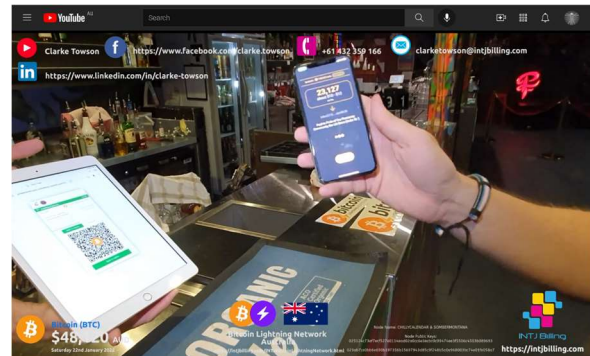
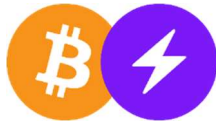




<https://intjbilling.com>



<https://www.facebook.com/PrideofourFootscray>



The Pride Of Our Footscray Community Bar Bitcoin Lightning Network Implementation Case Study

INTJ Billing implemented a BTCPay Server to empower the bar to sell drinks and accept payments via the Bitcoin Lightning Network.

Author: Clarke Towson CEO INTJ Billing

Date: Monday 24th January 2022

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“When customers swipe using their debit or credit cards it takes us four days to see the money and for a small business like us that’s a long time so it’s amazing to see Bitcoin Lightning Network payments go through to us so quickly. It was instant! This will give another point of difference to the bar and I hope people will enjoy it and use it.”



Mat O’Keefe CEO Pride of Our Footscray Community Bar

“The Bitcoin Lightning Network is the most efficient payment system in the world and it’s expanding globally at an exponential rate. The benefits for businesses large and small to save the money they’re currently paying to the banks and payment processors are just too good to ignore. Pride Bar estimated that if every customer paid with Bitcoin using the Lightning Network, they would save almost \$40,000 AUD per year in bank and payment processor fees and charges not to mention the amount of staff time and effort saved in the reconciliation and handling of physical cash. Yes, we’re early with this. There’s a steep learning curve to run your own node. It’s technical and complex at the moment but that’s why I’m here to help teach, guide and coach businesses and their customers successfully with this. Implementing the Bitcoin Lightning Network now puts your business a good 5 years ahead of the curve. In life and in business you really want to skate to where the puck is going!”



**Clarke Towson CEO INTJ Billing
Computer Scientist & former Federal Government Supercomputing
Specialist**

Introduction

The Pride of Our Footscray Community Bar is an LGBTQIA+ bar located in the suburb of Footscray in Melbourne, Australia. The bar is famous for its friendliness, fun and amazing live entertainment. The bar has established itself as one of the best destinations in the western suburbs of Melbourne for live drag shows, live music, to comedians, poets and transgender showgirls. The bar is welcoming to all and has developed deep links to a number of diverse communities which gives the bar great insight and opportunities for developing unique products and services catering to both the general community at large and to communities that previously had been difficult to reach.

How Pride Bar is utilizing the Bitcoin Lightning Network

Pride Bar CEO Mat O'Keefe has been a long-term Bitcoin fan and investor and has followed Bitcoin's development closely since early 2017. A discussion in early November 2022 with INTJ Billing CEO Clarke Towson led to a plan to implement bitcoin lightning network payments at the bar so customers could pay for drinks using bitcoin. Clarke became interested in Pride Bar shortly after the bar first started. The concept of a community owned bar with over 200 shareholders was very interesting to Clarke when he read about the bar in the media and downloaded and read through the bar's prospectus. Clarke greatly believes in the power of community and had been working with his business partner Paul on developing a transgender night at Platform One in Banana Alley Flinders St. Paul made Clarke aware of Pride Bar and the transgender cabaret shows that the bar had been running once a month and that it might be an opportunity to help develop a transgender night at Pride Bar instead and to help the bar with what they were doing by joining forces with them. This led to a meeting with Pride Bars CEO Mat O'Keefe which led to the filming of the once-a-month Trans Showgirls events and the creation of the Trans Showgirls YouTube channel: <https://www.youtube.com/channel/UCsvy3LXkZJUvik7rt45mK1w/videos>

A great working relationship had been established and the potential to do more for the LGBTQIA+ community was recognised. With Clarke's skills in computing and his deep knowledge of Bitcoin the opportunity to implement the bitcoin lightning network at the bar was seeded. It was just a matter of when we would do it.

In September of 2021 El Salvador became the first country in the world to adopt bitcoin as legal tender. This was a shot heard all around the world. It was at this point that Clarke started working intensely on the bitcoin lightning network and developing the plan to implement the bitcoin lightning network for Pride Bar.

BTCPay Server & Ride the Lightning

INTJ Billing CEO Clarke Towson had left his previous role as a federal government high performance computing (supercomputing) specialist and was looking for opportunities in the Bitcoin space. Since leaving full time employment Clarke set up his own computing infrastructure and started working full time at INTJ Billing a company he founded in early 2015 which was set up in order to enable

Clarke to offer online services to the public which were highly speculative or very new. One of the servers Clarke set up is called Ulysses. Ulysses is a species of butterfly. All of Clarke's servers are named after butterflies. The butterfly is the international symbol for transgender people and Clarke being a volunteer in the transgender space the butterfly was the ideal naming convention for his servers. This Ulysses server is a CentOS 8 Linux virtual machine which has BTCPay Server installed on it. The server was first setup in March of 2021. From early November 2021 to mid-January 2022 Clarke spent his time working many hours on his BTCPay Server with a focus on Ride the Lightning which is how we interact with the Bitcoin Lightning Network for a GUI. Clarke created a lightning network node with the alias Chillycalendar and purchased inbound liquidity from Yall's, Bitrefill, Coincept and LNBig so the node was able to accept incoming bitcoin payments. Each day Clarke opened new payment channels with other lightning network nodes located around the world with a focus on opening channels with nodes in countries which need bitcoin the most. Countries with high inflation, dictatorships, unstable countries, etc. Clarke opened payment channels with nodes in Australia and in countries from around the world including the USA, Canada, Ireland, Iran, El Salvador, Ukraine, Russia, China, Brazil, Colombia, Singapore, Thailand, Sweden, Costa Rica and India. Clarke's lightning network node is ranked number 2 in Australia in terms of the amount of Bitcoin it has on it and the number of nodes and payment channels it has opened to other nodes on the network.

