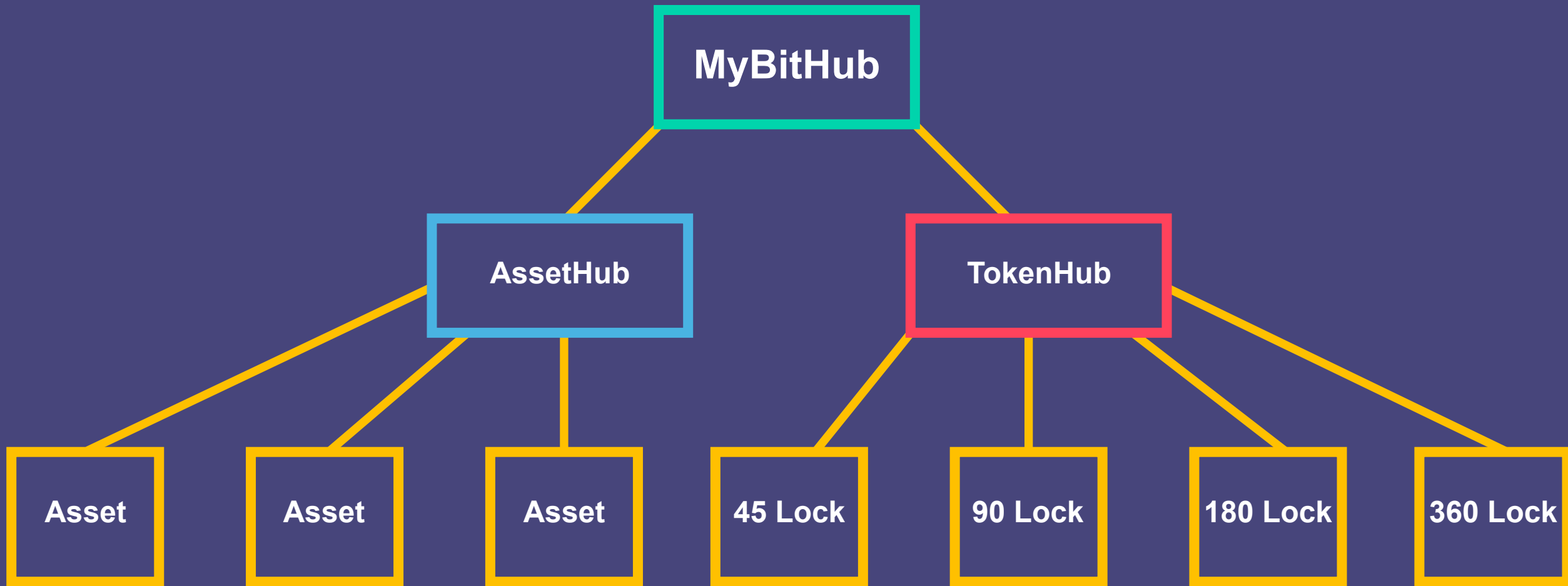




# MyBit.io

## Architecture Diagram

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# Architecture Description

MyBitHub = MyB

AssetHub = AH

TokenHub = TH



MyBitHub

**Description for image;** MyB spawns AssetHub and TokenHub.

Every component of the design relies on the MyB, which is maintained by the MyBit foundation. MyB controls the creation, modification and tracking of AH and TH. By doing this, modifications can be made by the MyB foundation if a limitation in place needs to be changed.

## AssetHub

**Description for image;** Spawns off multiple assets, and a new asset hub is spawned once a limit is reached(e.g. 5000(for image do 3)).

The **AH** creates and holds references to each individual asset listed on the platform, and the **AH** currently has a theoretical limitation of 5000 of number of assets per each **AH**, to reduce computational costs. Once this limitation has been met, **MyB** create more **AH** to facilitate more assets on the platform. Each **AH** contains a particular category off assets, e.g. one **AH** will maintain Renewable energy, another POS, another Autonomous vehicles etc...



**Description for image;** Multiple assets are spawned by **AH**. Assets are maintained by the **AH**, and contain all of the information related to the asset. For example, location, cost and ROI. Asset contracts are where funding and ROI payments will be sent to.

## TokenHub

**Description for image;** Is spawned by MyBitHub, and then spawns off the 45, 90, 180, 360 locks. And once the locks have been completed the locking periods are spawned again. Once an asset has been fully funded, 3% of the funded amount will be distributed between the MyBit foundation and users holding tokens. The MyBit foundation is given 1% for maintaining the platform, and 2% will be rewarded to users locking tokens. The **TH** creates all of the different locking periods.

45 Lock

90 Lock

180 Lock

360 Lock

**Description for image;** Lock structures are created and maintained by TokenHub. Each individual lock structure has a set time, once the set time has been reached another lock structure is spawned. Leading on to the Token Holding aspect of MyBit, users can lock an amount of MyBit tokens for either a 45, 90, 180 or a 360 day period. Each individual locking amount is controlled, maintained and updated by the **TH**. Once a locking period has been complete, the **TH** will remove the completed period, and create another instance of the removed period. Each individual locking period has a reward attached, and the closer to the opening of the period they lock their tokens they are rewarded more.

For example, when a user locks on day 1 of the 45 day contract, they will be entitled to a portion of 6.7% of the total 2% transaction fee generated from the asset. To conclude, the whole architecture is autonomous meaning there can be no human errors.



Thank you,

[MyBit.io](https://mybit.io)