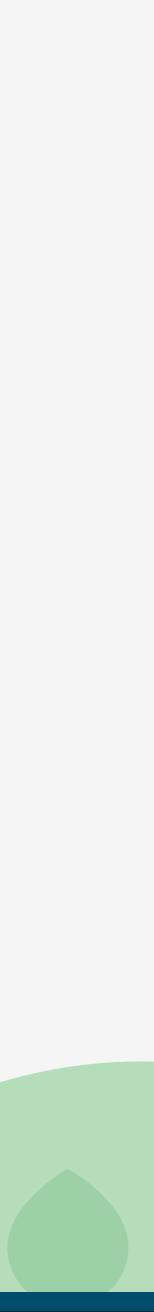


Web Services The W3C defines web service as: a software system designed to support interoperable machine-to-machine interaction over a network.







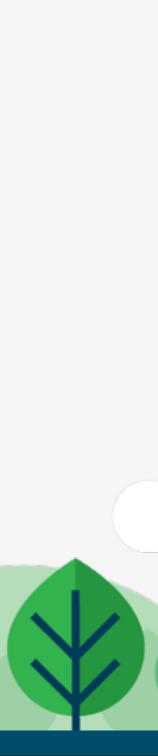
Why Do I Want One?

- Legacy integration
- Digital asset management system
- listing, etc.
- Social media

Provide access for mobile devices (internet of things)

Partners who need/want your data - weather, MLS







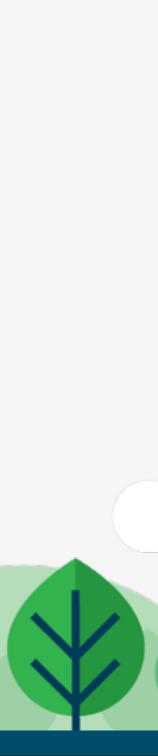


API stands for Application Programmer Interface

APIs specify how software with one another.

APIs specify how software components should interact







A standardized and documented way to access and interact with your application's content and features.

GET statuses/show/:id



What links here

Updated on Thu, 2013-03-07 09:37

Returns a single Tweet, specified by the id parameter. The Tweet's author

See Embeddable Timelines, Embeddable Tweets, and GET statuses/oemb Display Requirements.

Resource URL

https://api.twitter.com/1.1/statuses/show.json

Parameters

id

The numerical ID of the desired Twee

required

Example Values: 123

API version 1.1

will also be embedded within the tweet.	
bed for tools to render Tweets according to	Ra
	Re wi
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et.	H

Resource Information	
Rate Limited?	Yes
Requests per rate limit window	180/user 180/app
Authentication	Required
Response Formats	json
HTTP Methods	GET
Resource family	statuses



Services

API.

The Services module allows Drupal to expose data and internal actions to other applications via a web services



Requests & Responses

You ask the API for some data or to perform an action and it responds either with the requested data or the result of the action.

The mechanics of the request/response vary depending on the service type.



Drupal's Data & Actions Data Nodes, users, comments, views, etc.

Actions Authenticate a user, create a node, trigger a password reset email, etc.





Chunks vs. Blobs

It is easier for machines to understand structured content like JSON or XML than a giant blob of text.

making it an ideal backend for a data API.

- Drupal already stores data in structured chunks (fields)



Examples of APIs

- Twitter
- Yahoo Weather API
- Netflix
- Amazon (S3, EC2, etc.)

