How to create your first Verus ID -

This guide will explain how to get your first Verus ID using the *Verus Desktop* wallet. I recommend reading it all down first, and then go through the process of creating an ID.

If you don't the wallet installed yet, check our website at https://veruscoin.io/wallet.html. Scroll down to **Verus Desktop** and choose your operating system.

If you didn't set up Verus Agama or Verus Desktop before, please also refer to the guides on that page, especially see the "FAQ and How-to" section at https://veruscoin.io/service.html, and check the **Bootstrap procedure** (marked in above image) to speed up syncing of your wallet at https://veruscoin.io/downloads/how-to/how-to_bootstrap.html

If you have troubles, please visit us on Discord https://discord.gg/VRKMP2S and ask in the **#community-support** channel, so somebody can support you.

Ok, back to topic. This guide will explain how you can get your first ID with a clean and fresh installed Verus Desktop wallet. Some of the steps will no longer apply when you already have a working version of that wallet, but you will notice.

Getting a **Verus ID** requires a balance of 100.0002 VRSC in your wallet (or 80.0002 if you have a referral ID). The ID will cost 100 (or 80) VRSC, and there is a transaction fee of 2 x 0.0001 VRSC (at time of writing this guide). So, if you don't have that much, you might want to get that before. If you don't know how, please also see https://veruscoin.io/getVRSC.html for that.

When you want to create an ID:

