Internxt

Welcome to a new Internet.

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Abstract

There is a growing demand for more aspects of the modern Internet to be decentralized. Though Internet applications are built on top of protocols like TCP/IP and HTTP, a large portion of the Internet stack remains centralized. Much of the desire for more decentralized computing systems comes from concerns regarding mass surveillance over the web and security of the files on the cloud. At Internxt we are helping shape a new, more secure, private and efficient Internet. Using the most fundamental infrastructure behind the Internet and with the use of blockchain and decentralized technology, we strive to create a better Internet than the one that is currently available. We believe that right now the cloud is relatively easy to access by hackers trying to retrieve someone's files. Additionally, we believe that Governments and Corporations have too much say over people. Although there needs to be regulation to avoid unethical and illegal activities, as of now, control over people is excessive. Overall, we believe it's time for a better Internet. In the following sections, we explain more about our work, and give details about what and how it will be completed. Welcome To A New Internet. Welcome to Internxt.

Introduction

In an attempt to create decentralized Internet services, Internxt has created X Core, a Peer-To-Peer (P2P) cloud computing network that allows users from all over the globe to cooperate in the creation of a decentralized Internet. Users can sell the resources of their machines to those looking to host their data in a more private, secure and efficient way. X Cloud is the first of a wider range of services that will be making use of X Core. Internxt's cloud platform, X Cloud, will not only offer a superior technology to the one of traditional cloud services, but it will also strive to be competitive in terms of price and user experience. Internxt strives to make an intuitive technology that's as user friendly as the one from already existing top-tier services. Internxt wants to make sure this new Internet is accessible by everyone, regardless of their knowledge, a great focus will be put on providing a seamless transition from traditional services to Internxt, without compromising on features. Internxt is registered in C/ San Vicente Mártir 85, 46007, Valencia, Spain, as Internxt Universal Technologies SLU (B98936354).
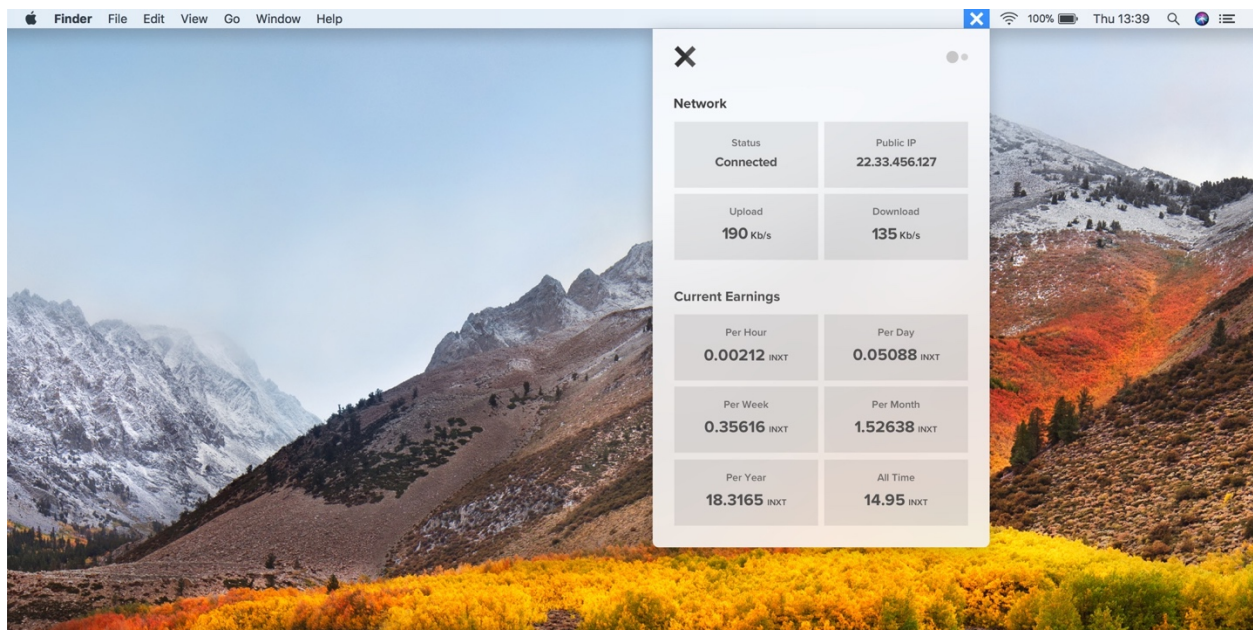
Why

