```yaml
paths:
  /time/{tz}:
    get:
      description: "Current time"
      x-mojo-name: "time-of-day"
      parameters:
        - name: tz
          in: path
          required: true
          description: time zone
          type: string
          enum:
            - "PST8PDT"
            - "MST7MDT"
            - "CST6CDT"
            - "EST5EDT"
      responses:
        200:
          description: "successful response"
          schema:
            type: object
            properties:
              datetime:
                type: string
              epoch:
                type: integer
        400:
          description: "Invalid timezone"
  /temperature/{lat}/{lon}:
    get:
      description: "Current temperature"
      x-mojo-name: "current-temperature"
      parameters:
        - name: lat
          in: path
          required: true
          description: latitude
          type: integer
          minimum: -90
          maximum: 90
        - name: lon
          in: path
          required: true
          description: longitude
          type: integer
          minimum: -180
          maximum: 180

      responses:
        200:
          description: "successful response"
          schema:
            type: object
            properties:
              fahrenheit:
                type: string
              celsius:
                type: string
              kelvin:
                type: string
        400:
          description: "Invalid location"
    post:
      description: "Update weather"
      x-mojo-name: "set-current-temperature"
      parameters:
        - name: lat
          in: path
          required: true
          description: latitude
          type: integer
          minimum: -90
          maximum: 90
        - name: lon
          in: path
          required: true
          description: longitude
          type: integer
          minimum: -180
          maximum: 180
      responses:
        200:
          description: "successful update"
        400:
          description: "invalid location"
```

```yaml
paths:
  /time/{tz}:
    get:
      description: "Current time"
      x-mojo-name: "time-of-day"
      parameters:
        - $ref: "#/parameters/TimeZone"
      responses:
        200:
          description: "successful response"
          schema:
            $ref: "#/definitions/TimeOfDay"
        400:
          description: "Invalid timezone"
  /temperature/{lat}/{lon}:
    get:
      description: "Current temperature"
      x-mojo-name: "current-temperature"
      parameters:
        - $ref: "#/parameters/Latitude"
        - $ref: "#/parameters/Longitude"
      responses:
        200:
          description: "successful response"
          schema:
            $ref: "#/definitions/Temperature"
        400:
          description: "Invalid location"
    post:
      description: "Update weather"
      x-mojo-name: "set-current-temperature"
      parameters:
        - $ref: "#/parameters/Latitude"
        - $ref: "#/parameters/Longitude"
      responses:
        200:
          description: "successful update"
        400:
          description: "invalid location"

definitions:
  TimeOfDay:
    type: object
    properties:
      datetime:
        type: string
      epoch:
        type: integer

  Temperature:
    type: object
    properties:
      fahrenheit:
        type: string
      celsius:
        type: string
      kelvin:
        type: string

parameters:
  TimeZone:
    name: tz
    in: path
    required: true
    description: time zone
    type: string
    enum:
      - "PST8PDT"
      - "MST7MDT"
      - "CST6CDT"
      - "EST5EDT"

  Latitude:
    name: lat
    in: path
    required: true
    description: latitude
    type: integer
    minimum: -90
    maximum: 90

  Longitude:
    name: lon
    in: path
    required: true
    description: longitude
    type: integer
    minimum: -180
    maximum: 180
```

```yaml
name: tz
in: path
required: true
description: time zone
type: string
enum:
  - "PST8PDT"
  - "MST7MDT"
  - "CST6CDT"
  - "EST5EDT"
```

```yaml
type: object
properties:
  datetime:
    type: string
  epoch:
    type: integer
```

```
$ref: "#/definitions/TimeOfDay"
```

```yaml
      - $ref: "#/parameters/TimeZone"
```

```yaml
paths:
  /time/{tz}:
    get:
      description: "Current time"
      x-mojo-name: "time-of-day"
      parameters:
        - name: tz
          in: path
          required: true
          description: time zone
          type: string
          enum:
            - "PST8PDT"
            - "MST7MDT"
            - "CST6CDT"
            - "EST5EDT"
      responses:
        200:
          description: "successful response"
          schema:
            type: object
            properties:
              datetime:
                type: string
              epoch:
                type: integer
        400:
          description: "Invalid timezone"
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```yaml
paths:
  /time/{tz}:
    get:
      description: "Current time"
      x-mojo-name: "time-of-day"
      parameters:
        - $ref: "#/parameters/TimeZone"
      responses:
        200:
          description: "successful response"
          schema:
            $ref: "#/definitions/TimeOfDay"
        400:
          description: "Invalid timezone"
```

```yaml
name: lat
in: path
required: true
description: latitude
type: integer
minimum: -90
maximum: 90
```

```yaml
name: lon
in: path
required: true
description: longitude
type: integer
minimum: -180
maximum: 180
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name: lat
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```