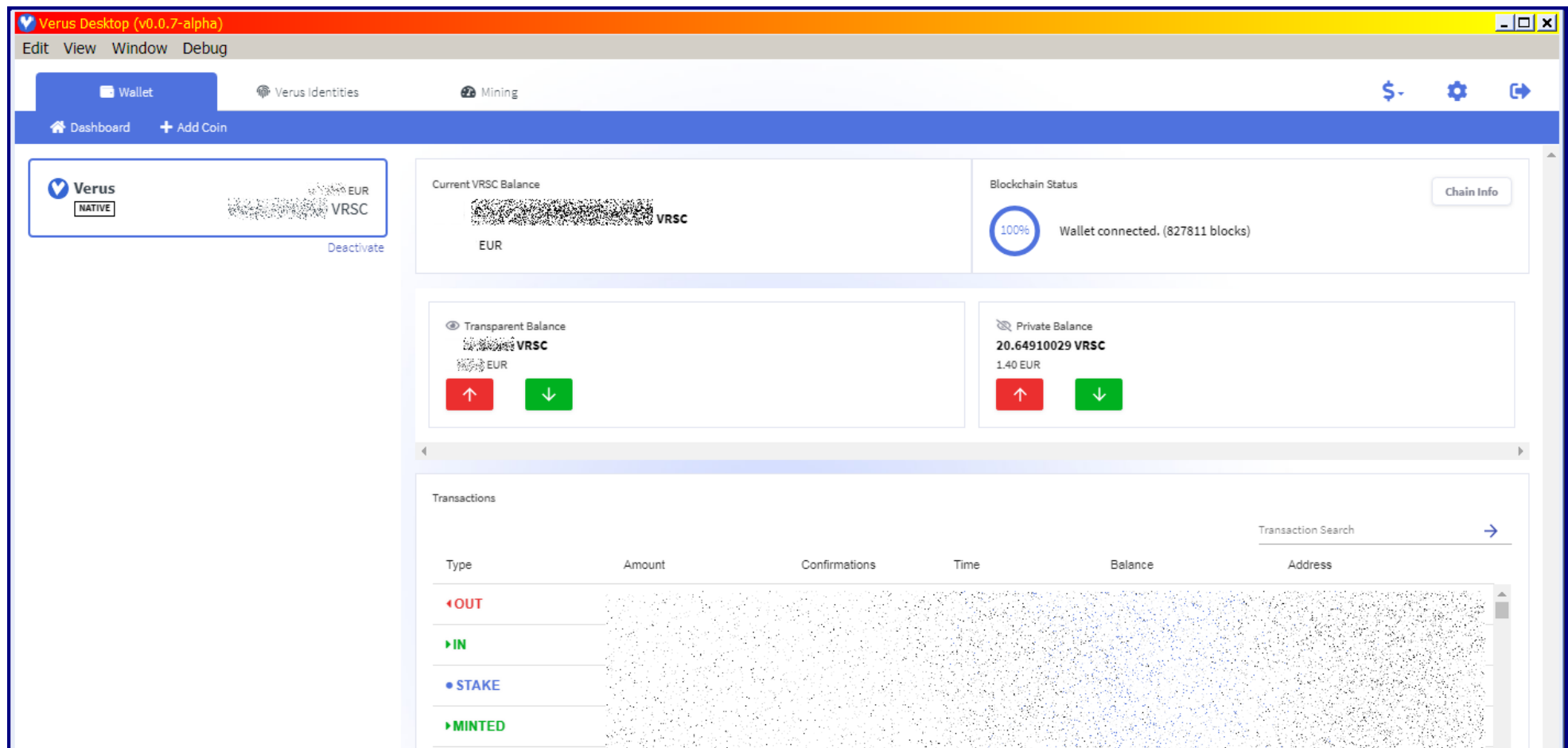- start Verus Desktop
- create a profile name
- select "Wallet" from the "Get started" menu
- click "add a coin"
- from the drop down menu, select Verus and click "continue"
- on the next screen, select "native" (should be preselected), but don't select any of the boxes
- now click "Add Coin"
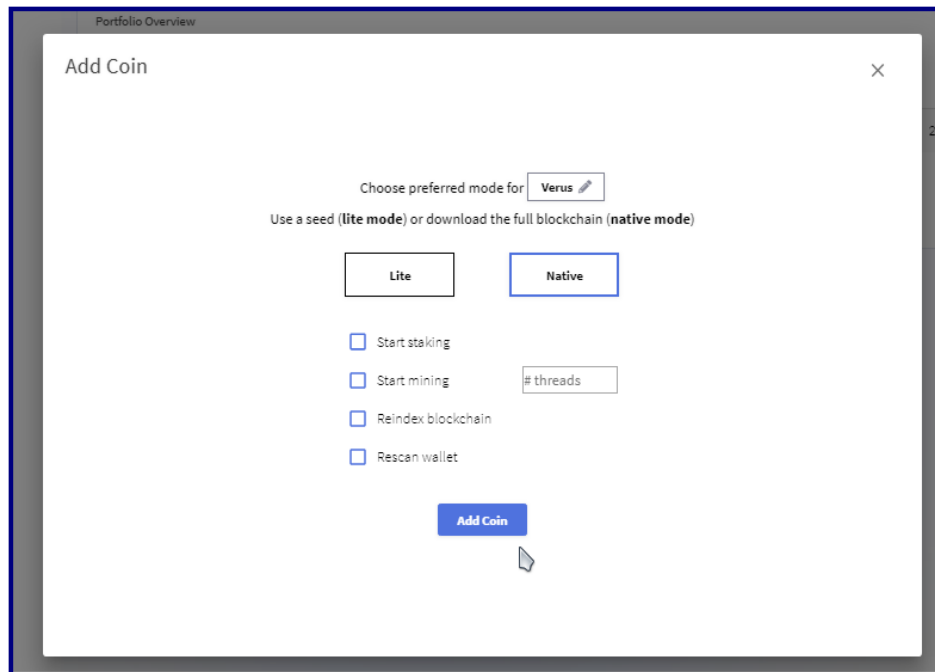
On the next screen you will see the Dashboard.
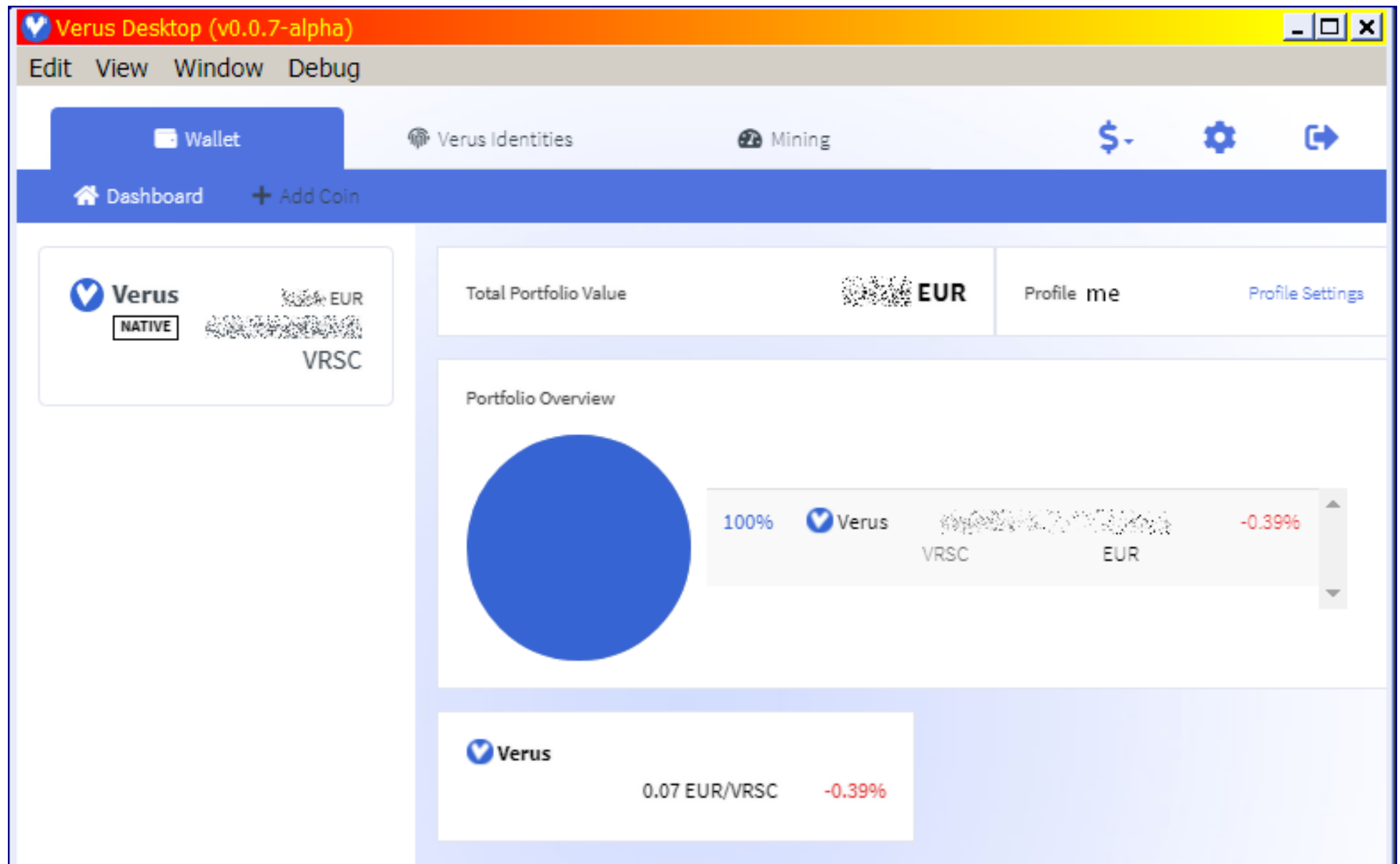
To look at your Verus, click on the badge on the left.

