

# Developer Center & APIs

DocuSign<sup>®</sup>





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# A Digital World Is a Better World



100s of millions  
of documents have  
been DocuSigned  
by more than

**100 Million Users in  
188 Countries**



DocuSign is available in  
**43 Languages**



**MORE THAN 93 MILLION**  
Successful Transactions in 2015



**125,000+ Users**

Join the DocuSign Global Trust  
Network everyday

# A Digital World Is a Better World



**214 MILLIONS POUNDS  
OF CARBON EMISSIONS  
AVERTED**



**876 MILLION  
GALLONS OF WATER  
CONSERVED**



**920,000 TREES  
PROTECTED**



**73 MILLION  
POUNDS OF WASTE  
ELIMINATED**



**10 MILLION  
GALLONS OF GAS  
SAVED**

# Carrier-Grade



**> 99.99%**

uptime



**3,000+**

Blob trx/sec



**3K+ HTTP**

requests/sec



**Thousands**

of drives, tens  
of PBs of storage



**150TB+**

of flash storage  
powering our  
OLTP system



**100s of Gbps**

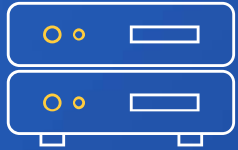
of network  
bandwidth



**54M+**

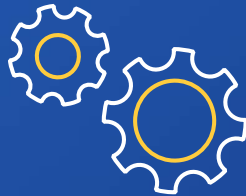
transactions via  
API integrations  
in 2015

# World-Class Security



## Hardware & Infrastructure

- 5 geo-dispersed data centers
- Near real-time secure data replication
- 365x24x7 onsite security



## Systems & Operations

- Separate corporate & production networks
- Two-factor encrypted VPN access
- Active 24/7 monitoring & alerting



## Applications & Access

- Formal third-party code reviews & vulnerability mitigation
- AES-256 encryption
- Encryption key management program



## Transmission & Storage

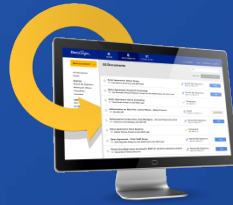
- Secure, private SSL 256-bit viewing sessions
- Anti-tampering controls
- Signature verification of signing events

# Accessing DocuSign



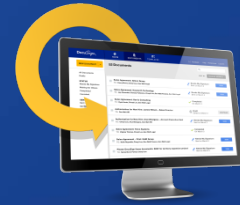
## DocuSign Website and Native Apps

- Full Access to DTM Platform and Features
- Zero configuration
- Any device, any platform, any time