There are many online industries where decentralized computing systems are uprooting existing businesses. With the rise Bitcoin and its underlying technology, industries like e-commerce or file storage amongst many more, are being disrupted by shifting to more decentralized models. Blockchain technology enables many of such applications to be decentralized. P2P systems differ from other distributed systems in enabling the user network to function without the need for an entity monitoring them. In pure P2P architectures, there are no centralized services or control mechanisms dictating the actions of other nodes. Each user decides with how many computing resources he/she will contribute to the network, as well as when and for how long. The architecture is designed to handle large numbers of nodes joining or leaving the network at the same time. In addition, these systems emphasize equality and balance the load across nodes. This flexibility, self-determination and low participation cost encourages a much larger number of participants, which, in turn, greatly increases the number and value of the services provided by the system to all. We plan to make use of such architecture and create a robust network that will be the foundation stone of our technology. Everything ran on Internxt's network will be built using P2P technology. By spreading the files over the network and removing the central points of failure, we remove data centralization and get enhanced security, which is a big flaw of cloud computing that is present today.
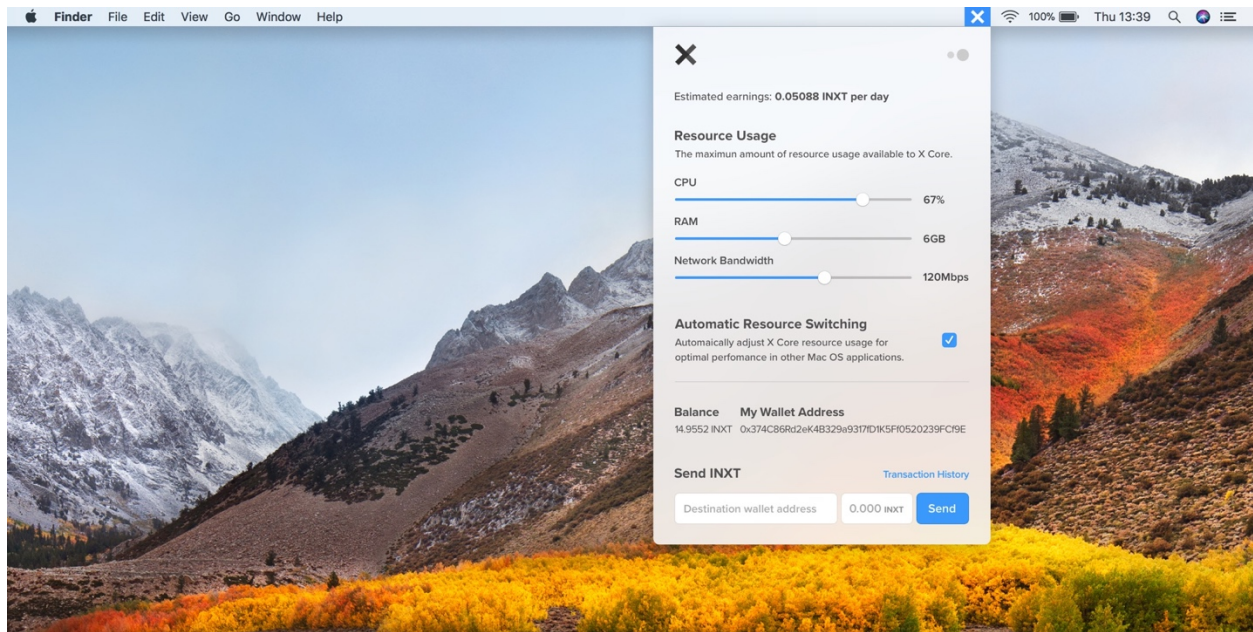
A major issue with existing cloud platforms is security and data centralization. In fact, cloud computing is a computing paradigm, an abstraction where data and services are accessible all over the network to authorized users and processes. Abstraction of computing away from the physical host entails a loss of control of corporate data and loss of visibility into where the data lives and who has access to it. Another dimension to cloud computing with very serious implications for security is the deployment model: who owns the infrastructure and how is it accessed. A Private cloud refers to a collection of resources used by a single organization. This is typically owned and managed by the organization itself, and hence in practical terms is little different than any other data owned and managed by that enterprise. A Public cloud refers to resources accessible by anyone usually over the public Internet, managed and owned by a third party. A third category, Hybrid cloud, refers to a combination of private and public clouds along with the connecting fabric between the two. Our cloud brings a new and revolutionary solution into this. The data is spread on public network ran by users, but all the files are encrypted before being sent out. There are no single points for the hackers to attack, it is very hard for someone to grab a hold of files, and even if they do get them, they cannot use them without the private key held by user. We want to fight this security and privacy issues the current Internet is facing with the development of Internxt.