You would have to wait now until the wallet is synced with the blockchain. You can see this when you watch the Blockchain status on the top right. As soon as you have a "100%" showing in the blue circle, you're good to continue.

You should also see your available Verus balance under "Current VRSC balance" now. If it's less than 100, you need to get some more before you can create an ID. If you still have coins in "Pending VRSC balance" and altogether you would have enough, you can continue.

Now, click on the "Verus Identities" tab (on top, above the blue ribbon).
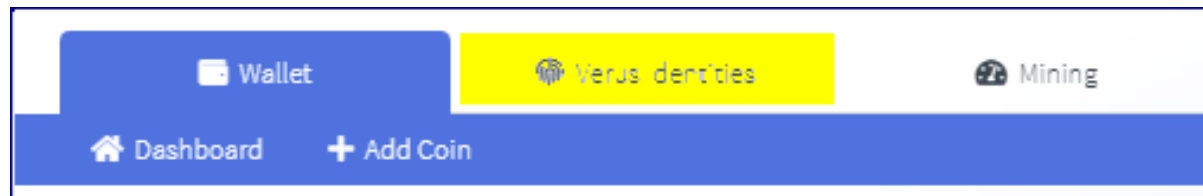
If this is your first identity, there should be not much more to see than a "Select Identity..." under the Verus badge on the left, besides a "Commit Name" above a "Recover a Verus ID" button in the Identity Overview on the right.
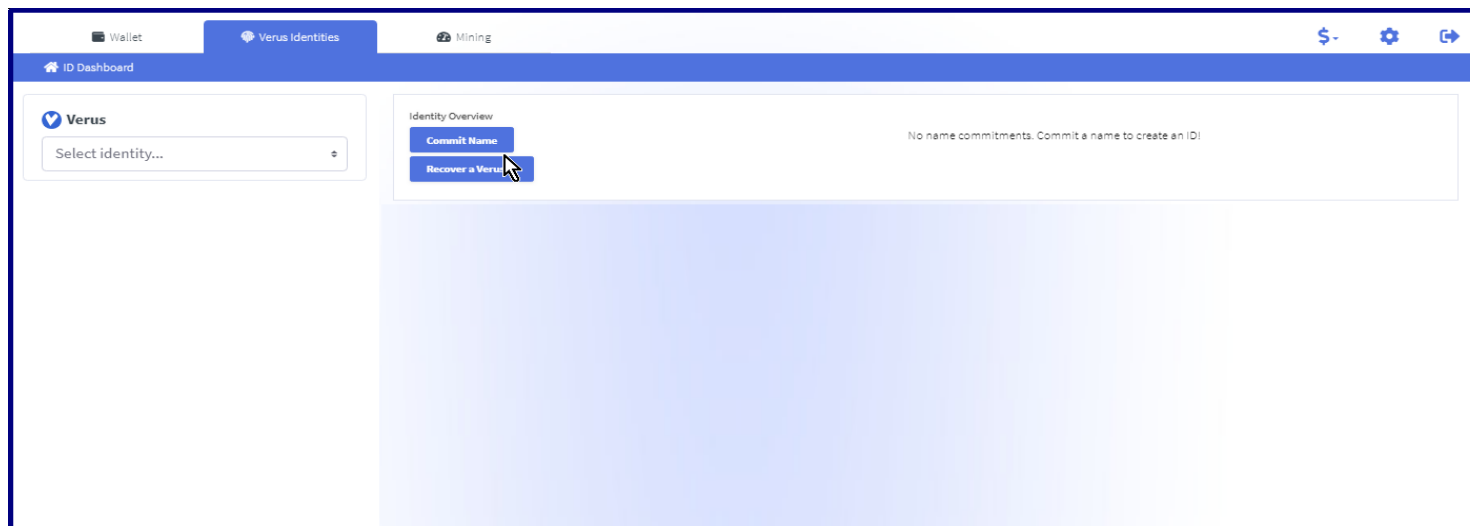
To create an ID, you have to check first if that ID already exists. If not, you can reserve the name at the same time.