On INTJ Billings website Clarke created a technical notes page as he worked through the process of establishing his Bitcoin Lightning Network node:

<https://intjbilling.com/INTJBitcoinLightningNetwork.html>

The page serves as a great resource for new lightning network node operators that are new to the space and would like to get set up quickly by following Clarke's leadership. As Clarke continued working through everything with Pride Bar, he then created a list of all the Bitcoin services he provided to Pride Bar into a business focused page:

<https://intjbilling.com/INTJBitcoinLightningNetworkConsultingServices.html>

Results – Time saved handling physical cash, faster bar service, money is the bars as soon as the payment occurs, all accounting work is done automatically and for free.

Accepting bitcoin via the lightning network is a faster method of payment than handling physical cash. Cash exchange at a bar is always a bottleneck due to the time and effort required in order to exchange the cash and provide change. This during busy periods leads to lines at the bar with increased waiting times for customers and higher workloads for the bar staff.

With the bar now using the bitcoin lightning network an iPad sits behind the bar which has Firefox opened on it and the website of Pride Bars BTCPay Server is bookmarked and is always open. The bartender need only browse to the drink the customer wants, add it to a cart, add the tip if any and then hold the iPad up to the customer so the customer can use their bitcoin lightning network wallet to scan the QR code then swipe to send bitcoin. The payment is made instantly, the bitcoin is added to Pride Bars lightning balance instantly and all the accounting work is done automatically and instantly. The transaction has been made, settled and the money received instantly. This has never been possible before in all of human history!

Functionality implemented at a high level

1. A laptop with CentOS 8 installed on it which is running BTCPay Server and Ride the Lightning along with custom scripts that Clarke has added to keep the server up and running and provide as much uptime as possible.
2. The laptop runs a new lightning network node specifically for the bar by the name of SOMBERMONTANA:
<https://1ml.com/node/023ab7ce0bb6e690b197356b15697943d85c9f248b5a0e968003bc74e01fe058a7>
3. Payment channels opened from SOMBERMONTANA to INTJ Billings node CHILLYCALENDAR. CHILLYCALENDAR is a well-connected node on the lightning network.
4. Inbound liquidity for sombermontana purchased from Yall's, Bitrefill, Coincept and LNBig so the bar is able to receive payments for drinks from customers using the lightning network.
5. Creation of accounts on 1ml.com and Lightning Network Plus+.
6. Creation of a Point-of-Sale App/online store for the sale of drinks from an iPad behind the bar.

Pride Bar short term goals, Pride long term goals. What Pride hopes to achieve with the Bitcoin Lightning Network in the short term and over the next few years.

Short Term Goals:

1. Get Bitcoin Lightning Payments up and running at the bar.
2. Get a BTCPay Server up and running for the bar.
3. Start the process of learning to use and operate a lightning network node in house by the bars CEO Mat O'Keefe and bar staff.

Long term Goals:

1. Encourage more customers to use the bitcoin lightning network for drink payments.
2. Save a lot of money by reducing the amount of fees paid to the banks and payment processors.
3. Be an innovator in the bar space by being one of the very first bars in Australia to accept Bitcoin payments via the Lightning Network.
4. Reduce the amount of time, effort and labour involved in the reconciliation of physical cash. Getting change out of the bank, counting it, putting it back in, having to withdraw money in cash before a big weekend to have change in the register, etc.
5. Reduce the amount of time it takes to service each customer at the point of sale / bar.

6. Help support the development and use of the Bitcoin Lightning Network.
7. Provide a way for the business to HODL Bitcoin by selling products (drinks) in exchange for Bitcoin (satoshis) via the lightning network.
8. Become their own bank and their own payment processor in order to save money on fees and charges that are paid out to these middle men.

AUSTRAC Regulation

Clarke consulted AUSTRAC's website and conducted a check for both INTJ Billing and for Pride Bar to determine if there was a need to enrol or register with AUSTRAC in order to comply with Australia's anti-money laundering and counter-terrorism financing law and to report to AUSTRAC

<https://www.austrac.gov.au/start>

The result of the checks indicated that neither INTJ Billing nor Pride Bar were required to register as digital exchanges or money transmission providers.

INTJ Billing set up a server running BTCPAY Server and provided that server to Pride Bar for them to run 100% independently of INTJ Billing. INTJ Billing acted as the expert technology consultant to set everything up but is not acting as a merchant. Using BTCPay Pride Bar has in effect become their own bank and their own merchant provider but they are doing this only for themselves and not for a third party. INTJ Billing is not providing merchant services or financial services nor money transmission services.

Bitcoin Lightning Network Technology Services provided by INTJ Billing to Pride Bar

Linux Operating System installation on a laptop which is currently connected to INTJ Billings corporate network.

Installation of all software server and security updates.

Installation of [docker](#), [BTCPay Server](#) and [Ride The Lightning](#).

