



MAY 2018

# EOS Argentina

EOS BLOCK PRODUCER CANDIDACY

---

Prepared by EOS Argentina Team

# INTRODUCTION

---



Due to strict monetary regulations in past years, Argentina became the cradle for Bitcoin adoption and Blockchain Innovation in Latin America. A lot of well-known industry leaders and start-ups have been born in this country.

Our main goal is to promote Blockchain adoption through the use of EOS in a country that is already famous for being “Blockchain friendly” and emulate this success in other parts of Latin America. We believe that our continent is in urgent need for Blockchain Transparency.

EOS Argentina wants to guarantee a global, decentralized and collaborative development for

EOS blockchain, for these to happen Latin America has to be part of the network of 21 Block Producer nodes.

We want to improve the performance of the network in the region by improving the latency, generate autonomous communities and provide free training courses, disseminate activities in Spanish, organize local hackathons, as well as generate liquidity in local currencies for greater adoption of the EOS token in Latin America.

A combination of cultural and economic factors, has made Argentina a reference in the entrepreneurial ecosystem of Latin America (with more than four unicorns to its credit). From a hostile socio-economic component, Argentine entrepreneurs have managed to position themselves as pioneers in the scenario of crypto-currencies and the blockchain. Perhaps because of the great inflationary processes added to the lack of transparency in their democratic processes, Argentine entrepreneurs

# INTRODUCTION

---



have understood and quickly capitalized on the potential of crypto-currencies.

One of the first Bitcoin conferences in Latin America, was the LaBitConf 2013 that brought together many of the early-adopters of that time as Erik Voorhees, Charlie Shrem, Roger Ver, Andreas Antonopoulos, among others. Thanks to the efforts of the local crypto community, and especially Diego Gutierrez Zaldivar and the people of the NGO Espacio Bitcoin, the evangelization that was born in our country has been able to expand to the entire region, generating new events such as LaBitConf Rio (Brazil) , LaBitConf México, and LaBitConf Colombia in which the

main actors of the world of cryptocurrencies and blockchain have attended, such as Nick Szabo, Peter Todd, Brock Pierce, among others.

Argentina has several crypto-companies, as is the case of Ripio, Bitex.la, Xapo, Bitfarms, Signature, RSK, Btctrip, among others, also in the recent boom of the "ICO" (Initial Coin Offering) several start-ups with Argentine founders have achieved great rounds of financing such as Decentraland, Inbest Network, Winding Tree, among others. It is also important to remember several brilliant minds within the blockchain developers, such as Sergio Lerner (RSK), Manuel Araoz (Zeppeling), Matias Romeo (DEV Team of EOS), among others.

We want to take all this history and knowledge that binds our region to the evolution of the cryptocurrencies and blockchain, to form the EOS Latin America community.

# INTRODUCTION

---

We will use 100% of the funds in strengthening the EOS infrastructure in the region: creating a coding school, incubating new EOS projects, and reaching out to local governments to generate democratic transparency tools.

We do not support “vote-buying” or sharing dividends with our voters, instead we will use the income generated by the BP to help grow the community and its ecosystem in the region.

We hope that the global EOS community shares this vision of a better world from the first great experiment in global governance, offering their support to decentralization by geographic regions and the symmetrical development of all EOS communities.

EOS ARGENTINA TEAM

---



An aerial, high-angle photograph of a busy city street, likely in New York City, showing a grid of streets with cars, buses, and pedestrians. Tall buildings line both sides of the street, and a construction crane is visible in the distance. The image is in grayscale and serves as a background for the text.

# MAIN OBJECTIVE AND GOALS

---

EOS Argentina is a community based project, our efforts will focus in encouraging the use of the EOS Blockchain. To accomplish this task we will work on the following objectives:

**Community Building:** We have organized several Meetups where the community has the chance to meet in person and talk about EOS. We will continue to organize these events, but not only in Buenos Aires, also in other parts of Argentina and Latin America.

**EOS Tech Promotion:** One of the main tasks of EOS Argentina will be to attend and organize conferences to discuss the advantages and use cases of the EOS Blockchain.

**Dapps:** We believe that blockchain technology will improve people's life through the use of decentralized applications, this is why we will create tools and programs that will always be free to use and open source.

**Infrastructure:** Our Server Locations will be distributed strategically to give our Latin American users the best experience possible and provide geographic decentralization to the network.





# COMMUNITY ROADMAP

---

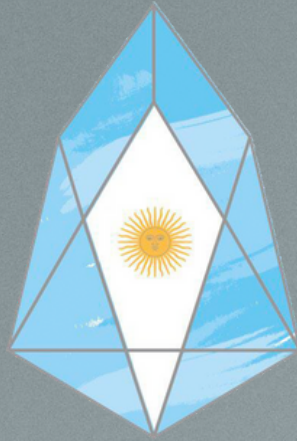
EOS Argentina is a Community Block Producer Candidate, therefore we have decided to focus our RoadMap not only in technical terms but also in our community initiatives and activities.