To do so, click on "Commit Name".

You now will see a drop down menu, which only shows Verus (at time of writing this guide). Reason for this is the coming PBaaS, but that will be explained elsewhere. So, for now, select Verus and click on it.

- In the pop up window, first line, you can now enter your desired ID name. You can enter any character except **\ / : . * ? " < > | @**
  And you can not use an empty space as a first character.
  But don't worry, the system won't let you commit such names, even if you try.
  What you can use is e.g. an empty space in between, which would allow you to commit a name like "Lucky Joe" (without the quotes of course), but also "Lucky_Joe", "LuckyJoe", and even "Lüçkÿ Jöë" or "幸运 八八八" would work. There is no rule for creating a useful ID, and you can create several IDs if you like. That means, you can create a matching ID for each purpose.
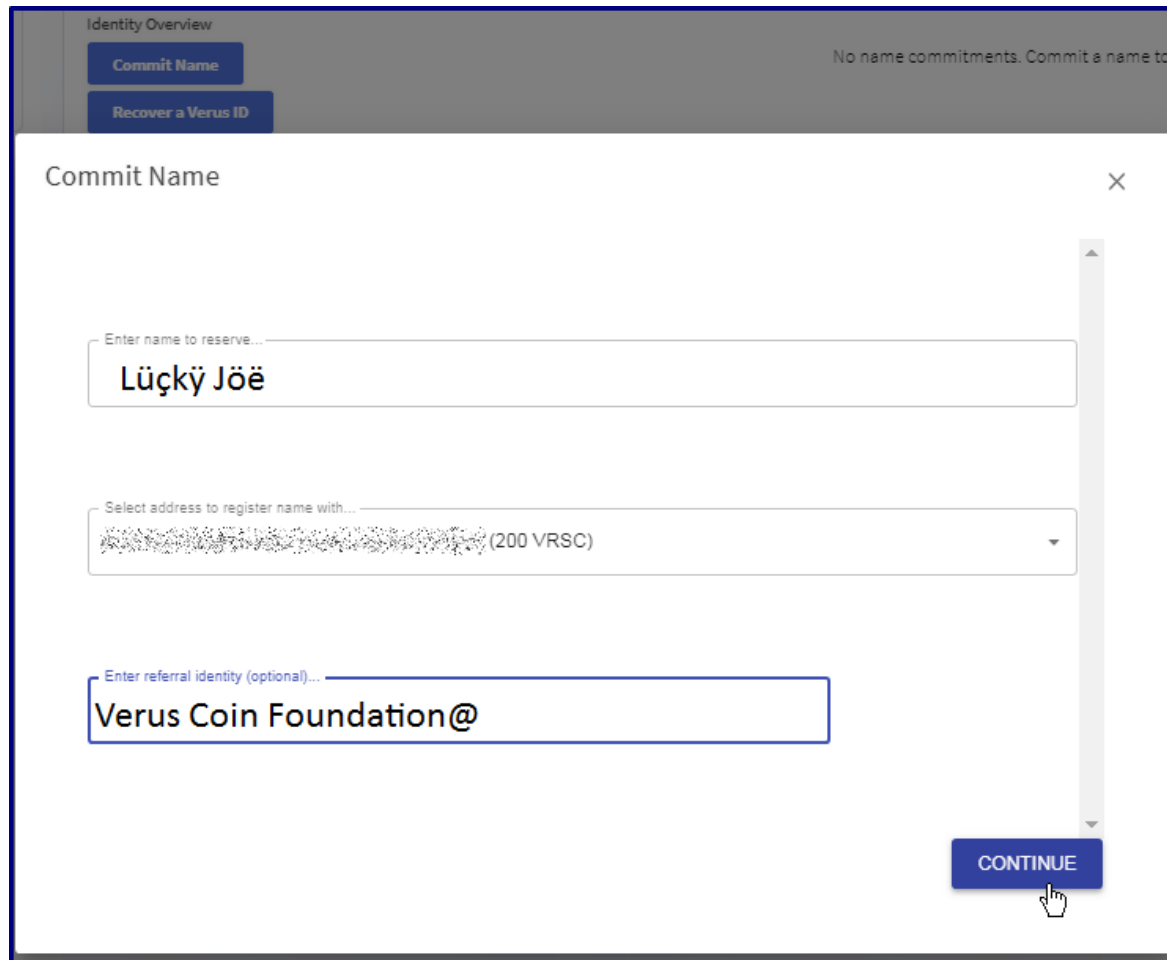
Identity Overview

Commit Name

No name commitments. Commit a name to

SELECT CHAIN

Commit Name   ✕

Enter name to reserve...