Installation of INTJ Billings [custom written scripts](#) to ensure service uptime and other important functions.

Configuration of Pride Bars server's security settings.

Installation of an [SSL certificate](#) for Pride Bars new lightning network server.

Installation and configuration of [Apache](#) and [NGINX](#).

Port forwarding on INTJ Billings router to ensure incoming connections can be made to Pride Bars BTCPay Server Ride the Lightning instance.

Configuration of the firewall on Pride Bars server to ensure ports are accessible so other nodes can connect to Pride Bars node correctly.

Configuration of INTJ Billings DNS and name servers to create a subdomain specifically for Pride Bars BTCPay Server.

Purchasing Bitcoin for Pride Bar.

Transfer of Bitcoin on Chain to Pride Bars Bitcoin Lightning Network Node.

Purchase of inbound liquidity from [Yall's](#), [Bitrefill](#), [LNBig](#) and [Coincept](#) to ensure Pride Bar are able to

receive payments to their node SOMBERMONTANA from paying customers.

Channel opening to other lightning network nodes and advice on channel size, prominent nodes on the network and opening channels to appropriate nodes.

Advice on engaging in [liquidity swaps](#) with other lightning network node operators and advice on becoming an opener and trusted node operator.

Creation of accounts on [1ML.com](#) and [Lightning Network Plus+](#), adding custom text about Pride Bars node on these websites.

Creation of Pride Bars Store in BTCPay Server.

Creation of Pride Bars Bitcoin Wallet in BTCPay Server.

Securing of Pride Bars Bitcoin Wallet in BTCPay Server.

Assisting Pride Bar with writing down their [Bitcoin Seed Phrase](#) for their store and how to secure it.

Creation of Pride Bars Point-of-Sale App in BTCPay Server and working with their bar staff to add drinks to their store.

Creation of an excel file of Pride Bars server's configuration settings.

Testing of Pride Bars Lightning Network store, purchasing products and services from their store to ensure customers can do this successfully.

Guidance on how to successfully administer and operate Pride Bars Bitcoin LN node.

Guidance on liquidity providers and how to purchase additional incoming liquidity from [Y'alls](#), [LNBig](#), [Bitrefill](#) and [Coincept](#).

Guidance on websites applicable to Pride Bars server including [1ml](#), [lightningnetwork+](#), [amboss.space](#), [Inchannels](#), [mempool.space](#), [terminal.web](#), [cheeserobot](#), [lightning node match](#), [Inrouter](#) and [Innodeinsight](#)

Guidance for Pride Bars staff on how to use their new lightning network node.

Handover of all of Pride Bars server configuration settings and security details.

The presentation of a custom developed training video on [Bitcoin Lightning Network administration](#) and walking through all the commands in this video.

Passing to Pride Bar [a spreadsheet of all the commands they need to know in order to successfully run their Bitcoin Lightning Network node independently of INTJ Billing](#).

Presentation to Pride Bar of the Bitcoin Lightning Network custom metal pin indicating their status as a bitcoin lightning network first mover, innovator and righteous person in the space.

Consultation on [battery backup solutions](#) and UPS for uptime reliability of their node.

Details of prominent pioneering people in the lightning network space to follow on YouTube, Twitter and other social networks.

Explanation of key terms Pride Bar needs to know about their node including node id, Clearnet node URL, Tor Onion network URL, port numbers etc.

Working as a technology liaison between Pride Bar and a KYC/AML solicitor to ensure they are not a designated service as per AUSTRAC's anti-money laundering and counter terrorist financing act 2006 <https://www.legislation.gov.au/Details/C2021C00243> section 50A "exchanging digital currency for money (whether Australian or not) or exchanging money (whether Australian or not) for digital currency, where the exchange is provided in the course of carrying on a digital currency exchange business".

Advice on securing Pride Bars seed phrase off site.

Talking staff through the language differences between being a PayPal merchant and a Bitcoin Lightning Network merchant.

Explaining to staff [the state of the bitcoin lightning network](#), where it's at, number of nodes on the network, etc.

Explanation of [inbound and outbound capacity and how it changes when transactions are made and](#)

[purchases are made from Pride Bars drinks store.](#)

Explaining [common lightning network wallet error messages and how to work around them.](#)

Recommendations of [lightning network wallets](#) for Pride Bars customers to use for easy purchases from their store.

A walkthrough for staff of the work Clarke has done for [Pride Bar in Footscray in getting their lightning network node operational and empowering their customers to purchase drinks at the bar fast and in a completely cashless way.](#)

A walkthrough of how to use a [Satoshi to AUD calculator.](#)

Printing of [Bitcoin Lightning Accepted Here signs](#) for display at Pride Bars Point of Sale

Full handover training so Pride Bar can effectively operate their new lightning network online store including:

1. How to buy bitcoin for the business on Coinspot.
2. How to send that bitcoin to Pride Bars BTCPay Server Ride the Lightning instance.
3. How to send bitcoin from Pride Bars BTCPay Server Ride the Lightning instance to Pride Bars Wallet of Satoshi wallet on their mobile phone or iPad.
4. How to use that bitcoin in Pride Bars Wallet of Satoshi to purchase products from their online store. This is a great demonstration as to how their customers will experience buying from their store.
5. How to convert bitcoin received at Pride Bars store back to Australian currency.
6. How to send satoshis from one BTCPay Server Ride the Lightning instance to a second BTCPay Server Ride the Lightning instance.

Creation of a YouTube video https://www.youtube.com/watch?v=Y0MuWmcE7_o&t=90s detailing the point-of-sale process of selling drinks in exchange for bitcoin via the lightning network

Big wins

TBA as the system starts being used by customers.