It's important, however, to state that this RoadMap depends upon our future position as a BP, since we can not at this point estimate the resources we will have available for the upcoming months.

In this regard, we have outlined a feasible plan for the next 12 months:

<b>MARCH 2018</b> Candidacy Announcement & Creation of Social Media Channels.	<b>APRIL 2018</b> Launch of EOS Faucet, Block Producing Node at Jungle Testnet.
<b>MAY 2018</b> Release of EOS AURORA Testnet	<b>JUNE 2018</b> Launch of mainnet nodes and infrastructure.
<b>JUNE/JULY 2018</b> EOS Inauguration Party at Buenos Aires.	<b>AUGUST 2018</b> Live Coding Session.
<b>SEPTEMBER 2018</b> Live EOS Latin American Hackathon. We shall pick best projects as incubees.	<b>NOVEMBER 2018</b> First EOS Academy Training, open to the whole Spanish Speaking Community.
<b>DECEMBER 2018</b> We have secured a speaking slot at the largest crypto event in the region, the "Latin American Bitcoin Conference" in Santiago (Chile). We'll be talking about the great potential EOS has for Latin America.	<b>JANUARY 2019</b> EOS Argentina Incubator grand opening.
<b>FEBRUARY 2019</b> EOS LATAM Academy launches.	<b>MARCH 2019</b> Academic year starts with a 6- month course on EOS programming.





# EOS ARGENTINA: A BLOCK PRODUCER FOR LATIN AMERICA

---

"The key to decentralization is to balance the power and mutual accountability between the individual and the community." - Dan Larimer



# TEAM INVOLVED

## WE HAVE A GREAT MIX OF PROFESSIONALS AND WE ARE GROWING

From day one we have been concerned about having an experienced team that carries out the task of launching a new blockchain in a smooth manner.

For that we have congregated a team that has a great mix of professionals in Development, Operations, Marketing, Management, International Law, Entrepreneurship and Science.

Most of the team has been involved in the crypto world for several years in particular with Steem and BitShares.

RNGLab team has recently joined us, they are a top 21 BitShares witness, that not only has the experience of being there during the launch of BitShares, but also maintaining the network for over 5 years.



**Sebastian Castro**  
Systems Administrator  
Marketing Expert



**Jesús Chitty**  
Founder of Blockchain Argentina  
Steem Witness



**Martín Fernández**  
Founder of BTCtrip  
CEO HotelP2P  
Business Development



**Gustavo Mickiewicz**  
Software Engineer  
Community Liaison



**Sergio Yuhjtman**  
Mathematician  
EOS enthusiast



**Carlos Fernández (Dr. Waldo)**  
Bachelor in Computer Science  
Master in Direction and Technology  
Advisor



**Gonzalo Arzuaga**  
Serial Internet Entrepreneur  
(sold 2 companies)  
Author of "Money 2.0" about  
Cryptocurrencies  
Fund Manager



**RNGLab Team**  
Top BitShares Witness



**Luis Brecci**  
Blockchain Legal Expert  
Master in International Law



# INFRASTRUCTURE

---



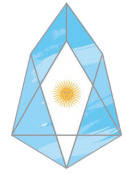
## INTRODUCTION

The objective of this section is to provide a high level design of the EOS Argentina Block Producer Infrastructure, to create this Blueprint we consolidated different sources of information, including factors of the current context and the community data collected at the moment. During the last months we have tested different architectures, we have analyzed reports, taken the feedback from other BPs, we have participated in multiple testnets including EOS Bios, Jungle, EOS Host, eosio.sg and others and we have created our own EOS Aurora Tesnet. We have also taken advantage of the experience of our team in previous graphene chains (bitshares and steem) to optimize our model looking for quality and failover speed.