What

X Core

X Core sits at the very core of Internxt's products and services, giving life to the decentralized era of the Internet. X Core is formulated by hosts. This eliminates the need for a central controller, as each host is important as one another. Hosts donate the unused resources of their computer creating a global network of storage and computing servers. By hosting your unused computer resources on the X Core network, you'll be paid in our cryptocurrency, INXT. You don't even need to be on your computer, you can just leave it running in the background and your computer will earn you passive income. X Core is a simple downloadable open-source application that enables anyone to act as a decentralized node to store and transfer data. Financial rewards for hosting encourages more people to sign up and grow the X Core network. The more hosts, the better the network will run. A dramatic decrease in storage costs encourages a much larger number of users, which, in turn, greatly increases the value of INXT, Internxt's cryptocurrency. The system detects failing nodes and transparently adjusts and corrects the impacted blocks automatically. This removes the destructivity of having data stored in a central location and ensures the network always functions optimally. User files are end-to-end encrypted and split into small pieces when hosted in the P2P network. Each host decides how much computer resources they designate to the network, as well as when and how long for. X Core will automatically find you the optimum host specific to your location, so your data is retrieved much faster. Designed to handle large numbers of hosts joining the network by balancing the data-load across multiple nodes.

✕

Estimated earnings: **0.05088 INXT per day**

Resource Usage
The maximun amount of resource usage available to X Core.

CPU

67%

RAM

6GB

Network Bandwidth

120Mbps

Automatic Resource Switching
Automaically adjust X Core resource usage for
optimal perfomance in other Mac OS applications.

Balance	My Wallet Address
14.9552 INXT	0x374C86Rd2eK4B329a9317fD1K5Ff0520239FCf9E

Send INXT

Transaction History

| Destination wallet address | 0.000 INXT | Send |

X Cloud

Internxt's X Cloud lets you store your files in a truly secure, private and reliable cloud, without compromising on user experience. Make the switch from Google Drive, Amazon S3 or Dropbox to the ultimate decentralized cloud file storage. Internxt is providing you with a new way to store your files. X Cloud is faster, cheaper, and more secure than traditional cloud storage platforms. We believe the intention of creating beautiful design not only ensures pleasing aesthetics but a joyful product experience. We built X Cloud to be simple, intuitive, yet powerful and customizable. Everybody has their own individual style when it comes to how they work, organise and play. We created an interface that can dynamically change to suit your taste, to allow for a more limitless workflow. With X Cloud your data is no longer stored in a central location, but instead end-to-end encrypted, split into pieces, and then distributed amongst different machines all around the world. So now, only you have access to your digital possessions, the way it should have always been. Todays adopted cloud is vulnerable to a variety of attacks which can lead to encryption walls being bypassed, which makes your personal information accessible to hackers. With X Cloud, your stored personal information is also a part of the distributed network, meaning customer information is no longer just sitting in one central location, but split and distributed across thousands of locations. Having multiple machines simultaneously acting together means its much faster at retrieving your files due to having far more computer power serving you at any one time. X Cloud is an open-source network, meaning you are renting people's unused hard-drive space, which results in a dramatic decrease in storage costs for the end user.
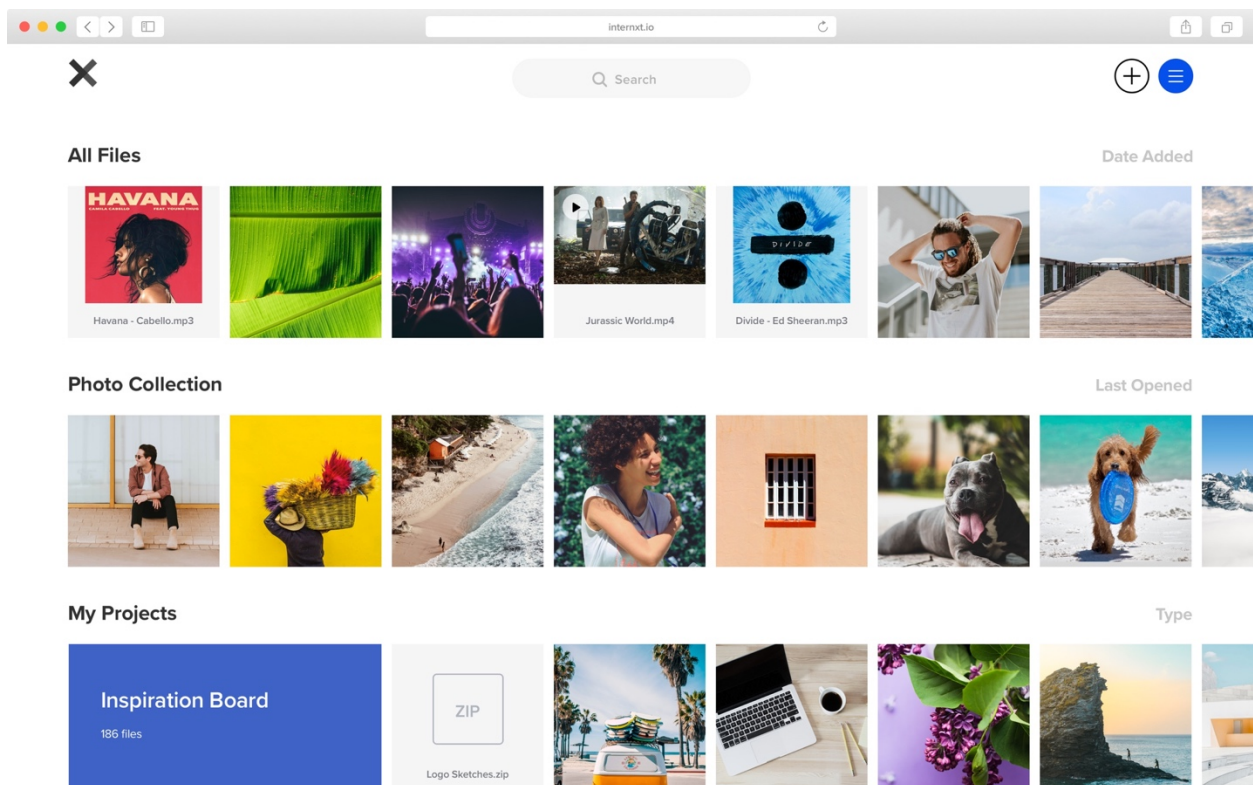
Market position

