Phoenix LLC

Entity: Name (or first name if applying as a natural person)

Phoenix LLC

Entity: E-mail address

revblc@hotmail.com

Team member introductions

Kris

Kris is Lead Portfolio Manager and Chief Investment Strategist at TER Investments, a multimillion dollar cryptocurrency and digital asset management fund. A leading expert in Bitcoin, Blockchain and Cryptocurrency industries, Kris is at the core of revolutionizing the financing industry across the globe and currently consults and advises for ICO's and other companies. His network includes a range of accredited investors, family offices, and hedge fund professionals.

Prior to founding TER, Kris was involved in risk management and proprietary trading of equities for Swift Trade Canada, and holds the Portfolio Management, Investment Management, and Trading Training designations from the Canadian Securities Institute.

As an early adopter of cryptocurrencies, Kris believes digital assets and tokens are rapidly changing the landscape of commerce.

Jesse

Jesse sits squarely at the intersection of publishing and promotion – having signed two publishing deals on two different continents and navigated the world of becoming a best-selling author twice. It has been his honor to work with 100+ authors from around the world to achieve their dreams of writing and publishing a book.

With constant exposure to books, trends in publishing and the latest marketing techniques for authors, Jesse has a superpower to see the meaning between the lines and create compelling titles, book covers and marketing language.

In addition to being featured on over 50 media outlets for his best-selling book Lifestyle Entrepreneur, Jesse has been an entrepreneur his entire adult life and holds degrees from University of California, Berkeley, as well as National Taiwan University and Beijing Normal University.

Jesse believes Blockchain technology will bring innovation and transparency to the rights licensing side of the publishing industry and plans to be at the forefront of this movement.

Roan

Roan has more than 12 years of professional experience in software and infrastructure development. Having previously worked as a software engineer in the semiconductor industry at ASML, now he is a full stack integration expert.

As Chief Technical Officer for several cryptocurrency projects, Roan is quickly becoming known as an innovator and leader in the blockchain space.

Evgeny

Evgeny is an IT/Telecom systems engineer with over 20 years of experience in telecommunications and information technology. Evgeny holds a Bachelor of Information Technology and Mathematics and a Diploma of Engineering (Mathematics and Programming Languages).

Evgeny spent two years working for Red Hat in the position of Senior Technical Support Engineer, working on high severity and high impact cases. He prides himself on a systematic approach to quickly finding and eliminating non-standard network or system issues.

Evgeny's expert areas include the following:

- Cisco Routers/Switches/ASA, Palo Alto, Fortigate, Mikrotik

- Networks: Design and Operation (Certified as CCNP, CCDA, CCNA Security, PCNSE and RHCE)

- Linux setup, support and performance tuning

* Apache/Nginx * Postfix/Sendmail * MySQL/MariaDB * Nagios/Icinga/Munin/monit * Bind/Unbound - Amazon AWS EBS/S3 and other services

- Troubleshooting of complex network issues

- Linux network stack tuning and optimization

Introduce your Entity/Company

Phoenix is a team of four people who are excited about furthering the Factom Protocol. With varying backgrounds - a cryptocurrency fund manager, the owner of a publishing company, a software engineer, and a full-stack developer, we have come together to embrace this opportunity and add value to the Factom community.

We believe one of the ways we can add value is by hosting a Factom Authority Node. The Phoenix corporation will be operated as a Nevada LLC (for-profit) with the initial sole purpose to run and maintain an Authority Node, and further the use of Factom in regard to intellectual property rights

How many nodes do you envision to run on the Factom Community Testnet (or other testnets?)

2

What type of legal structure does your team use?

LLC

Will you operate as an incorporated company?

Yes

If yes to the above, where are you/will you incorporate? Are your already incorporated?

We are currently in the process of incorporating in Nevada, USA

Are there any major shareholders (>10%) other than the members in your application?

No

Do you and/or your team members have previous experience running a business or managing large capital? If so, make a short writeup of your experience below.

Our members' relevant professional history includes:

2 years operating a successful multimillion dollar cryptocurrency and digital asset management fund

Have taken a company public and worked on multi-million dollar financings

5 years running a highly successful publishing company

Have taken 25 books to #1 best-seller position on Amazon

15 years managing web and application servers in enterprise setups

5 years running a multimillion dollar proprietary trading fund (equities)

Manage large crypto investments and trading portfolios

What has your team done to ensure a proactive approach to managing the financial aspects of your business?

