

What's new in OpenAPI 3.2

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OpenAPI 3.2: September 2025

OpenAPI 3.1: February 2021

OpenAPI 3.0: July 2017

OpenAPI 3.2



HTTP methods

QUERY is supported alongside GET, POST

New field `additionalOperations` for all everything else.

```
paths:
  /cakes:
    query:
      summary: Advanced cake search
      requestBody:
        # ... complex search criteria
      responses:
        '200':
          # ... search results
    additionalOperations:
      LINK:
        summary: Link related products
        requestBody:
          # ... link relationship data
```

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querystring

New parameter location: querystring.
/cakes/search?flavour=pink&tags=mini

```
/cakes/search:  
  get:  
    parameters:  
      - name: search  
        in: querystring  
        content:  
          application/x-www-form-urlencoded:  
            schema:  
              type: object  
              properties:  
                flavour:  
                  type: string  
                inStock:  
                  type: boolean  
                tags:  
                  type: array  
                  items:  
                    type: string
```

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Sequential media types

Responses may contain repeating schemas described by `itemSchema`.

Media types registry published to showcase using the different features.

Supported formats include:

- `text/event_stream`
- `application/jsonl`
- `application/json-seq`
- `multipart/mixed`

Multipart media types

New fields to go with `multipart/mixed` support:

`itemSchema` to describe the structure of a repeating payload.

`itemEncoding` to describe the encoding for a collection of items.

`prefixEncoding` to describe encoding by position where the multipart is a series of entries in a known order.

\$self keyword

`$self` sets the base URI of the document.
Used in reference resolution.

```
openapi: 3.2.0
$self: https://example.com/my-api/openapi.yaml
info:
  title: Example API
components:
  schemas:
    Foo:
      properties:
        bar:
          $ref: schemas/bar.json
```

Resolves to `https://example.com/my-api/schemas/bar.json`

Examples

Upgrades to example `value` fields:

- `dataValue` to describe the structure
- `serializedValue` to show how it will be transmitted

No change to `value` or `externalValue`.

Security

Security schemes can be marked deprecated.

New OAuth2 flow: Device Authorization.

New field for OAuth2 Metadata
`oauth2metadataurl`.

XML upgrades

New field `nodeType` to indicate what type of node a schema represents.

Values: `element` (default), `attribute`, `text`, `cdata`, `none`.

Upgrade from `attribute: true` to
`nodeType: attribute`.

Discriminator

Field in `propertyName` can be an optional field.

`defaultMapping` provides a default schema to use if no match exists.

```
schemas:
  Cake:
    type: object
    discriminator:
      propertyName: cakeType
      defaultMapping: sponge
      mapping:
        sponge: '#/components/schemas/SpongeCake'
        chocolate: '#/components/schemas/ChocolateCake'
        fruit: '#/components/schemas/FruitCake'
    properties:
      cakeType:
        type: string
```

summary for a human-readable short name.

kind to allow multiple categories of tag (not just documentation).

A registry for tag kinds is published.

parent supports nesting.

Tags reimagined

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```
- name: prod
  summary: Products
  description: All products
  kind: nav

- name: cake
  summary: Cakes
  description: Custom cakes and layer cakes
  parent: prod
  kind: nav

- name: bread
  summary: Breads
  description: Artisan breads and rolls
  parent: prod
  kind: nav

- name: seasonal
  summary: Seasonal
  description: Limited-time seasonal offerings
  kind: badge
  externalDocs:
    description: Seasonal menu planning
    url: https://docs.bakery.com/seasonal
```

Tags reimagined

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Support by modern tooling

Improved developer experience,
discriminator, querystring

Improved user experience, tags and
examples

New HTTP methods, new security flows

More media types supported for a
wider range of applications

OpenAPI upgrades



Resources

Keep reading ...

<https://spec.openapis.org>

<https://learn.openapis.org>

<https://lornajane.net>

<https://tmforum.org>

<https://apisyouwonthate.com>

<https://openapi.tools>

<https://lornajane.net>

OpenAPI and you

Open standard

Membership

Events

Working groups

- Arazzo
- Overlays
- Industry standards
- Moonwalk (OpenAPI 4.0)
- Outreach

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