API Testing Methodology

API WORKFLOW ● → INTERNAL ————————————————————→ EXTERNAL →

API Definition	API Publish	API Discovery	API Integration & Trials	API Subscription	API Monitoring & Feedback
	• Register API • Define Tiers & Security • Define Throttling • Documentation	• API Directory • API Search • Sample Code/Libraries	• API Exploration • API Testing • Dev & Prod Test Beds	• Discover API • Subscribe to API • Choose Tiers • Generate Key	• Subscriptions & Usage • Throttled Requests • Availability & Usage • Community & Comments

API Testing Ensures…

USABILITY	FUNCTIONALITY	RELIABILITY	PERFORMANCE	SECURITY
Assess ease of: • API Discovery, Subscription • API usage and feedback • Integration with other systems	• Verify & Validate API functionality • Ensure API endpoints are up and working	• Ensure API can be consistently connected to and lead to consistent results	• Validate functionality and performance under load	• Validate API authentication, encryption, and access controls • Check for potential vulnerabilities