# Bitcoin-Secured Lending Integration Guide Solutions Architect Portfolio

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# Your customers want a Bitcoin-backed loan. We can help you deliver it.

This guide will help you more quickly and effectively integrate our new API's into your existing infrastructure

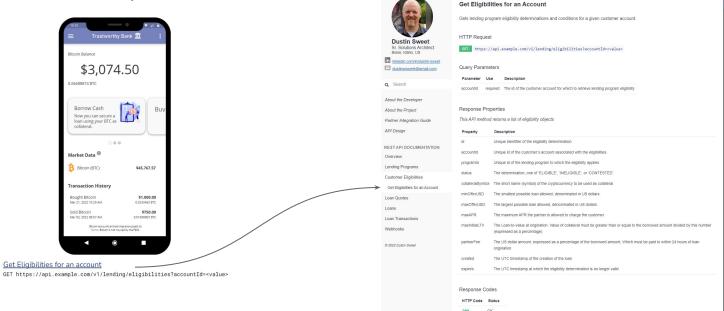
We present an example mobile app solution so that you can easily understand the workflows and banking activities

Questions? Your partner success team is at-the-ready to answer.

### **Special Note**

All API references within this document are hyperlinked. You can navigate to our live <u>API documentation site</u> for technical

details of each operation.



JAVA C# JS NODEJS PHP RUBY PYTHON PERL GO SWIFT

curl "https://api.example.com/v1/lending/eligibilities?accountId=1"

RESPONSE

"programId": 1,

"status": "ELIGIBLE",

"minOfferUSD": 100,

"mayOfferUSD": 18888

"maxInitialLTV": 48

"accountId": 1.

"programId": 2,
"status": "INELIGIBLE",

"minOfferUSD": 0,
"maxOfferUSD": 0,

"maxInitialLTV": 0.

"termInMonths": 8.

"maxAPR": 0,

"collateralSymbol": "BTC",

"expires": "2022-04-03T19:03:32"

"collateralSymbol": "BTC",

"created": "2022-04-02T19:03:32",

"expires": "2022-04-03T19:03:32"

# Taking a Loan

Discovery

**Customer Eligibility** 

Mobile App Experience

Provisioning & Disbursement

Workflow

# **Taking a Loan** 01 - Discovery

Advertise the partnership and loan opportunity on your website to stir excitement within your customer base

Learn of active and upcoming lending programs

### Get All Programs

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### **BITCOIN SERVICES**



#### **BORROW CASH WITH YOUR BITCOIN**

Trustworthy Bank has extended its partnership with the industry leader in Bitcoin financial services to provide you with a cutting-edge personal loan opportunity. Access cash today by temporarily locking your Bitcoin. Once you've repaid the loan, you'll receive all of it back. See our mobile app for details.



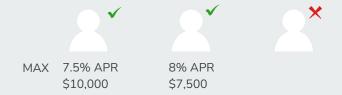


\*Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Proin libero nunc consequat interdum varius sit. Pretium fusce id velit ut tortor pretium. In mollis nunc sed id semper risus in. Et leo duis ut diem quam nulla. Fermentum et sollicitudin ac orci phasellus egestas tellus rutrum tellus. Tincidunt augue interdum velit euismod in pellentesque massa. Et tortor at risus viverra adipiscing at in tellus. At auctor urna nunc id cursus metus aliquam eleifend mi. Fringilla est ullamcorper eget nulla facilisi etiam. Diam quis enim lobortis scelerisque fermentum. A cras semper auctor neque vitae tempus quam pellentesque nec. Quis imperdiet massa tincidunt nunc pulvinar sapien et ligula ullamcorper.

# Taking a Loan

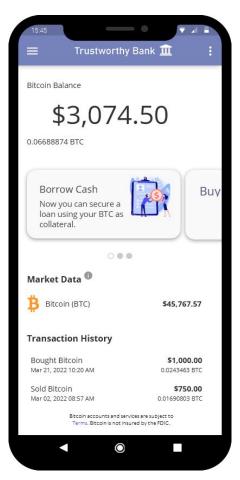
02 - Eligibility

As the industry leader in regulatory compliance, we will determine the eligibility of each of your customers, as well as conditions of the offer.



You determine the rates and limits, within the parameters we provide

Entice your customers to learn more within your mobile app

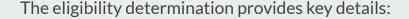


#### Get Eligibilities for an account

GET https://api.example.com/v1/lending/eligibilities?accountId=<value>

### Taking a Loan

03 - Presenting the Opportunity



Loan Amount	Max APR	Max Initial LTV	Partner Fee
\$100 - \$10,000	12%	40%	3%

- A value for calculating the maximum USD loan offer (40% of the market value of customer's Bitcoin holdings)
- 2. The processing fee you owe\*

Present the maximum offer alongside educational content

\*Must be paid within 24 hours of loan origination, using the standard settlement and reconciliation process.