Our plan is to implement the infrastructure architecture in two stages:  
Launch Stage and Stable Stage



# INFRASTRUCTURE



## LAUNCH STAGE

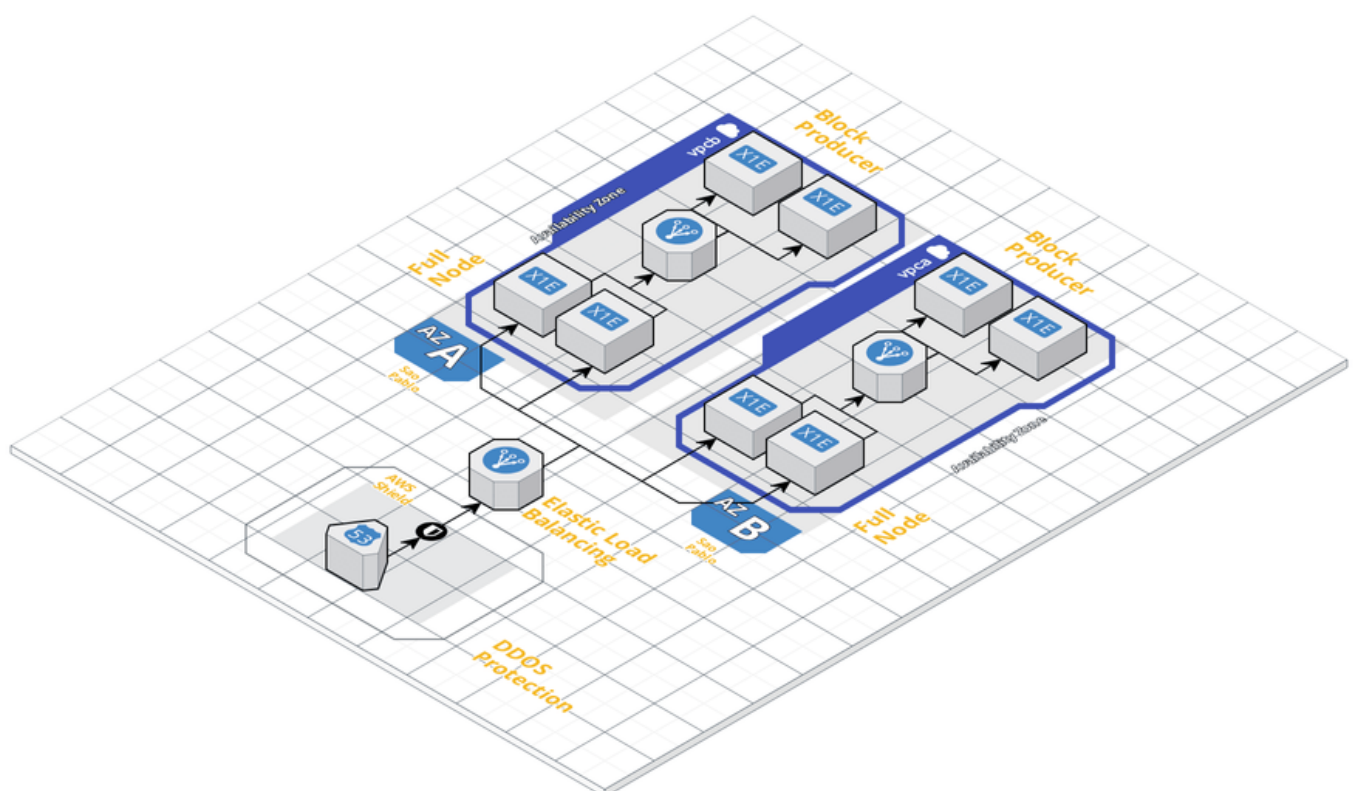
During EOS.IO Launch EOS Argentina will use cloud servers from Amazon Web Services (AWS) and Google Cloud Services, both in South America premises, in order to provide enough flexibility during the initial stage in which the infrastructure requirements are not fully defined and adapting fast to the changing environment will be mandatory.

We have identified 2 types of architectures:

### Block Producer Architecture

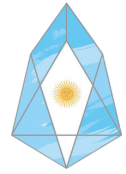
For the BP architecture we plan to use 2 Cloud Providers for cloud service redundancy, while also having redundancy within each of the Cloud Providers.

The Master-Master architecture that we are intending to use provide a high level of flexibility, allowing just one data center to sign the blocks, while every data center is ready to sign simply by changing the signature key in the blockchain. The activation of a



# INFRASTRUCTURE

---



## LAUNCH STAGE

specific data center (or failover) is done by sending a transaction to the EOS.IO blockchain which changes the block producer key. The need for failover is detected by watching several points of the blockchain (with a participation rate > 80%), if the block producer account has lost blocks, we send the tx to switch data centers, this same approach has been used by our team to failover in BitShares which has a very similar witness model.

### API + Seed Node Architecture

For API + Seed nodes we will be running multiple nodes in parallel.

## TESTNETS

Testnet: Jungle Testnet  
Producer name: eosargentina  
Organization: EOS Argentina

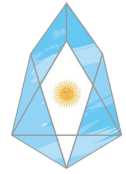
EOS Aurora  
Producer name: Multiple Producers  
Organization: EOS Argentina

EOS Host Testnet  
Producer Name: eosarg  
Organization: EOS Argentina

EOS BP Infraestructure (before ghostbuster):  
Producer name: eosargentina  
Notes: This was the early testnet inside a mesh VPN.

