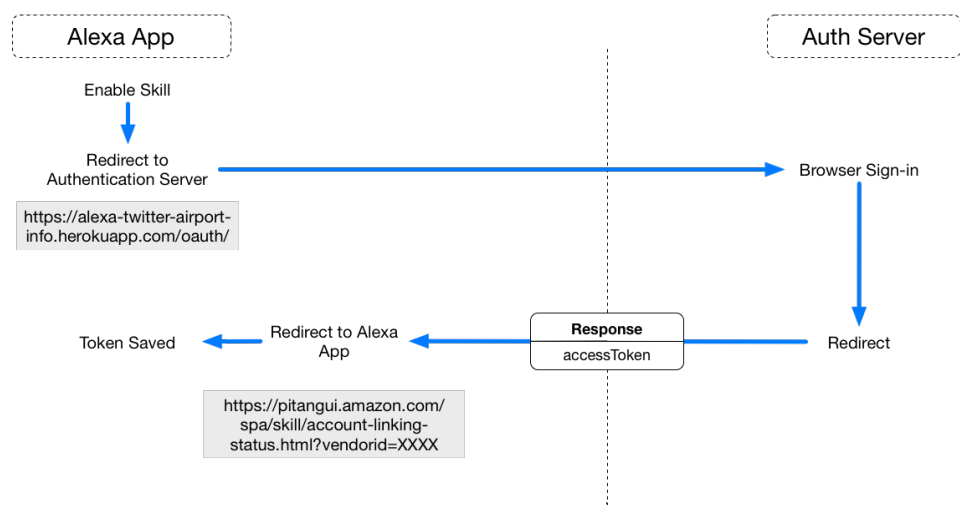
Client Id *
Unique public string used to identify the client requesting for authentication.

alexa-skill

Oauth Flow Overview

Alexa App	Client	Auth Server

Enable Skill

Redirect to Client App → /oauth/request_token

Response
requestToken

→ Browser Sign-in

https://alexa-twitter-airport-info.herokuapp.com/oauth/

/oauth/callback ← **Response** accessToken ← Redirect

Token Saved ← **Response** accessToken ← Redirect to Alexa App

https://pitangui.amazon.com/spa/skill/account-linking-status.html?vendorId=XXXX

Oauth 2.0

Alexa App	Auth Server

Enable Skill

Redirect to Authentication Server → Browser Sign-in

https://alexa-twitter-airport-info.herokuapp.com/oauth/

Token Saved ← Redirect to Alexa App ← **Response** accessToken ← Redirect

https://pitangui.amazon.com/spa/skill/account-linking-status.html?vendorid=XXXX

Linking an Account with a Skill 1/3

Airport Info
Big Nerd Ranch
★★★★★

Enable

Account linking required

"Alexa, ask Airport Info for delays at ATL"

"Alexa, tell Airport Info to give delay info at ATL"

"Alexa, open Airport Info"

About this Skill

Description
Airport Info allows you to get flight delay information and weather conditions at an Airport you specify by it's code. Before leaving for the airport, try asking Airport Info about the conditions to expect before arriving for your flight. Airport Info uses the FAA Airport Status API to provide the information you will be given.

Skill Details
- Invocation Name: **airport info**
- Developer Privacy Policy

Linking an Account with a Skill 2/3

Authorize Airport Info Twitter Integration to use your account?

Authorize app   **Cancel**

Airport Info Twitter Integration
By Big Nerd Ranch
alexa-twitter-airport-info.herokuapp.com/app

Integrates Twitter with Alexa!

This application will be able to:
- Read Tweets from your timeline.
- See who you follow, and follow new people.
- Update your profile.
- Post Tweets for you.
- Access your direct messages.

Will not be able to:
- See your Twitter password.

Linking an Account with a Skill 3/3

Using the Access Token (index.js)

```
skill.intent('tweetAirportStatusIntent', {
  'slots': {
    'AIRPORTCODE': 'FAACODES'
  },
  'utterances': ['tweet {|delay|status} {|info} {|for} {-|AIRPORTCODE}']
},
  function(request, response) {
    if (accessToken === null) {
      response.linkAccount().shouldEndSession(true)
      .say('Your twitter account is currently not linked. Please link your account in the companion app');
      return true;
    } else {
      var faaHelper = new FAADataHelper();
      faaHelper.getAirportStatus(airportCode).then(function(airportStatus) {
        new TwitterHelper(request.sessionDetails.accessToken)
        .postTweet('hello from alexa! twitter account linked!');
        response.say('I\'ve posted the flight status for ' + airportCode + ' to your timeline!');
      });
      return false;
    }
  });
```

Creating a TwitterHelper 1/3

```
var Twitter = require('twit');
var CONSUMER_KEY = 'consumerkey';
var CONSUMER_SECRET = 'consumersecret';
function TwitterHelper(key) {
  this.key = key;
  this.client = new Twitter({
    consumer_key: CONSUMER_KEY,
    consumer_secret: CONSUMER_SECRET,
    access_token_key: this.key[0],
    access_token_secret: this.key[1]
  });
}
```

Creating a TwitterHelper 2/3

```
TwitterHelper.prototype.postTweet = function(message) {
    this.client.post('statuses/update', {
      status: message
    });
};
```