

This survey is part of a research project called: The “RESTful” Services: Are they “RESTful” Yet? - A Follow-up Study. The REST architecture principles provide a blueprint to develop simple, scalable, and reliable APIs. The objective is to survey REST developers to study the principles they adopt in developing REST APIs. This survey will take between 4-5 minutes. Thank You for your time!

1. How long have you been working with REST APIs? \*

- - Less than 1 year.
- - 1-3 years.
- - More than 3 years.

2. Do you have any unique insights on REST APIs?

3. Which of the following do you use as the formal description of REST APIs? \*

- - Web Services Description Language (WSDL).
- - XML schema of responses.
- - Web Application Description Language (WADL).
- - OpenAPI Specification.
- - Prefer No Formal Descriptions.
- - Other:

4. In REST APIs, do you provide links to other resources of the service in your representations to service requests? \*

- - Yes
- - No
- - Sometimes

5. In REST APIs, which of the following methods do you use for forms in your representations? \*

- - URI-Template

- - XHTML Forms
- - Prefer no Forms in the representation.
- - Other:

6. Regarding the number of resource types in a REST API, which of the following options do you follow? \*

- - Multiple
- - One
- - One without overloading
- - Other:

7. Do you use Versioned End-Point in your REST APIs? \*

- - Yes
- - No

8. In REST API, which of the following would you prefer to encode scope information? \*

- - URI path
- - URI path and parameters
- - Parameters
- - Header fields
- - Other:

9. In REST API, which of the following would you prefer to request parameter sources? \*

- - Query Parameters
- - Query Parameters and Form-encoded
- - Form-encoded
- - Other:

10. Do you use HTTP Status in your REST APIs? \*

- - Yes

- - No
- - Sometimes

11. Which HTTP methods do you use in REST API? (multiple choices) \*

- - GET
- - POST
- - PUT
- - DELETE
- - PATCH

12. In REST API, which of the following options do you use to override the method? \*

- - Query Parameter
- - Header Field
- - Other:

13. In REST API, which of the following representation formats do you use? (multiple choices) \*

- - JSON
- - ATOM
- - RSS
- - PHP
- - XML
- - SOAP
- - XMLRPC
- - HTML
- - CSV
- - PNG
- - JavaScript
- - YAML
- - TXT
- - WDDX
- - Other:

14. In REST API, which of the following options do you use to select representation format? \*

- - URI-Suffix
- - Query Parameter
- - URI
- - HTTP Content Negotiation
- - Other:

15. In REST API, which of the following options do you use for user authentication? \*

- - HTTP
- - OAuth
- - Proprietary
- - Other:

16. Do you use Secure Connections (HTTPS Support) in your REST APIs? \*

- - Yes
- - Yes, mandatory
- - No
- - Sometimes

17. In REST API, which of the following options do you use for parallel use of different protocols for the same service? (multiple choices) \*

- - SOAP
- - XML-RPC
- - Proprietary
- - Other:

18. In REST API, which of the following options do you use for registration? \*

- - API-Key

- - Account
- - Developer-Key and API-Key
- - Developer-Key and Account
- - Other:

19. Do you have any usage limitations in your REST APIs? \*

- - Yes
- - Only vague, not explicitly specified.
- - No
- - Sometimes

20. Which REST API(s) are you responsible for?