# INFRASTRUCTURE

---



## STABLE STAGE

While Cloud Services provide the initial required flexibility, once the requirements of EOS.IO are more clear and stable we are planning to move to a bare-metal architecture which will provide more efficiency.

Scalability Key Points:

- Scaling: Implement bare-metal data centers in LATAM.
- Infrastructure Failover: Maintaining a fall back on Cloud.
- Juridical Failover: we will have multiple contracts in multiple jurisdictions.
- Security: For TX signing, we are going to use a HSM Hardware Security module.
- API + Seed nodes will be maintained on the Cloud using EC2 and Google Cloud.







# EOS AURORA TESTNET

Anyone can connect to the Testnet and run a full node and it would be their responsibility to run the latest version. To prevent forks, EOS Aurora will be strict in rejecting peers on different versions and we recommend everyone participating to have the network-version-match set to 1 in their config to reject peers not using the same p2p protocol.

## EOS FAUCET (EOSFAUCET.IO)

Time	Testnet	To	Quantity (EOS)	Total	Tx	Node
2018-05-0313:59:5...	jungle	dogo	1.005	2	4d8f5b5a5d8f5c242...	n2.eosargentina.io
2018-05-01122:47:54...	eosargentina	@wido	0.5 EOS	0.5	d8b4d9d29d5e646...	167.99.6.154.8889
2018-05-01120:57:54...	jungle	eosargento2	1.005	1	f35d9d843d7776d2...	n2.eosargentina.io
2018-05-01114:58:54...	eosargentina	gustavo1213	0.5 EOS	0.5	f19c28838fa6d41...	167.99.6.154.8889
2018-05-01120:28:0...	jungle	eosargento1	1.005	3	60f62d13d7ad6d36...	n2.eosargentina.io
2018-05-01120:28:0...	jungle	eosargento1	1.005	2	wf015dc72d9d9d96...	n2.eosargentina.io
2018-05-01120:26:12...	eosargentina	eosargento2	0.5 EOS	0.5	x323933435ea76c26...	167.99.6.154.8889
2018-05-01120:25:5...	jungle	eosargento1	1.005	1	90e5c39c8eaf88c09...	n2.eosargentina.io

A multi-testnet faucet for developers to obtain tokens for their Dapps.



# COMMUNITY ORIENTED

---



EOS Argentina is a community based Block Producer; what this means is that we are not a company and we don't seek profits. Any surplus generated by the BP will be invested in Community Building and EOS Tech Promotion.

In order to do this, we have already been organizing Meetups and Hackathons in our local Community (Buenos Aires), but with the help and resources of a top BP we could do much more, in our mid term plans we have:

- Create an EOS Academy for free-consulting and teaching the use of the EOS Blockchain.
- EOS Latam Incubator, in this short time, since we announced our candidacy, we have already been approached by a few startups that want to build Dapps on the EOS Blockchain. We plan to support this startups with our guidance, developer support and bandwidth.
- Attend LaBitConf, the biggest Latin American Bitcoin Conference and secure a speaker place to talk about the EOS Tech and its capabilities.
- Collaborate with other BP candidates from Latin America to organize EOSLatam Summit, a yearly conference hosted in different cities of our continent.
- More meetups and hackathons, not only in Buenos Aires, but in other parts of Argentina and Latin America.



# COMMUNITY ORIENTED

---

We have been developing [eosfaucet.io](https://eosfaucet.io), a tool that allows the dev community to obtain free testnet tokens to develop and test out the EOS Blockchain.

EOS Merchandising, shirts, stickers and other P.O.P material to be distributed in our events.

This is just the tip of the iceberg of a list of many community building ideas that we wish to implement. We know that Blockchain Tech can change the life of the poorest in Latin America and we want to build an army of developers that carry this message to the towns and cities of Latin America.







## EOS ARGENTINA @ SOCIAL MEDIA

Community-focused, we are close to our community, we keep in touch

---

Website: <http://www.eosargentina.io>

Twitter: [@eosargentina](https://twitter.com/eosargentina)

Steem: [@eosargentina](https://steemit.com/@eosargentina)

Facebook: <http://facebook.com/groups/EOSArgentina>

Telegram: <https://t.me/joinchat/AUBfjQwHHMFvshLX-kuRA>

MeetUp: <https://www.meetup.com/EOS-Argentina/>

Youtube: [https://www.youtube.com/channel/UC\\_dz2VEDJ7NyfGCyahKY8LA](https://www.youtube.com/channel/UC_dz2VEDJ7NyfGCyahKY8LA)

Email: [info@eosargentina.io](mailto:info@eosargentina.io)