Select address to register name with...

░░░░░░░░░░░░░░░░░░░░░░░░░░ (200 VRSC)   ▾

Enter referral identity (optional)...

CONTINUE

- in the line below, you can select the public address that will be linked to your ID (private address will be linked later). You can create an ID on an empty address, but you need to have the fee of 100 (or 80) VRSC and the transaction fee of 0.0002 (at time of writing this guide) in your wallet.
- in the last line, you can enter an existing ID for referral.
  You can leave that referral empty, then your ID would cost 100 VRSC. Or you can enter a valid ID, then your ID would cost 80 VRSC, while 20 VRSC will go to the referral ID at the same time.
  If you don't have a referral ID, you can use **Verus Coin Foundation@**, which will make 20 VRSC go directly to the foundation and help the project development. Or if you want to donate a bit to the author of this guide, you can use **me@** as a referral ID (to learn more about referral bounties, please read further at the end of this guide).

After entering all data, the mask should look similar to this:

Ok, after you made the entries and the selection, click "continue".

You will now see a pop up with all the information for confirmation.

If you see anything wrong there, you can now still go back and revise your entries. But if everything is ok, click "continue" and go on.

Now, when you entered a valid ID name, you will shortly see a window with the progress of the process, just before you get a confirmation window that shows what was processed.

If anything did not work, e.g. if the ID name was not valid or already registered, you will see an error. In this case, go back and change what is necessary.

Shortly after you confirmed all and it worked, you should see a "Commit Name" window pop up. This window will confirm that the process of checking and registering your ID name has successfully started.
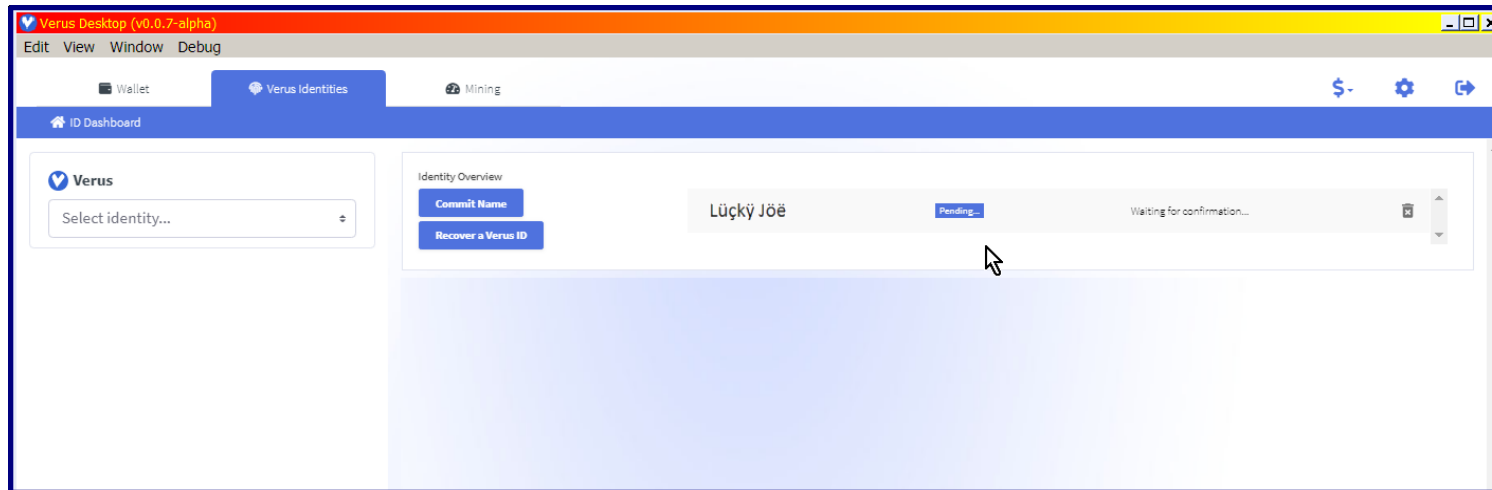

You can close this window by clicking on "Done".

When the "Commit Name" window is closed, you will see the status of the name checking and reservation on the top right of your Identity Overview window.