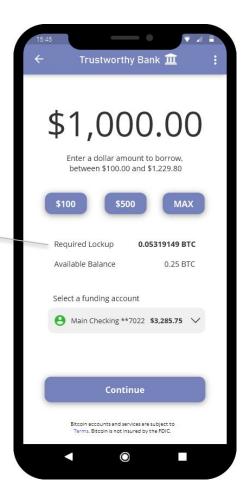


# **Taking a Loan** 04 - Selecting Principal

While the customer is entering an amount, use current Bitcoin market value and Max LTV to dynamic adjustly the required lockup amount in real-time

Provide buttons with pre-configured amounts for easier input and quicker commitment by the customer

When the user is ready to continue, create a loan quote to lock in the required collateral.



#### Create a Loan Quote

POST https://api.example.com/v1/lending/quotes

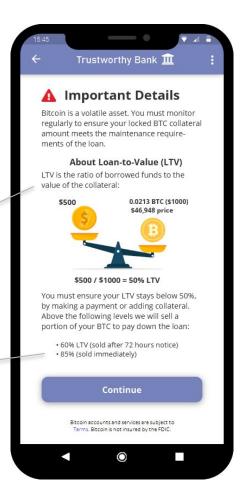
# **Taking a Loan** 05 - Education

The customer needs to understand this is a different kind of loan

Use the opportunity to educate and inform them of the imperative of maintaining a healthy Loan-to-Value (LTV).

Explicitly state the levels at which the customer's collateral may be liquidated\*

\*Consult your partner success team to determine levels

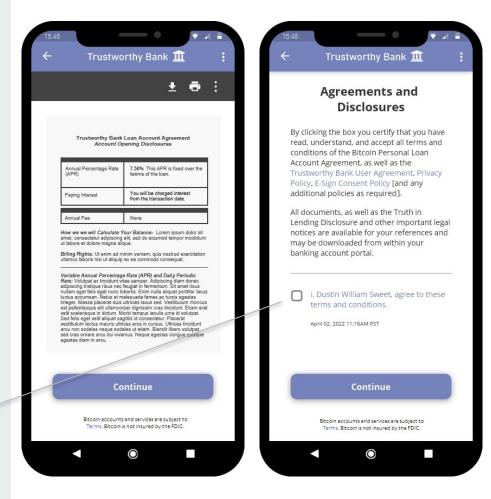


# **Taking a Loan** 06 Legal & Regulatory

Properly collect and archive all disclosures and legal agreements. Work closely with your partner success team to ensure nothing is missed.

Upload all documents before provisioning the loan and dispersing funds.

Include a checkbox and prevent the user from continuing until they've given consent

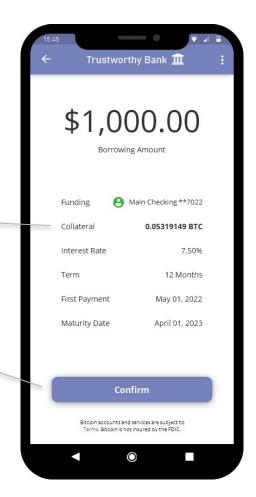


# **Taking a Loan** 07 - Locking In

If too much time passes, the quote will expire. In such a case, generate a new quote, update the collateral display, and alert the user to the change

Use approved two-factor authentication (2FA) upon confirmation (not depicted).

Proceed with creation of the loan after confirmation.



#### Create the Loan

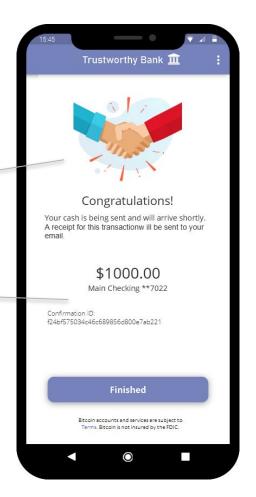
POST https://api.example.com/v1/lending/loans

# **Taking a Loan** 08 - Done Deal

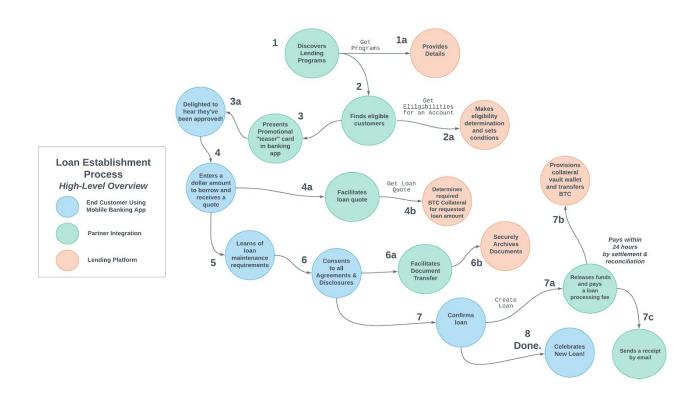
Include images and messaging that give positive reinforcement

The funding account and confirmation ID must be displayed

Disperse cash to the customer's funding account, pay the processing fee via the settlement & reconciliation process, and send the customer a receipt and full details of the loan by email (not depicted).



