OfficeX Whitepaper

OfficeX is the superior clone of Google Docs on Web3. Sovereign is sexy.

What is OfficeX

An entrepreneurial status symbol. OfficeX is a superior clone of Google Docs, Slides & Spreadsheets. Designed to be free forever with unlimited local usage and minimal gas pay-per-use cloud. It is 100% permissionless, 100% decentralized, and 100% owned by you.

What makes OfficeX better than Google/Microsoft?
1. Superior Quality
2. Free Unlimited Enterprise
3. Zero-Config Backend

Superior Quality means no signup required, a delightful user experience on any hardware, and true ownership of your data (immune to censorship or bans). It is a fashion statement to use OfficeX - sovereign is sexy.

Free Unlimited Enterprise means it costs $0 to own 10 accounts or 10k accounts. With traditional vendors, you'd be paying $5/month per account. This is game changing for schools, charities & governments.

Zero-Config Backend means no setup required. Typically free open source means a self-hosting burden. Not only is this technically difficult, it also gets more expensive as your organization grows. OfficeX offers all the benefits of open source without the maintenance headache, thanks to the backend running autonomously on the blockchain.

Who uses OfficeX

OfficeX is used by entrepreneurs, students, corporations & governments. Billions of people are in the addressable market. The type of person choosing OfficeX cares about:

1. Excellent productivity and being in flow state
2. Freedom & ownership of their organization without oppression or spying
3. Convenience of getting started and ease of growing
4. Staying lean and not wasting money on predatory SaaS subscriptions
5. Staying secure by providing & owning all employee workspace accounts

Here are a few types of users and why they chose OfficeX:

Hundreds of Millions of People in Iran, Russia, Venezuela and other sanctioned countries cannot use Google Workspace or risk cracked Microsoft Office. Most people prefer using official apps as cracks may contain a virus. There is a general population of 300M+ who face Google restrictions and 1B+ who use cracked software. OfficeX is their freedom gold standard.

Marketing Agencies use OfficeX because every staff member can have their own work account, keeping all work documents safe under admin control. This is extremely affordable with OfficeX, whereas Google/Microsoft would cost thousands of dollars per year or get banned for excessive free plans.

Schools & NGOs use OfficeX because they can provide every student with their own student account for free, saving tens of thousands of dollars per year in subscription fees to Big Tech. The anonymous login also makes it easy for students to share and spread in global south countries.

Foreign Governments use OfficeX because they can guarantee sovereign ownership of their data, without fears of spying from American tech firms. Many underfunded governments also opt to save money on licensing fees.

They are not allowed to use cracked Microsoft Office either due to cybersecurity concerns. Self-hosting is also out of budget due to lack of security expertise. OfficeX is their gold standard alternative.

Short Duration Projects where people need to collaborate but file ownership is not a specific persons' burden, it belongs to the project. This can range from trivial school projects to organizing special operations. Ownership is to "what" not "who".

Why OfficeX

OfficeX exists because 2 billion people pay $65B per year to Google & Microsoft for workspace software (documents, spreadsheets & slideshows). OfficeX disrupts this big tech monopoly by offering superior quality at an unbeatable price - free unlimited forever.

While there are many open source alternatives to Google/Microsoft Office, they all have major shortcomings. Either clunky old software, expensive pricing, or complex to self-host. This is why past alternatives failed to gain significant traction. Looking again at OfficeX's core offer:

1. Superior Quality
2. Free Unlimited Enterprise
3. Zero-Config Backend

See how it stacks up in the cumulative market offers:

- Google/Microsoft - Reliable & Convenient but *Expensive*
- Open Source Alternatives - Cheap but *Inconvenient & Unreliable*
- OfficeX - Reliable, Convenient, Cheap, Sovereign

We see that OfficeX is extremely unique serving a huge gap in the market.

The world needs OfficeX because it enshrines the human rights of collaboration. Today your documents are owned by American tech companies - Google & Microsoft. If they don't like your identity they can lock you out. OfficeX is sovereign in that no one controls your organization except you - true freedom guaranteed by a permissionless blockchain. Liberty.

Technical How It Works

OfficeX is offers functionality in 2 modes:

1. Free unlimited local - all features but not connected to internet
2. Pay per use cloud - share documents over internet for minimal gas fees

This is a very customer friendly model as users only pay for electricity & bandwidth via the blockchain network. This is 97% cheaper than traditional vendors like Google & Microsoft.