As soon as the status changes from a blue "Pending" to a green "Ready", we can finally go on to register your ID.
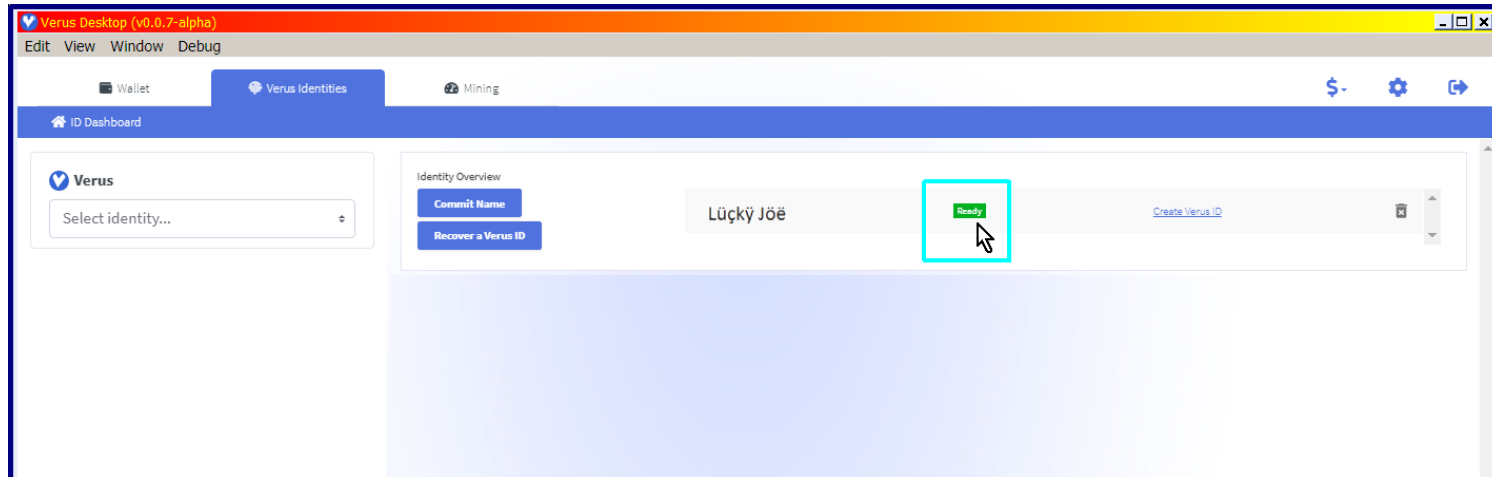
Please note: You haven't purchased your ID yet!

Until now, we only checked and reserved a name, and we set the basics that are necessary for that. The ID is not yet registered!

You can also see this in your transactions, where you will see one outgoing and one incoming transaction of 0 VRSC from and to the public address you have chosen above. The process of checking and reservation is for free (except for one transaction fee).

So, until this point, you can still cancel the process by clicking the grey trash can with an X on it, next to that. If you don't want to cancel, let's continue.

Now, we will finally register your ID.

Please click on "Create Verus ID", which is right to the „Ready" status note in your Identity Overview.

You will see a window pop up with three fields to fill.

These fields are:

- "Enter revocation ID": If you have another ID, or a friend, or family member with an ID you **really** trust**, you can enter it here. This ID will be able to revoke your ID. It's a safety in case your ID gets compromised in any way, or if you can't access your wallet any more, or similar. If you don't know of any ID you want to enter here, you can leave it blank. If you want to make the ID independent and fully self-sovereign, you can click the "SELF" button. But you may also leave that line empty..

- "Enter recovery ID": This ID will allow you to recover a revoked ID **, to make it valid again. Same rules as above, if you have somebody with an ID you trust, or you already have another ID, you can use it. For self-sovereign IDs, use the "SELF" button. And you can of course leave it empty, too.**

- "Enter private address": Ok, that's needed to receive private transaction. Usually we don't have that memorised, so we need to go back to the wallet and copy the address.

**) Some notes on IDs

You see that you can enter three IDs, viz. the **main ID**, the **revocation ID**, and the **recovery ID**. Actually they are equal for their own purpose, each of them is an own, normal, independent ID, and can do anything the **main ID** can do on their own. They don't even have to be your IDs. But they just can be assigned to different roles (a.k.a. authority). If you choose to do so, here's what can be controlled by them:

◇ The **main ID** is the one you would do all transactions with, and other stuff that is still to come. It always has the power to change both of the other IDs.

◇ The **Revocation ID** can revoke the main ID, but also has control over changing anything that is related to the Revocation ID itself. This means, if you change the Revocation ID to an ID you do not control, you no longer can change the Revocation ID again, except from the wallet that also controls the Revocation ID. This also applies to Recovery ID.

◇ The **Recovery ID** can of course recover the main ID *when it was revoked*. And (only) in this process, it can also change the *public and private addresses* of the main ID, and it's Revocation ID.