## DocuSign Connectors

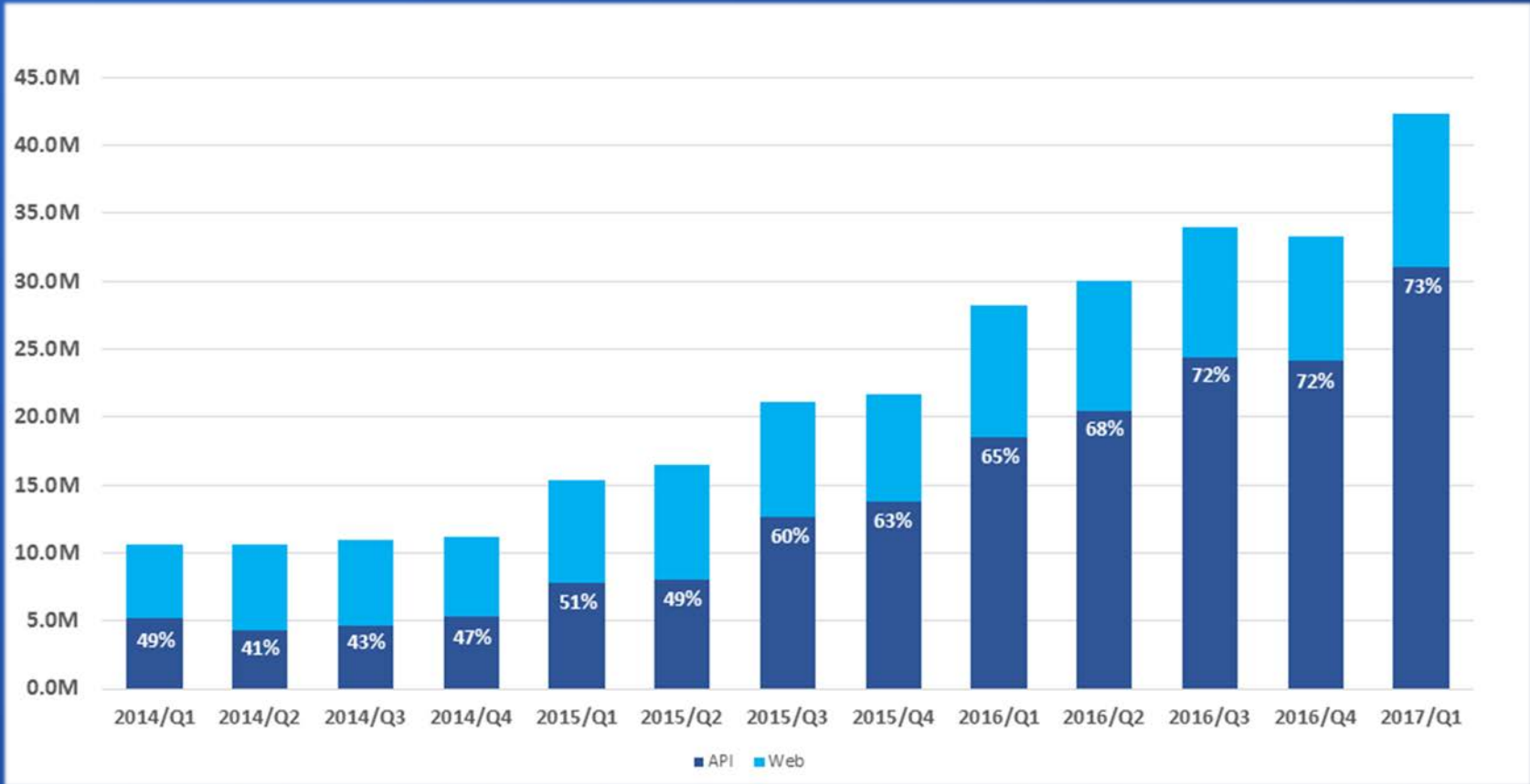
- Pre-built integrations - i.e. DocuSign for Salesforce
- Minimal config required
- Expose subset of DocuSign functionality



## Custom API Integrations

- As flexible as you want
- Development required
- Ensures your business-cases perfectly covered

# The API is driving exponential growth @DocuSign



# Common Terms

## **Envelope:**

A “package” that contains document(s), recipient(s), tab(s), and workflow. Used to send signature requests.

## **Recipient:**

Someone who receives an envelope and depending on their settings can sign the document(s), enter information, or take other actions.

## **Tab:**

(AKA Field or Tag) Used to indicate where a recipient signs or takes other actions on the document(s) within a given envelope.

## **Template:**

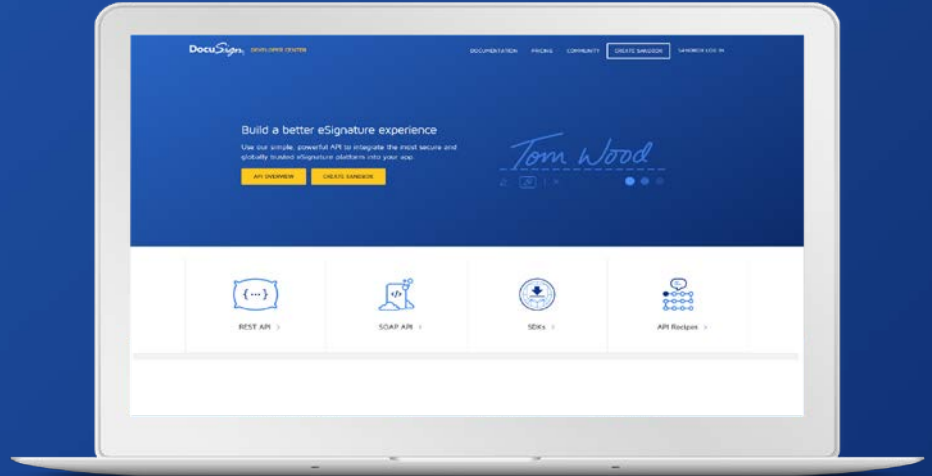
A design-time object used to streamline the sending process. A “cookie-cutter” envelope.