This "free unlimited usage" is possible because of its design principles:

Design Principle	Feature Implementation	Emergent Advantages
Local Offline First	Storage defaults to browser session first, then local filesystem. All on client	100% free, zero backend costs, instant usage, no signup, anonymous
Peer to Peer Sync	Realtime collaboration uses WebRTC on client with custom consensus protocol.	99% savings on backend gas (handshake only). All client p2p sync is gas-free
Blockchain Backend	Storage & Logic on ICP backend canisters with factories	Zero-config setup on backend. Easy reliable cloud hosting.
Usage Based Pricing	Gas consumption on ICP canisters	Lowest prices of competition, Most customer friendly

Here's how easy it is to bring OfficeX into your organization:

1. Owner visits officex.app and is immediately given an anonymous account with all features ready to go
2. Owner creates a doc and tries to share it. Must first enable cloud connection by depositing at least $0.10 to their OfficeX account to receive an ICP identity. (Alternatively, they can watch an ad, paid survey, refer friends or use sponsored gas).
3. Owner can now share documents with anyone via their ICP identity or a pre-signed link.
4. Owner can create unlimited new accounts for anyone to collaborate with them, while retaining control via seed phrase. Accounts can be pre-funded with gas for convenience.
5. Enjoy $0 monthly subscriptions, only pay for the minimal gas you use ~$0.01 per month per doc.

This makes it affordable, seamless & satisfying to create compartmentalized workspaces for anything. There is no limit to how large the organization can be, the costs stay affordable and predictable. All with superior app quality.

Brand Philosophy

OfficeX is an entrepreneurial status symbol celebrating liberty and freedom, aka "Sovereign is Sexy". Social media videos are reminiscent of Redbull Energy Drink, with themes of luxury, adventure, travel, youth & the thrill of entrepreneurship.

Using OfficeX is a fashion statement. When you share a doc with a business associate and it starts with officex.app they know you care about performance, quality & winning. Users are intrigued when they see the link and are eager to share their own for the status signal. Traditional vendors appear barren & boring compared to the vitality & sex appeal of OfficeX users.

When users open OfficeX, they get amped up to get work done. They crave the flow state promised by the brand's emotional montages. They associate OfficeX with the risk & rewards of success, to the point where thinking about using the app triggers dopamine akin to mental masturbation, feeling successful by just getting started. Their momentum of confidence results in enthusiastic productive work, fueling a positive feedback loop that makes them crave coming back.

It is not enough to just appear superior. OfficeX branding must constantly frame incumbents like Google & Microsoft as low status software for mediocre mid-wits and subservient betas. Freedom is the everlasting soul of an OfficeX user who dares to "self-host" on the internet computer, untouchable by big tech. The OfficeX aesthetic appeals to both egotistical libertarians, and better-than-thou leftists, and sprawling ambitious enterprise. The digital workspace of the people.

Customer Pricing

OfficeX is incredibly affordable, starting at just $0.01 per month. You only pay for the gas you use. The below table provides a reference guide:

Use Case	Quantity	OfficeX Monthly Gas	Traditional Cost
Private Person	1 Account, 100 Docs no sharing	Free	Free
Student	1 Account, 100 Docs with sharing	$1/month	Free
Company	10 Accounts, 1000 Docs	$10/month	$150/month
School	1k Accounts 100k Docs	$30/month with archive	$3,000/month
Government	10k Accounts 1M Docs	$500/month with archive	$50,000/month

Traditional vendors charge you overhead per account, whereas OfficeX you only pay for the minimal gas you consume. The pricing advantage of OfficeX scales with accounts, which is why we call it "free unlimited enterprise".

OfficeX enjoys a 30% markup with base chain gas fees. For example, a customer spends $10 in gas fees, $3 is earnings for OfficeX. In comparison, traditional vendors apply a 10,000% markup over their compute costs. OfficeX is 333x cheaper.

Why is OfficeX so aggressive with pricing? Because we follow a "Open source eats SaaS" model which is destined to be a race to the bottom on serverless compute. We believe this is the natural outcome of such software.

OfficeX also enjoys a 2.9% fee on gas gated documents. This is a native feature where users can charge a fee to access knowledge in their folders. Think of it as a permissionless info-product shop, powered by blockchain.

Pricing is subject to change with the governance of $OFX token holders.