◇ Both the **Revocation ID** and the **Recovery ID** can be used for more than one main ID, so you only need to create them once. And they can be the same, too, so you can use one other ID both for revocation and recovery.

◇ **If you want to be able to revoke and recover your main ID, you need at least one more ID for that. The main ID can not revoke itself.** However, if you want to have a totally self-sovereign ID, and control the private and public address it is assigned to in another way, you can use self-assignment.

◇ **Revocation and Recovery ID(s) should be created before your main ID.** Although there is a way to change them later, it's rather complicated (at time of writing this guide). So if you plan to be able to revoke and recover, it's much easier to create them first.

Now you see what these IDs can control. What they *do not* control, nor revoke or recover, are the underlaying *public (R-) and private (z-) addresses* that you enter on creation. These will always be in control of the wallet that has the private *keys* (a.k.a. WIFs) for them. They will stay unchanged, can't neither be revoked nor recovered. That is only possible for **IDs**.

You will, however, find a new address after creating an ID, which is an *i-address*. This address is tied to an ID, and only exists together with a valid ID. It does not have a private *key*, and can not be restored other than by the associated ID.

For the experienced user it may even be an option to create an ID (e.g., for revocation or recovery) on a new wallet, with a separate wallet.dat file. The wallet.dat can be saved and secured offline, so it is at hand when needed. But you only should do so if you're really sure what you are doing. If you would like to have some support with this, feel free to ask in our Discord https://discord.gg/VRKMP2S.

Now, after you know a bit more about IDs, you can decide how many and which IDs you want to create.

Let's go on in creating your first ID, go back to the Wallet tab (on the left, above the blue ribbon).

There, when you click on the Verus badge, you can see your funds, both the transparent (i.e., public), and the private balance.
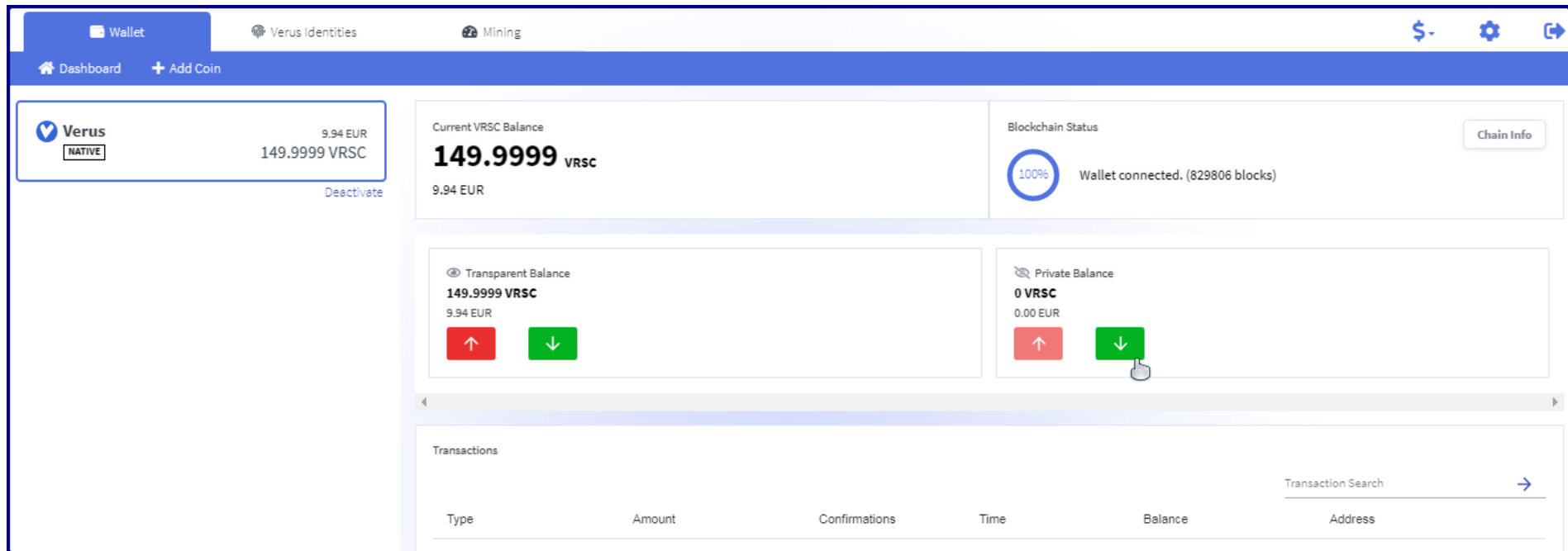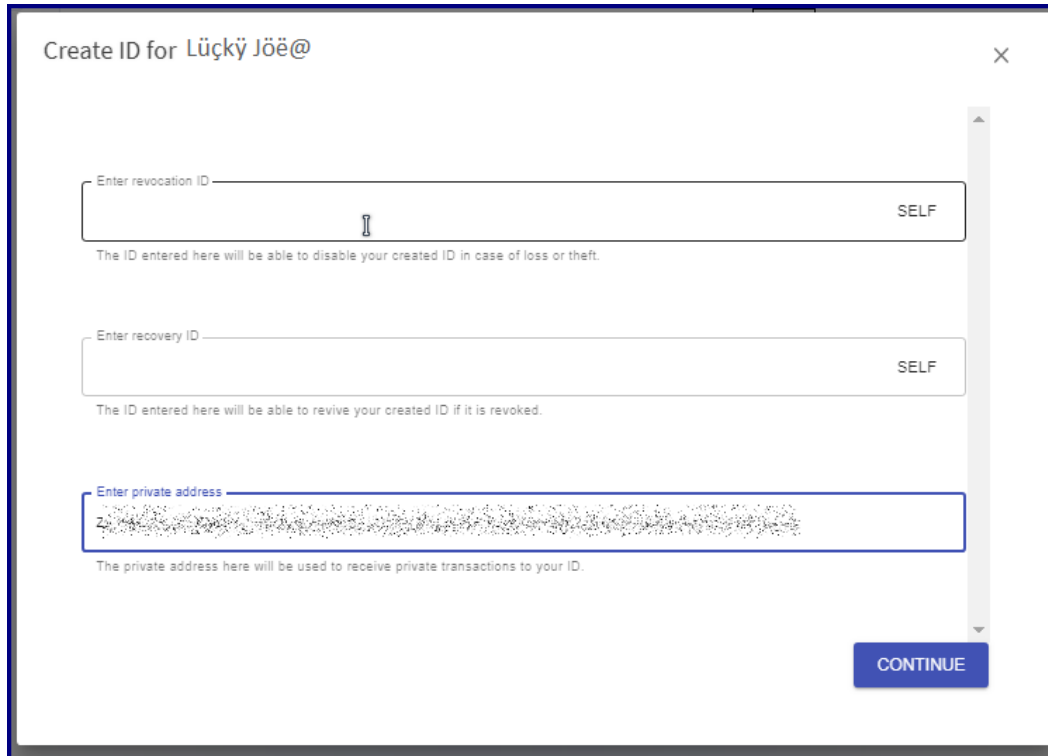

