

# Facebook/Twitter API

- Offer REST APIs. Facebook, in addition, supports FQL.
- Response time ~ 250 - 5000 msec
- Products that use this API:

[www.yahoo.com](http://www.yahoo.com)

www.aol.com

- API Classification:
  - Authorization
  - Read/GET
  - Update/POST
  - Search

Supported Response Formats:

Json

XML

# Authorization API (OAuth)

- OneSocial sends OAuth request to FB/Twitter
- If user is not logged on Twitter/FB, allow the user to enter the credentials on Twitter/FB site.
- If user has not already authorized application access, prompt for authorization on Twitter/FB site.
- Redirect to `callback_url` and get access token and token secret
- Use access token for further communications

# Read/GET APIs

- Facebook

Get stream data via Post

<http://api.facebook.com/restserver.php>

Post Data:

`method=facebook.stream.get&api_key=[]&session_key=[]&format=JSON`

- Twitter

Get user tweets via GET

[http://twitter.com/statuses/user\\_timeline.xml](http://twitter.com/statuses/user_timeline.xml)

# Update/POST APIs

- Facebook

Update status via Post

<http://api.facebook.com/restserver.php>

Post Data:

method=facebook.status.set&api\_key=[]&session\_key=[]&format=JSON&status=[]

- Twitter

Update user tweets via POST

<http://twitter.com/statuses/update.xml>

Post Data: status=[]

# Search APIs

- Twitter

Return tweets that match a specified query via GET

[http://search.twitter.com/search.json?q=\[\]](http://search.twitter.com/search.json?q=[])

Sample Truncated Response:

```
{"results":[  
  {"text":"@twitterapi I'm good, thanks",  
   "to_user_id":396524,  
   "from_user_id":1833773}  
}]
```