Tokenomics

OfficeX offers the $OFX token for sale. It has the following tokenomics:

(1) Gas Gated Knowledge
Sell info-products online with permissionless payments. Folders can be natively gated behind gas paywalls. Simply stake some OFX and allow your drive folder to require users pay X gas to access. Users decide their own prices. OfficeX charges a 2.9% fee on gas gated revenue, which is used to auto-buy $OFX and burnt.

(2) Hardcoded Profit Margins
When users topup OfficeX canisters with gas, an extra 30% premium is automatically charged to the bill. This 30% extra gas is immediately used to buy $OFX on atomic DEX swaps then burned. (That is to say, 30% profit is enforced at canister level on topup). This % premium can be changed with a governance vote.

(3) Stake liquidity to earn replenishing gas
Enterprise orgs that wish to auto-refill gas can choose to stake $OFX tokens into DEX liquidity pools to earn yield which acts as replenishing funds to pay for gas. Enterprise can deposit liquidity in pair ICP-OFX, or just $OFX. At a 5% annual return, just $10 staked is enough to pay for an entire drive for a year and you get your $10 back.

(4) Governance Voting Power
Token holders can stake tokens during a governance proposal. Governance is able to do things like change the hardcoded profit margins and other premiums. Changing the profit margin will only affect newly created workspaces going forward (past workspaces won't be affected).

(5) DDoS Protection
Documents can be protected from DDoS attacks by adding a toll fee denominated in $OFX. Since holders of $OFX represent ownership of the protocol, this means the network itself protects you. Attackers are required to buy $OFX on the open market to pay your toll - transferring you more ownership of the network. Tolls denominated in $OFX represent a

merit-based redistribution of protocol ownership.

Note that end users do not need to hold $OFX, they pay the toll in gas which is swapped for $OFX at market rates.

Note that tolls can be denominated in native gas or $OFX, both provide DDoS protection. The advantage of $OFX is that it is permissioned by $OFX sellers whereas gas has no such friction.

Pricing details of the $OFX token sale are to be determined. Email us at admin@officex.app to request early access.

Open Source

OfficeX is open-core. This means the core framework is made public for free use & modification, both personal & commercial. The rest is proprietary code. The below table outlines core parts:

Component	Category	Functionality
Local First Client	Open Core	File management, Offline capabilities, Anon Identities
Peer-to-Peer Client	Open Core	Real-time Collaboration, Eventual Blockchain Sync
Core Contracts	Open Core	Hard security rules, Blockchain Storage
Editor UX Client	Proprietary	Document Editor Apps, Superior UX
Doc Diff Protocol	Proprietary	Document history, change management
Constellation Contracts	Proprietary	Organization management

Open enough to modify or build your own OfficeX (eg. sovereign governments), but not enough to be commercially competitive globally.

The intention of open-sourcing the core is to aid developers to build their own apps that follow this "free unlimited enterprise" model backed by a pay-per-use cloud. We believe this is the future of cloud software.

Team Roadmap

OfficeX is under active development with support from Dfinity (Internet Computer Protocol). The table below outlines past & future milestones subject to change.

Date	Stage	Milestone
July 2024	Pre-Alpha v0.0	Demo concept app, Partnership with Dfinity
Aug 2024	Core Protocol	Open core client & canisters. Drive only. Grant from Dfinity.
Sept 2024	Alpha v0.1	MVP product for users. Iterative development. Drive & Docs only.
Oct 2024	Beta v0.2	MVP improvements from users. Community Building.
Nov 2024	Beta v0.3	Polish & Bug Fixes for Production. Community Building.
Dec 2024	Prod v1.0	Prod Release with active marketing campaign. Drive & Docs only.
Q1 2025	Beta v1.1	Spreadsheets development. Community Growth.
Q2 2025	Prod v1.2	Spreadsheets prod release with active marketing campaign.
Q3 2025	Global Scale	Mass marketing & government lobbying.

Private token sale rounds may occur anytime from Aug 2024 - Dec 2025. Public token sale rounds are scheduled for Q1 2025 on a public launchpad.

Founders - University of Waterloo
10 Years Fullstack Engineer, 7 Figures Digital Marketer
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Closing Remarks

OfficeX is an entrepreneurial status symbol. This whitepaper outlined many reasons why the world needs OfficeX and its competitive advantages. However, changing user habits is incredibly difficult, especially against big tech monopolies. Yet it only takes 3% of the population to make change.

OfficeX is favored by these champions because it is the best tool for the job and protects their right to collaborate. In their victory, the general population follows. Every link shared is a fashion statement - sovereign is sexy.

Be Unstoppable.

- Terran
Founder, OfficeX