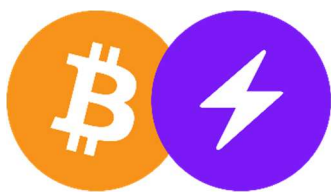
Number of transactions

TBA as the system starts being used by customers.

The key takeaway message from this case study is the money that will be saved in the future by not paying merchant fees to Visa, Mastercard, the banks etc

Pride Bar estimates that if every customer used the lightning network to pay for drinks the bar would save almost \$40,000 AUD in fees per year which are currently paid to the banks and payment processors. This is a large amount of money for a small business. Just imagine what a medium or large sized business could save! As more and more businesses start to use the lightning network and more and more customers demand to pay using bitcoin, we will see more business move away from traditional payment rails due to the sheer amount of money that can be saved on no longer paying fees and charges. The lightning network is currently an emerging medium of exchange. INTJ Billing estimates Pride Bar is approx. 5-7 years early with this implementation but is well poised to take full advantage of the benefits that the lightning network offers.

Conclusion



Bitcoin Lightning Network benefits:

YOU are your own bank and YOUR OWN merchant provider.

Instant, real-time payment and settlement. No delay whatsoever in you getting paid.

Minuscule fees in comparison to Visa, Mastercard and the banks.

No need for you to pay any merchant processing fees.

Capable of over 40 million transactions per second across the network which blows away Visa, Mastercard and the banks.

You get to secure your funds independently and you're the underwriter for all of your transactions.

Settle fiat transactions in real-time which means instant liquidity. You can convert the bitcoin received back to fiat / AUD currency at any hour of the day on a fully functional cross-border platform. This type of functionality to get paid 24 hours a day, 7 days a week, 365 days per year instantly has never existed before in human history.

Funds are fungible (individual units known as 'satoshis' are interchangeable and each part is indistinguishable from another part), and the movement is logged on the ledger, so there is proof the money has been sent. No follow ups, no delays, no bank holidays.

Micropayment friendly. Perfect for small and micro value transactions. Lightning can send payments as low as 0.00000001 Bitcoin (0.00060 cents) as at 17th Jan 2022 without custodial risk.

Incredible benefits for small businesses to get paid instantly.

Fast, off chain transactions.

Real time settlement.

All the accounting happens automatically with a detailed electronic record of all transactions.

Financial freedom, financial self-sovereignty, huge cost savings especially for small businesses.

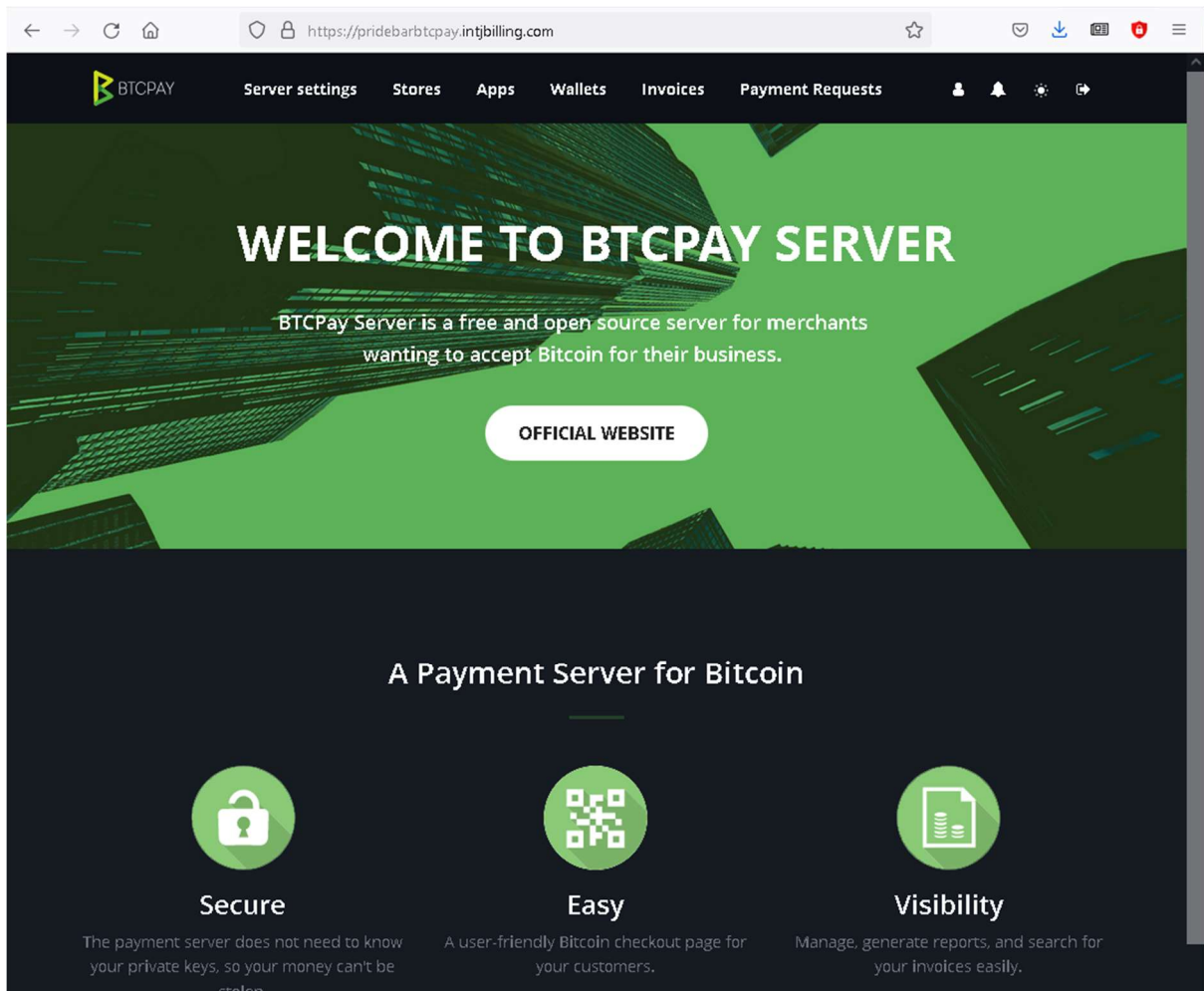
Sometimes, 2-3% of small businesses' gross revenue is lost to credit card fees due to vendor, supplier, and utility payments. If you begin using the Lightning Network, you will dramatically reduce the costs of these transactions in your business.