We recognize that cryptocurrencies are volatile and the price of Factoids can fluctuate. As such we have raised an additional $50,000 USD as a standby to ensure completion of our proposed platform by 2019. We will draw on this as needed to ensure our timeline is met and project growth continues.

Initially, we plan to devote 80% of Factoids received to fund project development. The remaining 20% will be used to cover expenses.

Clarify your commitment to the Factom protocol? What have you brought to the table already, and what will you bring in the future?

One node successfully running on the Factom Testnet

Conceptualized and detailed a publishing rights platform and marketplace on the Factom Protocol

Raised $50,000 of capital to ensure project viability

Informed high net worth and accredited investors about Factom's mission and capabilities

Created diverse and skilled team, participated on Factom Discord

What is your/your entity's motivation for applying for hosting Factom Authority servers?

We believe this is an amazing opportunity to participate in a profound new technology which is disrupting industries globally. Our aim is to host an Authority Node and create a transparent marketplace on Factom for intellectual property rights. We believe our efforts will be a small piece of the puzzle which will ultimately magnify Factom's mission globally.

What vision do you/your entity have of the future of Factom?

Factom will be the dominating technology in distributed secure data storage, a leader in the blockchain industry, and a global store of value. Factom will help bring honesty and trust to the world's organizations, making marketplaces more efficient and transparent. We plan to work with Factom to create mass adoption of the Protocol worldwide over the next few years.

What will your efficiency be with only one node?	**0,29999999999999999**
What will your efficiency be with two nodes?	0,55000000000000004

Node #1 Type	**Virtual Private Server (VPS)**
Node #1 Location (VPS: Provider, Region // Other: Country, City, Datacenter)	Helsinki, Finland
Node #1 CPU, Number of cores	8
Node #1 CPU, type & clock-speed	Intel E5-2687W v4 processors performing at 3.0 GHz
Node #1 RAM, amount in GB	32
Node #1 RAM, scalable if < 24 GB	Not applicable (>= 24 GB)
Node #1: Storage, RAID type	MaxIOPS which is a version of SSD but a proprietary solution
Node #1: Storage, Disk type	SSD, MaxIOPS which is a version of SSD but a proprietary solution
Node #1: Storage, Free Size in GB for Factom	640
Node #1: Storage, Do you have a separate factom volume/disks?	Separate volume(s)
Node #1: Connection & uplink speed (not just your NIC speed)	NIC speed: 500 Mbps. In terms of connection speed our cloud server uses virtual software to emulate this

Node #2 Type	**Virtual Private Server (VPS)**
Node #2 Location (VPS: Provider, Region // Other: Country, City, Datacenter)	Singapore
Node #2 CPU, Number of cores	8
Node #2 CPU, type & clock-speed	Intel E5-2687W v4 processors performing at 3.0 GHz
Node #2 RAM, amount in GB	32
Node #2 RAM, scalable if < 24 GB	Not applicable (>= 24 GB)
Node #2: Storage, RAID type	MaxIOPS which is a version of SSD but a proprietary solution
Node #2: Storage, Disk type	SSD, MaxIOPS which is a version of SSD but a proprietary solution
Node #2: Storage, Free Size in GB for Factom	640
Node #2: Storage, Do you have a separate factom volume/disks?	Separate volume(s)
Node #2: Connection & uplink speed (not just your NIC speed)	NIC speed: 500 Mbps. In terms of connection speed our cloud server uses virtual software to emulate this.

Add any other information relevant to server specifications and hosting, including planned availability of your maintenance team and how you would propose to handle an unscheduled restart.

Server specifications may be further optimized and refined according to the Factom network's needs.

We intend to use modern DevOps tools to perform automated upgrades and are committed to having two of our team on-call at all times to monitor and maintain our servers 24/7. This will assist us to provide maximum uptime and reliability.

We are striving to maintain an emergency response time of under 15 minutes. Team members are geographically distributed (US, Europe, Australia) to ensure coverage is available at all times, and our monitoring tools (including TFA-bot) alert us to any failure of our nodes. In the event of an emergency, team members will be alerted via text/phone/email.

