

Security at DocuSign

Kathy Ahuja, *Senior Director of Compliance, DocuSign* February 8, 2017



DocuSign is the fastest most secure way to make every agreement and approval digital, so you can keep life and business moving forward.



Security Is a Top Concern



2015 Forrester Digital Transaction Management (DTM) survey reveals:

81% of respondents state "Security" as **top concern** when considering adopting and growing a DTM solution^{*}



The DocuSign Difference

Why Customers Choose DocuSign

Choice

Works with applications, services, and devices you already use.



Experience

Simple to use, implement, and manage, driving immediate user adoption.



Trust

The most reliable and globally trusted service for digital transactions.





Delivering World-Class Risk Mitigation and Security



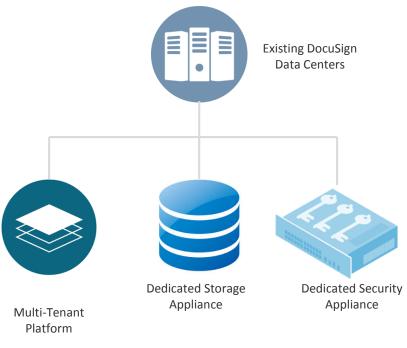
DocuSign: Highest and Broadest Set of Security Certifications



Coming Soon: FedRamp



Path to Authorization



In Process

DocuSign Sponsored by Federal Communications Commission (FCC) for FedRAMP Authorization – 10/17/2016

3PAO Audit

DocuSign's System Security Plan (SSP) and Develop Security Assessment Report (SAR) – 11/14/2016

Authorization

Authority to Operate (ATO) Issued by FCC Anticipated Early 2017



DocuSign Trust Center: Keeping Customers Informed





Raising the Quality Bar Together



The Transaction Management Standard for an Open Digital World



xDTM Standard Governing Board





A Dedicated Team Focused on Risk and Security

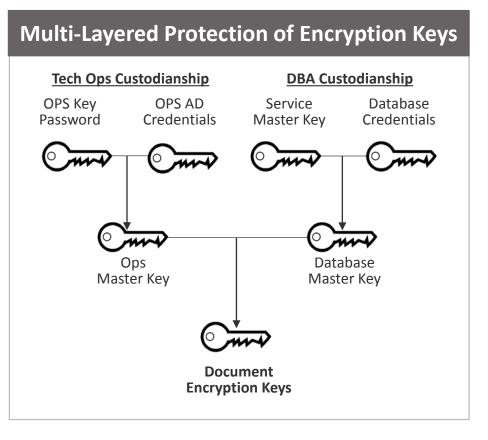
A team of 30+ people and growing that includes bank security specialists

Over 100 years of combined security experience

Headed by DocuSign Legal, with accountability to the CEO and Board of Directors A charter to oversee and manage risk, audit, information security, and physical security, and participate in the xDTM organization



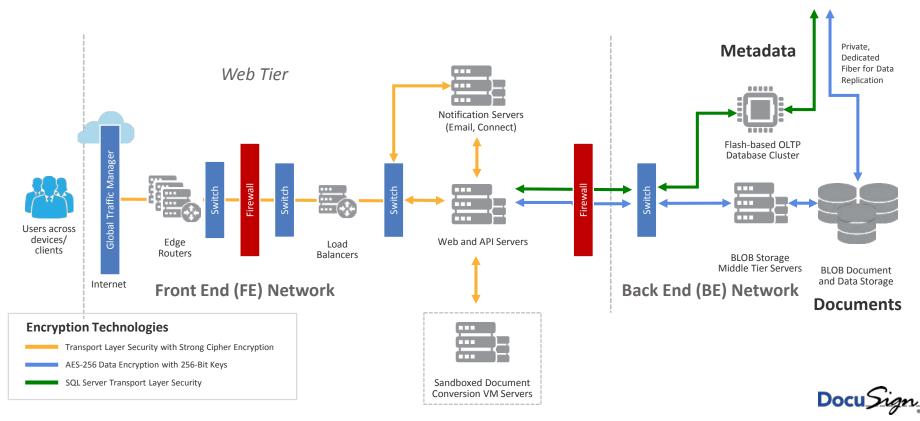
Only Customers Can Access Customer Data



- ✓ All customer data is encrypted at all times
- DocuSign enforces strict segregation and rotation of key custodianship duties to ensure security is never compromised
 - 4 sets of independently held keys are needed to decrypt the document
 - Keys are rotated regularly
- Customer data can only be retrieved by the customer; even the most privileged DocuSign employee cannot access customer data

DocuSign Network Architecture

• Customer data is encrypted at all times using state-of-the-art encryption technology







O Unparalleled Availability and Resilient Performance

Never worry about system availability or disaster recovery again

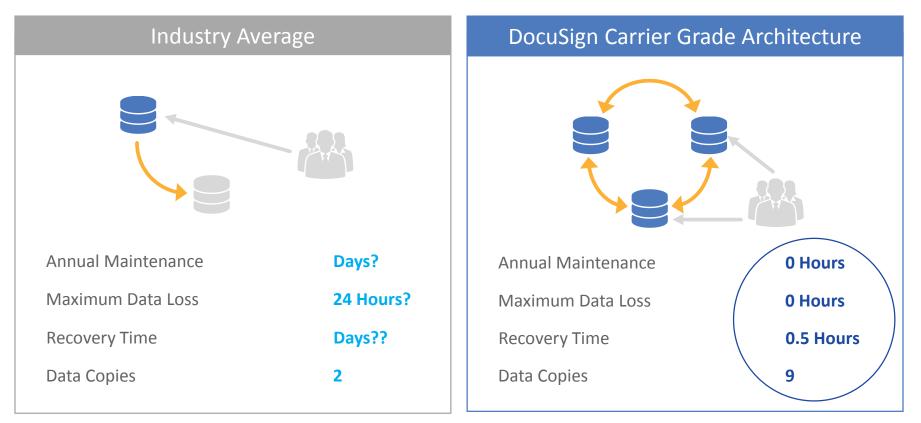
- Carrier grade architecture
- Real-time replicating, active DocuSign sites
- Massively redundant distributed data (9 copies across 3 sites in North American or the EU)
- Fusion IO-powered, flash memory-based OLTP subsystem[®]
- Global load balancing and traffic management with sessionbased site failover
- Choice of data residency within North America or the EU
- Zero maintenance downtime
- Zero data loss in a disaster for maximum peace-of-mind
- Consistently high performance, even at peak load



Pictured: Active-Active-Active Architecture



DocuSign's Carrier Grade Architecture Is Unprecedented in SaaS





We Build a Robust Product by Stress Testing Every Failure Scenario

DocuSign Testing Principles

Make everything fail

• Disk, server, network, dependent infrastructure

Add a lot of stress

- >5000 hours storage stress
- >1,000,000 failure injection cases executed

Get Creative in Failure Scenarios

• Hundreds of executed scenarios



Failure is inevitable. It's what you do after you've failed that matters.