Much less energy usage. Lightning scales non-proportionally to energy usage and is designed to work on a peer-to-peer network leveraging other people's existing connections.

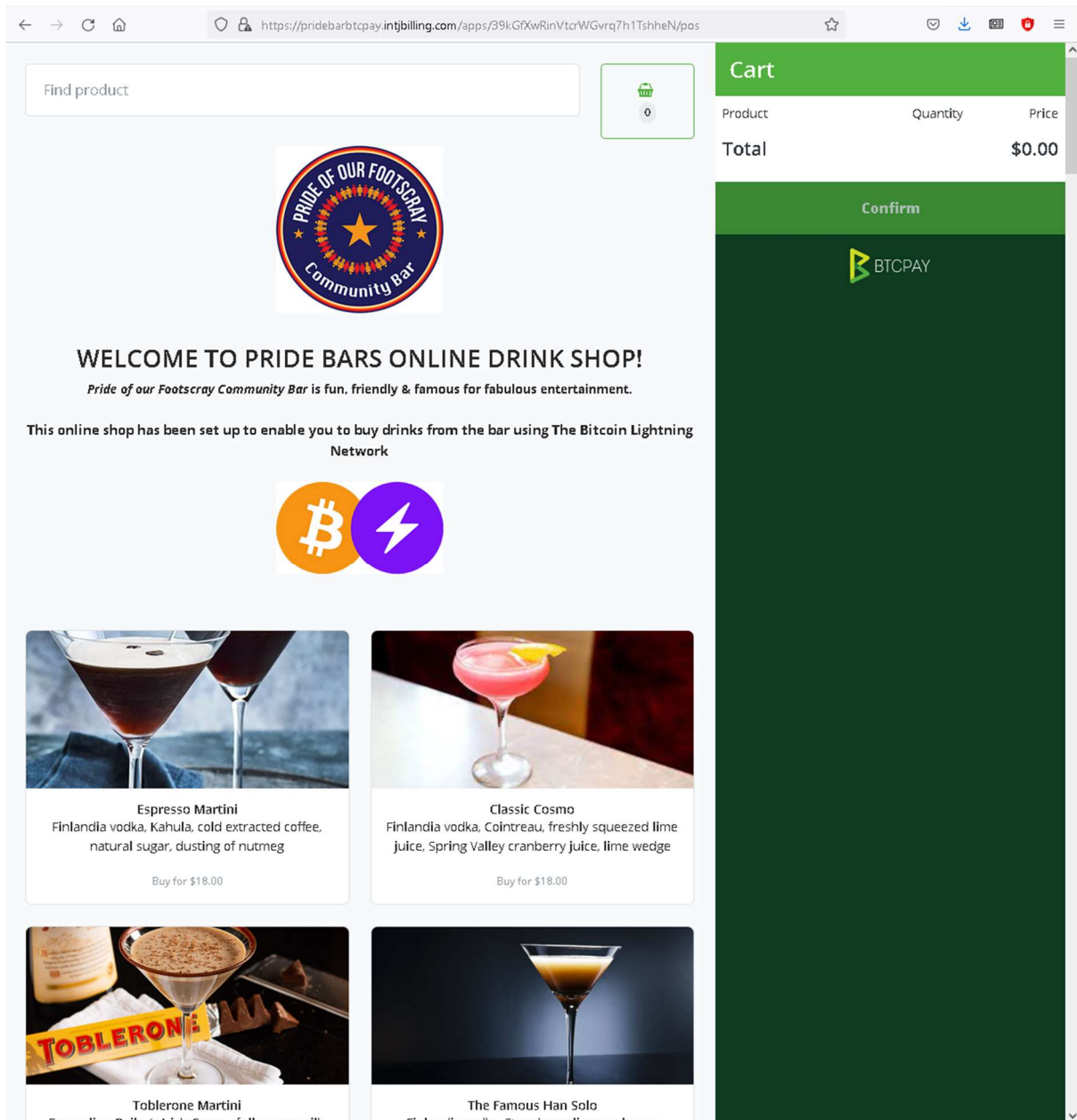
Does not use the computational power necessary to confirm blocks on chain.

In 2021, [Galaxy digital](#) estimated the total annual energy consumption of the existing banking system to be 263.72 TWh usage. Bitcoin's energy usage may seem large at face value, even on a [purely transactional level](#), but the carbon emissions are even lower than some everyday activities that few describe as excessive energy use – and The Lightning Network is behind this.

First mover advantage over your competition in implementing the most efficient payment system in the world!