In addition, in the event of any serious problems we would look to coordinate with the Factom team on Discord.

Which date did you join the Factom community testnet (approximate date is ok)?
6/22/2018

How does your team administer the nodes (more options possible)?
By more than 1 team member

How many people in your team are able to operate the servers (including direct hired personnel, but excluding hired fallback companies)?
2

How many years of combined experience does your team have on running production servers?
35

Could you elaborate on the production servers your team has managed (amounts, OS-types, purpose)?
ROAN: Experience with web and application servers in enterprise setups, webhosting companies (shared/VPS/dedicated) as Apache, Nginx, PHP, Java, Tomcat/GlassFish, Node, database systems as PostgreSQL/MySQL all with high availability configurations.

EVGENY: 20 years experience with Linux servers, usually fleets. Most managed servers were web servers running Nginx, Apache, PHP-FPM, sometimes with MySQL either on the same server or as standalone DB servers. In addition, experience setting up memcached/redis/mongodb servers, postfix mail server(with various addons and imap/pop3 servers of the client's choice). I know the storage and networking side of Linux inside out and have rich experience in troubleshooting complex issues.

Have you run follower nodes outside the qualified-node pool on the testnet? If so to what effect? Other contributions to the testnet?
We currently run one server on the testnet and have had limited downtime (outside the stalled network which affected everyone on July 18th, 2018). Our team also has experience with Ethereum nodes.

Have you run any mainnet nodes? If yes, please elaborate why, and for how long
No

How are you going to make sure your nodes operate securely?
Our server hardening approach is thorough, and includes or will include the following elements:

Firewall Configuration – We intend to run a Layer 3 hardware firewall in addition to the software based firewall to safeguard Factom ports from being open to the public.

Factom Identities – Best practice means to us that factom-walletd and factom-cli would not be installed on any of our mainnet servers. We plan to keep identity information strictly to USB drives which are encrypted and

held in separate geographic locations. SSH access is locked to a single dedicated IP address. Our login process will require a passphrase encrypted ssh key and 2Factor authentication.

Full OS Patching/Updating – Consistent regular patching and updating of our OS. Our nodes run on Ubuntu 18.04 and the latest version of docker-ce from the official docker repository. OS updates are installed daily and live kernel security patching is enabled, docker updates are held back. Security updates are reviewed weekly, and brain swaps/reboots of nodes are done as required.

How are you going to make sure you are able to respond quickly?

We use monitoring tools (including the TFA-bot) which alerts us if any of our nodes fail or experience problems. In addition, we are using professional alerting services for our personnel which will notify at least 2 technical staff via text/phone/email in different geographic locations, allowing for prompt response times. As has been demonstrated on the testnet, our personnel are available to respond in a timely manner. We are striving to maintain an emergency response time of under 15 minutes. If the Factoid price supports it in the future we will consider options for additional support personnel.

Could you provide a picture on how you would see your ideal auth node infrastructure?

Our ideal is a dependable, secure, adaptable, and automated structure.

Our ideal authority node would be a high availability cloud based system which allows us to grow vertically, and scale for things like storage and memory. As the needs of the Factom protocol increase we would maintain the flexibility to grow alongside Factom. An ideal system includes 24/7 availability and monitoring, with the new TFA-bot continuously monitoring our nodes.

A Layer 3 hardware firewall is incorporated in addition to the software based firewall to safeguard ports from being open to the public. Identity information is kept to USB drives which are encrypted and held in separate geographic locations. SSH access is locked to a single dedicated IP address. Our login process will require a passphrase encrypted ssh key and 2Factor authentication.

Our nodes would be hosted in varied geographic locations, maintaining one follower node for each hosted authority node. OS updates are installed daily and live kernel security patching is enabled, docker updates are held back. Security updates are reviewed weekly, and brain swaps/reboots of nodes are done as required.

A third-party network security expert would audit our architecture and make suggestions for improvement.

There is no doubt that our infrastructure would change and adapt as the needs of the network develop and progress.

Free-text. Add any additional information deemed relevant.

Please see that attached PDF document

Add any application supporting files here

https://drive.google.com/open?id=16cT7W1VjvFZxrhG_JLibq5y0Axu9BJjn