### **Loan Establishment Workflow**



# **Customer-Initiated Transactions**

Loan Management Portal

Making Payments

Adding Collateral

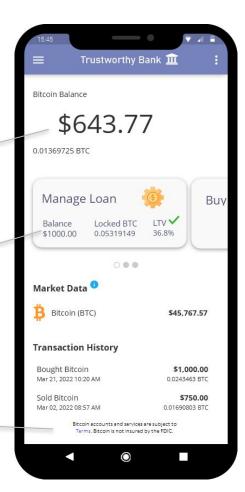
Workflows

# **Managing Loan** 01 - Portal Access

Note the reduced BTC balance now that the customer has withdrawn a loan.

Make the portal easy for the customer to find. After a visit or two, you can replace the card with a less intrusive menu link.

Remember to include the short-form legal disclaimer on all required pages, per the conditions of the master service agreement.



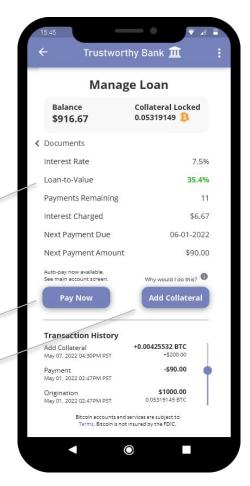
02 - Portal

Present all loan information within a single, easy-to-digest screen.

Include a Loan-to-Value health indicator and proactively alert the user whenever the LTV crosses into unhealthy territory

Make payment easy by offering auto-pay if available.

Encourage the customer to add collateral.



### Get Loans for an Account

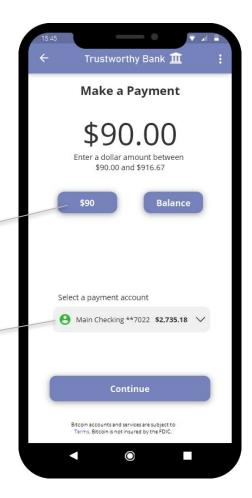
GET https://api.example.com/v1/lending/loans?accountId=<value>

03 - Payment

Keep payment screen uncluttered & simple

Provide buttons with pre-configured payment amounts for a better customer experience

Default to the checking or savings account most frequently used



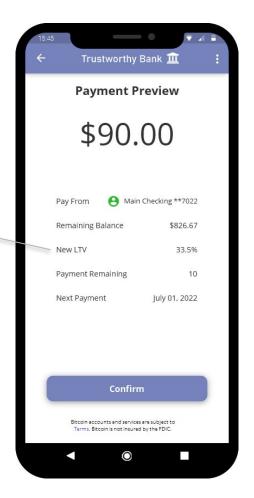
# 04 - Payment Preview

Be sure to include the new LTV value. The customer may wish to navigate back to increase the payment amount

Use approved two-factor authentication (2FA) upon confirmation (not depicted).

### Upon confirmation:

- 1. Move funds from the user's account
- 2. Log the transaction
- 3. Send a receipt by email



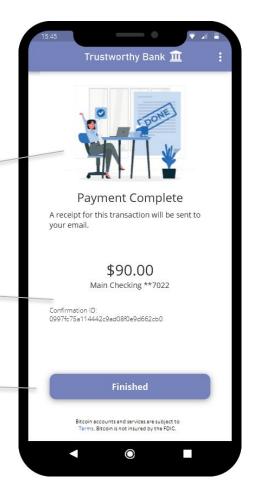
### Make Payment

# Managing Loan 05 - Payment Complete

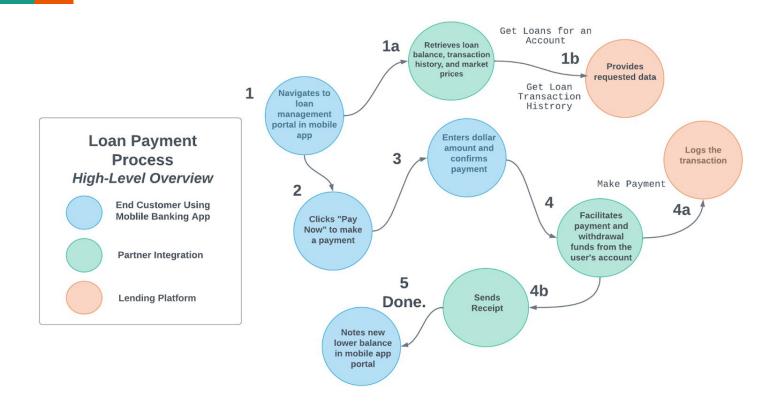
Use images that reinforce trust and boost confidence within the mind of the customer