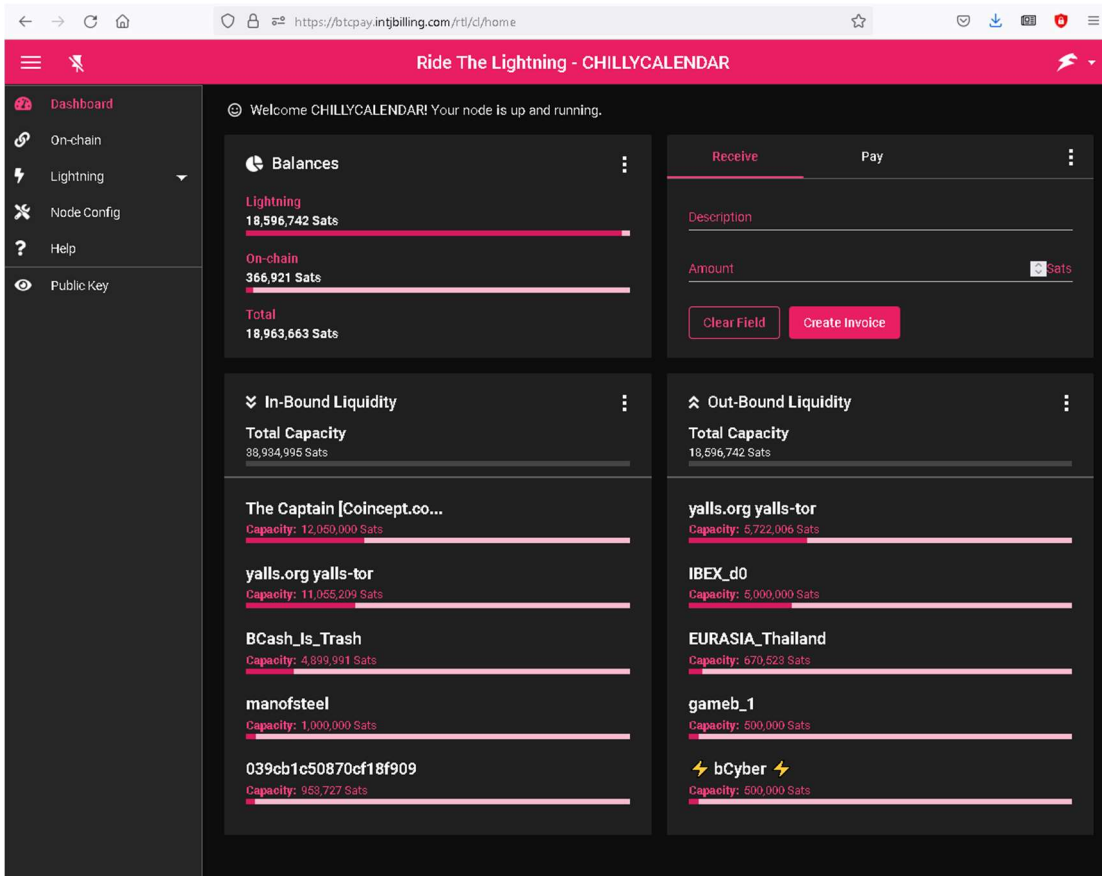
Screenshot 1: Pride Bar's BTCpay Server



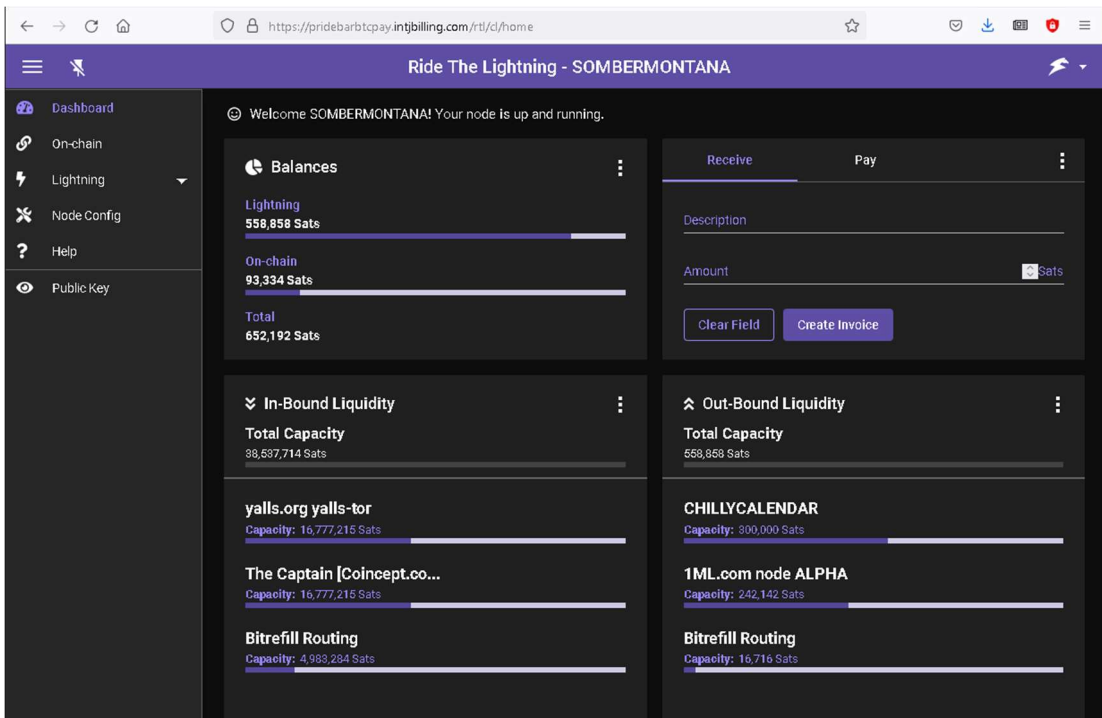
Screenshot 2: Pride Bars Point of Sale App. App runs on an iPad behind the bar.



