

Dear Sir / Madam

Thank you for your interest in establishing an EIA blockchain node. The following text will inform you about the necessary infrastructure and the installation procedure.

The necessary infrastructure includes:

- A server with Linux Debian 64 bit installed. If a virtual server is used, it must be fully virtualised.
- A subdomain *blockchain*<domain name> (for example blockchain.company.com)
- A subdomain *peer0*. *blockchain*<domain name> (for example peer0.blockchain.company.com)
- A subdomain *peer1*. *blockchain*<domain name> (for example peer1.blockchain.company.com)  
Note that <domain name> should be the name of the second level domain used for your company website. This requirement is in accordance with the EIA blockchain principles of transparency and credibility.
- A fixed IP address, pointed to these subdomains (the DNS A Record of all three subdomains should be assigned to the aforementioned fixed IP address)
- Please check whether the following IP ports are accessible from the Internet (it is possible your firewall should be adjusted):

IP ports which should be accessible:

- 7051
- 8051
- 3000
- 80
- 443
- 7050
- 8050
- 9050

All these IP ports are necessary for the regular running of the blockchain.

Before you start the installation, we need information about access to the SSL certificate, used for HTTPS - encrypted connection to your subdomain blockchain. We will join this certificate to the application safeguard. If you have not your private SSL certificate, we can include the free certificate *Let's Encrypt* in your installation pack. In this case, please ask Mr. Jakub Vodsedalek [vodsedalek@elachain.cz](mailto:vodsedalek@elachain.cz).

The installation process is simple. We will provide you with a link to download the pack of prerequisites. After launching, it creates the necessary folders, scripts and installation file. During this procedure you will be asked to manually copy the install-env file to a specified folder. This file will be sent to you individually; it contains information specific to your node such as identity, certificates, safeguard components, etc. The main installation packs are saved in the cloud repository, downloading and installing will arrange the installation software automatically, and you will be simply guided throughout the whole process. After finishing the installation, we will apply a set of remote tests checking the availability and regular function of your node and join your node to the network. It will be processed using a special irreversible blockchain transaction, which can be initiated only by ELA Blockchain Services. Your node will then synchronise with the actual copy of the blockchain and be ready for full operation.

Please forward any enquiries concerning the infrastructure and installation to Mr. Jakub Vodsedalek [vodsedalek@elachain.cz](mailto:vodsedalek@elachain.cz).

We look forward to your node becoming a part of the EIA blockchain network.

Otto Havle, Managing Director of ELA Blockchain Services