The funding account and confirmation ID <u>must</u> be displayed

When finished, navigate back to the loan management portal



### **Make Payment Workflow**



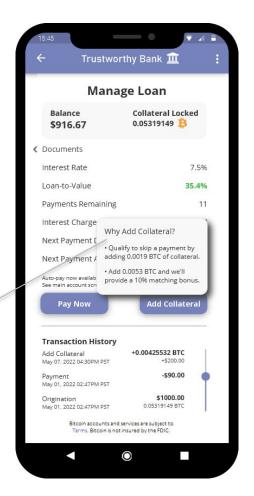
# 06 - Adding Collateral

### Why?

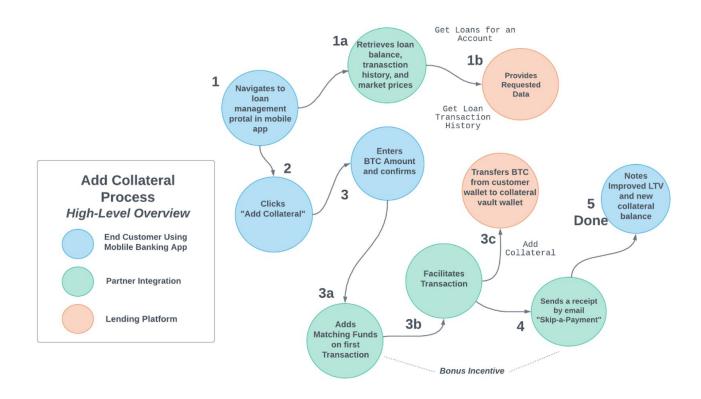
- Lowers LTV, adds security against BTC price volatility, and reduces the likelihood of full or partial liquidation
- Reduces the customer's available BTC balance, increasing their desire to replenish

### Incentivize

Offer "Skip-a-Payment" and/or a Matching Bonus when the customer adds collateral in an amount which meets or exceeds their monthly payment obligation



### Add Collateral Workflow



# **Partner-Initiated Transactions**

Applying Monthly Interest

Liquidating Collateral

Closing the Loan

Workflows

# Managing Loan 07 - Applying Interest

Each month you will adjust the customer's outstanding balance to reflect interest accrued.

All transactions, including applied interest, must be made available to the customer in your app's transaction history section of the loan management portal.

Send the customer's monthly statement by email, reflecting all transactions.

# 08 - Liquidating Collateral

As lienholder, you have the legal authority to sell off the customer's collateral under certain qualifying conditions (e.g., non-payment or excessive LTV). Consider this an option of last resort. Please speak with our legal support team for details.

You specify the amount to sell off, denominated in USD or BTC. We will sell Bitcoin from the customer's collateral vault wallet at market price.

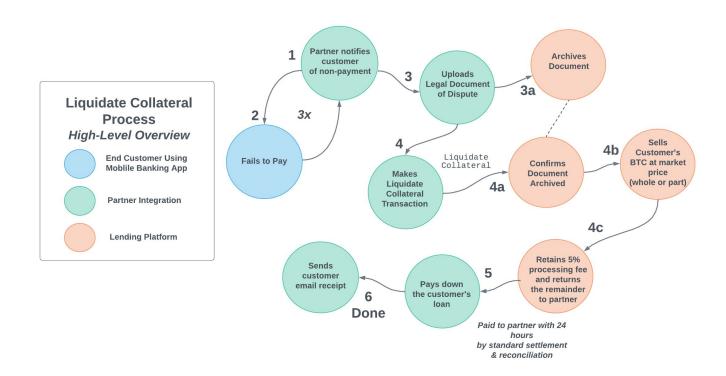


All legal documents must be uploaded to our secure archive before the transaction can proceed.

We will deduct 5% of the liquidation proceeds to cover processing costs and send the remainder within 24 hours using the standard settlement and reconciliation process.

#### **Applying Interest**

### **Liquidate Collateral Workflow**



# **Managing Loan** 07 - Closing

Once the customer has paid the loan in total, it can be closed. You cannot close a loan with a non-zero balance.

After the loan is closed, we will move the customer's Bitcoin out of the secure collateral vault wallet into their available balance wallet.

### Close Loan

# **Next Steps**

Explore our new Lending API Documentation

Reach out to your partner success team today to book a deep-dive working session

Our dedicated team of Solutions Architects is here to support you