Screenshot 3: Pride Bar recommends customers use Wallet of Satoshi the world's simplest Bitcoin Lightning Wallet.



Screenshot 4: INTJ Billings Bitcoin Lightning Network node.



Screenshot 5: Pride Bars Bitcoin Lightning Network node.

← → ↻ 🏠 <https://1ml.com/node/023ab7ce0bb6e690b197356b15697943d85c9f248b5a0e968003bc74e01fe058a> 🔍

1ML 🐦 Directory Locations Tools - Newsletter Feedback Dashboard clarketowson@intjbilling.com

Search

Public Node

Capacity
0.39096572 BTC (0.012%)
39,096.572 sat
\$16,898.06

Channel Count
5 (0.006%)

Connected Node Count
5 (0.026%)

Color
#023ab7

IP Addresses
202.153.222.237:9735
5yoylg5mr2smt2tv77jq3bogtlljxn
bukv22msuahkoldqjqkzmrqd.on
ion:9735

Owner Info

📄 <https://www.facebook.com/PrideofFourFootscray/>

🐦 twitter.com/offootscray

🔌 BTC Pay Server Ride
The Lightning


📄 Linux CentOS 8

📍 Melbourne, VIC, AU

Overview Channels Statistics History Neighborhood Monitor

Public Key:
023ab7ce0bb6e690b197356b15697943d85c9f248b5a0e968003bc74e01fe058a7

023ab7ce0bb6e690b197356b15697943d85c9f248b5a0e968003bc74e01fe058a



WELCOME TO PRIDE BARS BITCOIN LIGHTNING NETWORK NODE! Pride of our Footscray Community Bar is fun, friendly & famous for fabulous entertainment. Pride's community of 200 part-owners have all signed the following pledge: "I am part of the human race and I respect diversity, including but not limited to, diversity of thought, opinion, gender, culture, ethnicity, religion and sexuality". This node is used by the bar so customers can purchase drinks for Bitcoin using the Bitcoin Lightning Network!

Hardware
Laptop Intel(R) Pentium(R) CPU 6405U @ 2.40GHz with 8GB RAM

Networking
NBN Fiber high speed link

Node Rank™ Lower is better

CAPACITY 1527 CHANNEL 5467 AGE 19272 GROWTH 126 AVAILABILITY

Capacity Ranking

Gunslinger

1524 0.392 BTC \$16,942.76 (0.001 BTC \$44.70 +0.26%)

Channel Count Ranking

02a260971294e455cfc9

5463 5 (0.000%)

027892f5df9b77521189

Screenshot 6: Pride Bars Bitcoin Lightning Network node on 1ml.com

LightningNetwork+ Swaps Nodes Watchtower Posts FAQ CHILLYCALENDAR

Bitcoin Lightning Network Node

SOMBERMONTANA

Rank: 5 / Titanium Node
Capacity: 39,096,572 SAT (~0.391 BTC)
Channels: 5

1 Channel Open

View Channels

Clearnet Lightning Address

```
023ab7ce0bb6e690b197356b15697943d85c9f248b5a0e968003bc74e01fe058a7@202.153.222.237:9735
```

Copy Show QR

TOR Lightning Address

```
023ab7ce0bb6e690b197356b15697943d85c9f248b5a0e968003bc74e01fe058a7@5yoylg5mr2smt2itv77q3bogtlijxbukv22msuahkoldajqknzmrqd.onion:9735
```

Copy Show QR

Pubkey

```
023ab7ce0bb6e690b197356b15697943d85c9f248b5a0e968003bc74e01fe058a7
```

Copy Show QR

SOMBERMONTANA
Last seen 2 days ago · Joined 2 days ago

Pride of our Footscray Community Bar is fun, friendly & famous for fabulous entertainment. Pride's community of 200 part-owners have all signed the following pledge:

"I am part of the human race and I respect diversity, including but not limited to, diversity of thought, opinion, gender, culture, ethnicity, religion and sexuality".

This node is used at the bar so customers can purchase drinks in exchange for Bitcoin via the Lightning Network

Verified

Description

Screenshot 7: Pride Bars Bitcoin Lightning Network node on LightningNetwork+

INTJ Billing provides high quality Bitcoin Lightning Network consulting services to businesses located worldwide.

Linux Operating System installation on your server on premises or in the cloud.

Installation of all software server and security updates.

Installation of [docker](#), [BTC Pay Server](#) and [Ride The Lightning](#).

Installation of INTJ Billings [custom written scripts](#) to ensure service uptime and other important functions.

Configuration of your server's security settings.

Installation of an [SSL certificate](#) for your new lightning network server.

Installation and configuration of [Apache](#) and [NGINX](#).

Port forwarding on your router to ensure incoming connections can be made to your BTC Pay Server Ride the Lightning instance.

Configuration of the firewall on your server to ensure ports are accessible so other nodes can connect to your node correctly.

Working with your IT staff to configure your DNS and name servers and working with your domain name registrar to configure your domains correctly to point to your new lightning network server.

[Purchasing Bitcoin for your business](#).

Transfer of Bitcoin on Chain to your Bitcoin Lightning Network Node.

Purchase of inbound liquidity from [Yall's](#), [Bitrefill](#), [LNBig](#) and [Coincept](#) to ensure you are able to receive payments to your node from paying customers.

Channel opening to other lightning network nodes and advice on channel size, prominent nodes on the network and opening channels to appropriate nodes.

Advice on engaging in [liquidity swaps](#) with other lightning network node operators and advice on becoming an opener and trusted node operator.

