

Api Versioning

v3.1.0

major version

minor version

patch version

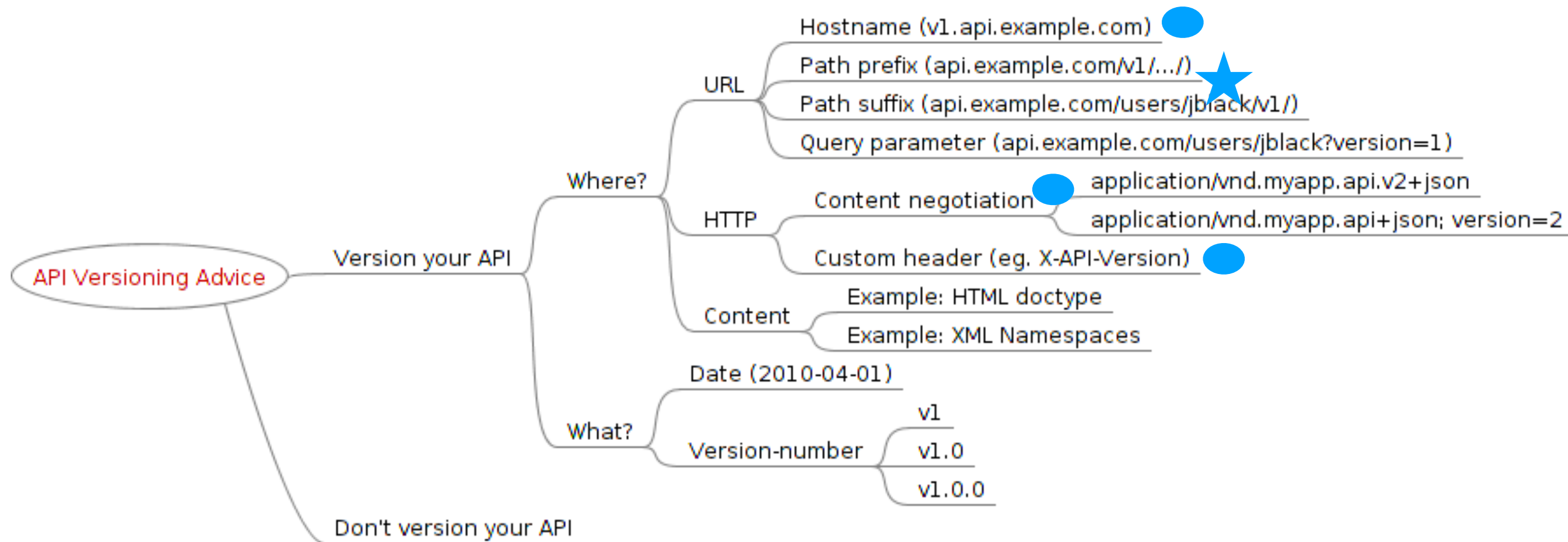
breaking changes

backwards
compatible changes

fixes to specification

fix a mismatch between
specification and actual
implementation of an API.

Product	Versioning Approach
Dropbox	URL, /1/ prefix
Foursquare	URL, /v2/ prefix
Google	URL, eg. /plus/v1/ prefix
Klout	URL, /v2/ prefix
LinkedIn	URL, /v1/ prefix
Salesforce	URL, /services/data/v26.0/ prefix
Stripe	URL, /v1/ prefix
Sun Cloud API	HTTP, X-Cloud-Client-Specification-Version & Accept headers
Twilio	URL, /2010-04-01/ prefix
Twitter	URL, /1.1/ prefix
Microsoft	Request Headers: x-ms-version: 2020-04-08
Facebook	Domain Versioning



- Some very successful applications use API versions in their URLs.

● Popularity: MEDIUM

Media type versioning “content negotiation” “accept header”	<pre>curl -H "Accept: application/vnd.xml.device+json; version=1" http://www.example.com/api/products</pre> <pre>Accept: Application/vnd.api.article+xml; version=1.0</pre> <p>Requiring HTTP headers with media types makes it more difficult to test and explore the API using a browser</p>
(Custom) headers versioning	<pre>curl -H "Accepts-version: 1.0"</pre> <p>http://www.example.com/api/products</p> <p>https://msdn.microsoft.com/en-us/library/azure/dd894041.aspx</p>
URI versioning	<p>http://www.example.com/api/1/products</p> <p>https://blog.twitter.com/2013/api-v1-retirement-final-dates1</p>
Domain versioning (a.k.a. “hostname versioning”)	<p>apiv1.example.com/resource</p>
(Request) parameter versioning	<pre>http://www.example.com/api/products?version=1</pre> <p>difficult to use for routing</p>
Date versioning (a.k.a. “point-in-time versioning”, “dynamic date versioning”)	<p>The first time a user makes a request to the API, that point-in-time (timestamp) gets saved alongside the account data and becomes their version until they choose to manually bump it to the current version.</p>