



SLIDE



# API Naming Convention



# 1. Use hyphens (-) to improve the readability of URIs

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Bad examples:

```
http://api.example.com/v1/store/vendormanagement/{vendor-id} ❌  
http://api.example.com/v1/store/itemmanagement/{item-  
id}/producttype ❌  
http://api.example.com/v1/store/inventory_management ❌
```

Good examples:

```
http://api.example.com/v1/store/vendor-management/{vendor-id} ✅  
http://api.example.com/v1/store/item-management/{item-id}/product-  
type ✅  
http://api.example.com/v1/store/inventory-management ✅
```

## 2. Use Lowercase letters

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Example: `/users/{id}/pending-orders` instead of `/users/{id}/Pending_Orders`

### 3. Use Nouns to represent resources / Not Verbs

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Bad examples:

```
http://api.example.com/v1/store/CreateItems/{item-id} ✗  
http://api.example.com/v1/store/getEmployees/{emp-id} ✗  
http://api.example.com/v1/store/update-prices/{price-id} ✗  
http://api.example.com/v1/store/deleteOrders/{order-id} ✗
```

Good examples:

```
http://api.example.com/v1/store/items/{item-id} ✓  
http://api.example.com/v1/store/employees/{emp-id} ✓  
http://api.example.com/v1/store/prices/{price-id} ✓  
http://api.example.com/v1/store/orders/{order-id} ✓
```

## 4. Use Pluralized Nouns for resources

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Bad examples (Typical and Singleton resources):

```
http://api.example.com/v1/store/item/{item-id} ❌  
http://api.example.com/v1/store/employee/{emp-id}/address ❌
```

Good examples (Typical and Singleton resources):

```
http://api.example.com/v1/store/items/{item-id} ✅  
http://api.example.com/v1/store/employees/{emp-id}/address ✅
```

## 5. Use forward slashes (/) for hierarchy but not trailing forward slash (/)

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Bad example:

```
http://api.example.com/v1/store/items/✗
```

Good examples:

```
http://api.example.com/v1/store/items✓
```

## 6. Avoid using file extensions

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Bad examples:

```
http://api.example.com/v1/store/items.json❌  
http://api.example.com/v1/store/products.xml❌
```

Good examples:

```
http://api.example.com/v1/store/items✅  
http://api.example.com/v1/store/products✅
```

## 7. Use query component to filter URI collection

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```
http://api.example.com/v1/store/items?group=124  
http://api.example.com/v1/store/employees?department=IT&region=USA
```

GET — Read employee with employee id 8345

```
example.com/employees/8345
```



## 8. Avoid abridging endpoint/resource names

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Example: `/users/{id}/phone-number` instead of `/users/{id}/tel-no`

## Naming convention for APIs all in one!

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Verb	Path	action	used for
GET	/photos	index	display a list of all photos
GET	/photos/new	new	return an HTML form for creating a new photo
POST	/photos	create	create a new photo
GET	/photos/:id	show	display a specific photo
GET	/photos/:id/edit	edit	return an HTML form for editing a photo
PUT	/photos/:id	update	update a specific photo
DELETE	/photos/:id	destroy	delete a specific photo

## Some more tips!

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- Consistency is key!
- Avoid Special Characters.