Creation of accounts on [1ML.com](#) and [Lightning Network Plus+](#), adding custom text about your node on these websites.

Creation of your Store in BTC Pay Server.

Creation of your Bitcoin Wallet in BTC Pay Server.

Securing of your Bitcoin Wallet in BTC Pay Server.

Assisting you with writing down your [Bitcoin Seed Phrase](#) for your store and how to secure it.

Creation of your Point-of-Sale App in BTC Pay Server and working with your retail sales staff to add your products and services to your store.

Creation of an excel file of your server's configuration settings or working with your change configuration staff to input your new servers details in your configuration database.

Testing of your Lightning Network store, purchasing products and services from your store to ensure customers can do this successfully.

Guidance on how to successfully administer and operate your Bitcoin LN node.

Guidance on liquidity providers and how to purchase additional incoming liquidity from [Y'all's](#), [LNBig](#), [Bitrefill](#) and [Coincept](#).

Guidance on websites applicable to your server including [1ml](#), [lightningnetwork+](#), [amboss.space](#), [Inchannels](#), [mempool.space](#), [terminal.web](#), [cheeserobot](#), [lightning node match](#), [Inrouter](#) and [Innodeinsight](#) Guidance for your staff on how to use your node.

Handover of all your server's configuration settings and security details.

The presentation of a custom developed training video on [Bitcoin Lightning Network administration](#)

and walking through all the commands in this video.

Passing to you [a spreadsheet of all the commands you need to know in order to successfully run your Bitcoin Lightning Network node independently of INTJ Billing.](#)

Presentation to your business of the Bitcoin Lightning Network custom metal pin indicating your status as a bitcoin lightning network first mover, innovator and righteous person in the space.

Consultation on [battery backup solutions](#) and UPS for uptime reliability of your node.

Details of prominent pioneering people in the lightning network space to follow on YouTube, Twitter and other social networks.

Explanation of key terms you need to know about your node including node id, Clearnet node URL, Tor Onion network URL, port numbers etc.

For businesses located in Australia, working as a technology liaison between your business and a KYC/AML solicitor to ensure you are not a designated service as per AUSTRAC's anti-money laundering and counter terrorist financing act 2006

<https://www.legislation.gov.au/Details/C2021C00243> section 50A "exchanging digital currency for money (whether Australian or not) or exchanging money (whether Australian or not) for digital currency, where the exchange is provided in the course of carrying on a digital currency exchange business". If you are a designated service, liaising between your business and the AML/KYC lawyer INTJ Billing works with.

Advice on securing your seed phrase off site.

Talking you through the language differences between being a PayPal merchant and a Bitcoin Lightning Network merchant.

Explaining to you [the state of the bitcoin lightning network](#), where it's at, number of nodes on the network, etc.

Explanation of [inbound and outbound capacity and how it changes when transactions are made and purchases are made from your store.](#)

Explaining [common lightning network wallet error messages and how to work around them.](#)

Recommendations of [lightning network wallets](#) for your customers to use for easy purchases from your store.

A walkthrough of the work Clarke has done for [Pride Bar in Footscray in getting their lightning network node operational and empowering their customers to purchase drinks at the bar fast and in a completely cashless way.](#)

Discussion of self-sovereignty for businesses that operate in high-risk areas that need uncensorable payments. This advice is most useful for all the business types that the banks and payment processors won't deal with. If you have been debanked or financially censored this advice will be of interest.

TML

AMBOSS



Inchannels



LightningNetwork+

mempool
.space

TERMINAL
WEB



CHEESEROBOT

Lightning Node Match



LnRouter

LNnodeinsight

Y'all's



Bitrefill

Coincept

Call Clarke Towson CEO INTJ Billing
Now on **0432 359 166**

Email clarketowson@intjbilling.com

INTJ Billing Bitcoin Lightning Network Technical notes page:

<https://intjbilling.com/INTJBitcoinLightningNetwork.html>

INTJ Billing Bitcoin Lightning Network Consulting Services page:

<https://intjbilling.com/INTJBitcoinLightningNetworkConsultingServices.html>

YouTube video - The Bitcoin Lightning Network is officially launched at
Pride of Our Footscray Community Bar!

https://www.youtube.com/watch?v=YOMuWmcE7_o&t=90s

INTJ Billing Bitcoin Lightning Network Consulting Services page:
<https://intjbilling.com/INTJBitcoinLightningNetworkConsultingServices.html>

Pride Bar Lightning Network Node URL:
<https://pridebarbtcpay.intjbilling.com>

Pride Bar Drinks Point of Sale App URL:
<https://pridebarbtcpay.intjbilling.com/apps/39kGfXwRinVtcrWGvrq7h1TshheN/pos>

Pride Bar Bitcoin Lightning Network Node Public Key:
023ab7ce0bb6e690b197356b15697943d85c9f248b5a0e968003bc74e01fe058a7

Pride Bar Bitcoin Lightning Network Node URL 1:
023ab7ce0bb6e690b197356b15697943d85c9f248b5a0e968003bc74e01fe058a7@202.153.222.237:9735

Pride Bar Bitcoin Lightning Network Node URL2:
023ab7ce0bb6e690b197356b15697943d85c9f248b5a0e968003bc74e01fe058a7@5yoylg5mr2smt2itv77jq3bogtlljxnbukv22msuahkoldjqknzmrqd.onion:9735

Sources:

El Salvador becomes first country in the world to accept cryptocurrency bitcoin as legal tender:
<https://www.abc.net.au/news/2021-09-07/el-salvador-adopts-bitcoin-cryptocurrency-as-legal-tender/100441472>