# Acme Widget API
## Reference Guide

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Acme Inc. — Internal Use Only

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# Introduction

The Acme Widget API provides a RESTful interface for managing widgets across your organization. This guide covers every endpoint, authentication method, and best practice.

## Authentication

All requests require an API key in the `Authorization` header. Keys are scoped to a single project and can be rotated from the developer dashboard.

## Base URL

All endpoints are relative to:

```
https://api.example.com/v1
```

# Endpoints

## List Widgets

Retrieve a paginated list of widgets. Supports filtering by status and sorting by creation date.

## Get Widget

Fetch a single widget by its unique ID. Returns the full widget object including configuration and version history.

## Create Widget

Create a new widget with the specified name and configuration. The response includes the newly assigned widget ID.

# Best Practices

## Rate Limiting

Respect the `X-RateLimit-Remaining` header. When it reaches zero, back off until the `X-RateLimit-Reset` timestamp.

## Error Handling

Always check the HTTP status code. Parse the `error.message` field from the JSON body for human-readable details.

# Appendix: Status Codes

**200 OK**  Request succeeded.

**201 Created**  Resource created.

**204 No Content**  Deleted successfully.

**400 Bad Request**  Invalid input.

**401 Unauthorized**  Bad API key.

**403 Forbidden**  Insufficient permissions.

**404 Not Found**  Resource missing.

**409 Conflict**  Duplicate resource.

**422 Unprocessable**  Validation error.

**429 Rate Limited**  Too many requests.

**500 Server Error**  Unexpected failure.

**502 Bad Gateway**  Upstream error.

**503 Unavailable**  Service maintenance.