We are providing a completely revolutionary technology that outperforms the current solutions in the market. As it has already been mentioned, our main competitive competences are privacy, security and efficiency, providing a price at least as good as the one traditional solutions provide. We also want to provide a user experience at least as good as the ones they offer. There already exist a few direct competitors to X Cloud, which provide a decentralized cloud solution that aims to improve the way the Internet is organized. Although there are not many competitors, their decentralized technologies are sometimes outstanding. Even though this is the case, these competitors have not yet become mainstream. We believe that the main issue resides in user experience and marketing. The reality is that, although decentralized technology is overall better than the traditional technology we use, it is too complex for the average user to make a transition from one technology to the other. We are focusing on providing an outstanding user interface, that's as easy to use as the current solutions offered by big corporations. By providing a competitive price and a seamless user experience, we believe that our decentralized internet services will become mainstream.

Token

Internxt's team worked on budgeting how many funds would be needed to create X Core, X Cloud and start marketing and commercializing these. We then ran a small and regulated crowdsale that would fit our realistic needs. We set a soft cap of 500ETH, and ended up collecting 980 ETH. This is more than enough for what we had planned, thus allowing us to greatly exceed our expectations. The crowdsale took place from September $7^{th} - 28^{th}$, 2017. A total of 629,610 INXT were distributed to crowdsale contributors, bounty participants and the company. The unsold crowdsale tokens were locked forever (effectively burned), as can be seen in the [INXT audit](#) an independent company ran. No more INXT will be generated, thus 629,610 INXT is the circulating and maximum supply of INXT. INXT will be used as a means of payment in all our services using X Core. All revenue generated from our decentralized services will be directly converted into Internxt's cryptocurrency token, INXT, fundamentally the same as customers purchasing INXT directly. For instance, a $50m in revenue generated from our products and services during 2018, would mean a direct $50m in buy orders for INXT on public exchanges. This organic demand and the demand from those who purchase INXT directly from exchanges ensures a strong and reliable growth of its price and market capitalization. INXT is also divisible by 8 decimal places, allowing it to have decimal exponents if need be in the future. Gold has value due to its reliable demand, as gold is always likely to be desirable. Some cryptocurrencies rely on everybody agreeing they have value, which may change, particularly if a currency with vastly improved technology becomes available. In contrast, INXT is designed to function as an economy with reliable demand, as all revenue generated from Internxt's products are to be converted into INXT. So purchasing INXT is akin to owning a percentage of Internxt's future growth.