```yaml
name: lon
in: path
required: true
description: longitude
type: integer
minimum: -180
maximum: 180
```

```yaml
type: object
properties:
  fahrenheit:
    type: string
  celsius:
    type: string
  kelvin:
    type: string
```

```yaml
- $ref: "#/parameters/Latitude"
- $ref: "#/parameters/Longitude"
```

```yaml
- $ref: "#/parameters/Latitude"
- $ref: "#/parameters/Longitude"
```

```
$ref: "#/definitions/Temperature"
```

```yaml
paths:
  /time/{tz}:
    get:
      description: "Current time"
      x-mojo-name: "time-of-day"
      parameters:
        - name: tz
          in: path
          required: true
          description: time zone
          type: string
          enum:
            - "PST8PDT"
            - "MST7MDT"
            - "CST6CDT"
            - "EST5EDT"
      responses:
        200:
          description: "successful response"
          schema:
            type: object
            properties:
              datetime:
                type: string
              epoch:
                type: integer
        400:
          description: "Invalid timezone"
  /temperature/{lat}/{lon}:
    get:
      description: "Current temperature"
      x-mojo-name: "current-temperature"
      parameters:
        - name: lat
          in: path
          required: true
          description: latitude
          type: integer
          minimum: -90
          maximum: 90
        - name: lon
          in: path
          required: true
          description: longitude
          type: integer
          minimum: -180
          maximum: 180

      responses:
        200:
          description: "successful response"
          schema:
            type: object
            properties:
              fahrenheit:
                type: string
              celsius:
                type: string
              kelvin:
                type: string
        400:
          description: "Invalid location"
    post:
      description: "Update weather"
      x-mojo-name: "set-current-temperature"
      parameters:
        - name: lat
          in: path
          required: true
          description: latitude
          type: integer
          minimum: -90
          maximum: 90
        - name: lon
          in: path
          required: true
          description: longitude
          type: integer
          minimum: -180
          maximum: 180
      responses:
        200:
          description: "successful update"
        400:
          description: "invalid location"
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```yaml
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  /time/{tz}:
    get:
      description: "Current time"
      x-mojo-name: "time-of-day"
      parameters:
        - $ref: "#/parameters/TimeZone"
      responses:
        200:
          description: "successful response"
          schema:
            $ref: "#/definitions/TimeOfDay"
        400:
          description: "Invalid timezone"
  /temperature/{lat}/{lon}:
    get:
      description: "Current temperature"
      x-mojo-name: "current-temperature"
      parameters:
        - $ref: "#/parameters/Latitude"
        - $ref: "#/parameters/Longitude"
      responses:
        200:
          description: "successful response"
          schema:
            $ref: "#/definitions/Temperature"
        400:
          description: "Invalid location"
    post:
      description: "Update weather"
      x-mojo-name: "set-current-temperature"
      parameters:
        - $ref: "#/parameters/Latitude"
        - $ref: "#/parameters/Longitude"
      responses:
        200:
          description: "successful update"
        400:
          description: "invalid location"

definitions:
  TimeOfDay:
    type: object
    properties:
      datetime:
        type: string
      epoch:
        type: integer

  Temperature:
    type: object
    properties:
      fahrenheit:
        type: string
      celsius:
        type: string
      kelvin:
        type: string

parameters:
  TimeZone:
    name: tz
    in: path
    required: true
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    name: lon
    in: path
    required: true
    description: longitude
    type: integer
    minimum: -180
    maximum: 180
```

When to use JSON Schema?

Working with JSON documents from a foreign source.