## **Integrator Key:**

A 41-digit GUID used to identify your integration and authenticate your API requests. Also used as your `client_id` during OAuth flows.

# DocuSign Developer Center

- Learn about our APIs
- Free Developer Sandboxes
- Open source SDKs
- Visual API Explorer Tool
- Sample Apps and Recipes
- API Pricing
- Support on Stack Overflow



[www.docusign.com/api](http://www.docusign.com/api)

# What's Possible?



**DocuSign  
API**

Send Signature Requests

Embed the Signing Experience

Automate Forms and Data

Track Documents in Real-Time

Multi-factor Authentication

Much More...

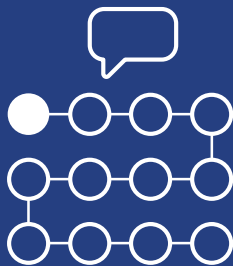
# Developer Tools & Resources

## DocuSign GitHub



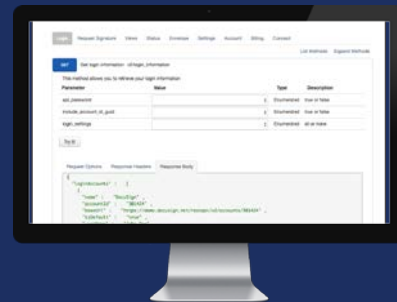
Use Swagger generated SDKs, clients, and tools

## DocuSign API Recipes



Get started quickly with common use cases

## DocuSign API Explorer



Make API calls without code

# REST vs. SOAP

DocuSign offers REST and SOAP APIs:

- REST allows JSON or XML, SOAP only XML
- REST parses faster
- SOAP supports WS-Security
- Small feature gap



**Not a one-time decision – you can mix and match!**

# Authentication

## API Authentication

Custom Auth Header

OAuth2 Code Grant

OAuth2 Implicit Grant

## Recipient Authentication

Nine Authentication methods available:

- SMS
- Phone
- KBA
- GeoLoc
- Others...

# API Signature Request



## Signature Request on a **Document**

- File bytes are passed as part of the request

## Signature Request from a **Template**

- File bytes already server side

## Combination of Templates and Documents

- Composite Templates

# Remote vs. Embedded Recipients



## Sign through DocuSign's UI

- **Remote Recipients** use Email Notifications to initiate workflows
- Full DocuSign functionality



## Sign through YOUR UI

- **Embedded Recipients** use URL Tokens to initiate workflows
- Avoid context switching, expose DocuSign through your App or Website

# DocuSign Tabs

## Free Form Signing

- If no tabs specified, free-form signing experience
- Recipient decides where to place tabs, what type, and how many

## Guided Signing

At least one tab, guided signing experience

Recipient is guided to each tab by 'Next' button

Must sign at sender-defined locations

# Tab Placement Strategies

## Absolute Positioning

- Specify x,y coordinates
- Units in pixels, cms, inches, etc.
- Know position ahead time

## Relative Positioning

- Anchor (Auto-Place) feature
- Location based on actual document content
- Can further offset

## PDF Form Fields

- Based on field location
- Easy to automate
- Only works with PDFs

# Real-Time Status



## Three General Methods:

- Poll Platform for Status
- EventNotification Object
- DocuSign Connect

DocuSign®