To copy a private address, you simply click on the green down-arrow in the Private Balance badge.
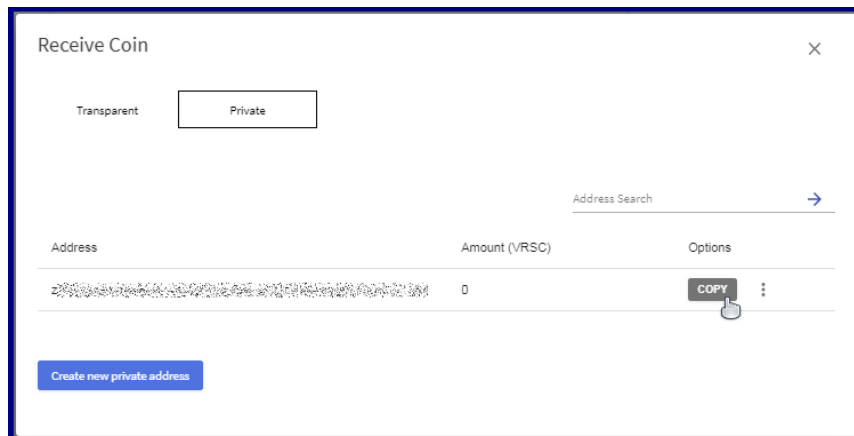
If you don't have a private address yet, or you don't want to use one of those you have, now simply create a new private (z-) address by clicking the blue button.

To copy the private address then just click the "Copy" button next to your private address.

Now you can go back to the "Verus Identities" tab and click again on "Create Verus ID" for your reserved name. As you don't have a revocation or recovery ID yet we will leave that empty for now. Just paste your private address in the last field and click "Continue".

Now a confirmation window will pop up that shows all the information you entered. It will also show the fee that will be deducted for purchasing, and if you entered a Referral ID, the i-address of which is also shown.

If you want to cancel the creation of your ID, this will be the last possibility to do that.

However, if you want to create the ID you can see there, click on „Continue".

Create ID for Lüçkÿ Jöë@   ✕

Est. Cost:	80 VRSC
Referral:	[obscured]
Name:	Lüçkÿ Jöë
Chain:	VRSC
Primary Address:	R[obscured]
Revocation ID:	
Recovery ID:	
Private Address:	z[obscured]

BACK   CONTINUE

You may now see a window popping up shortly for the process.

But right after that, the confirmation window will show again, together with a blue ribbon below it to confirm that your 100 (or 80) Verus coins were transferred to purchase your ID.
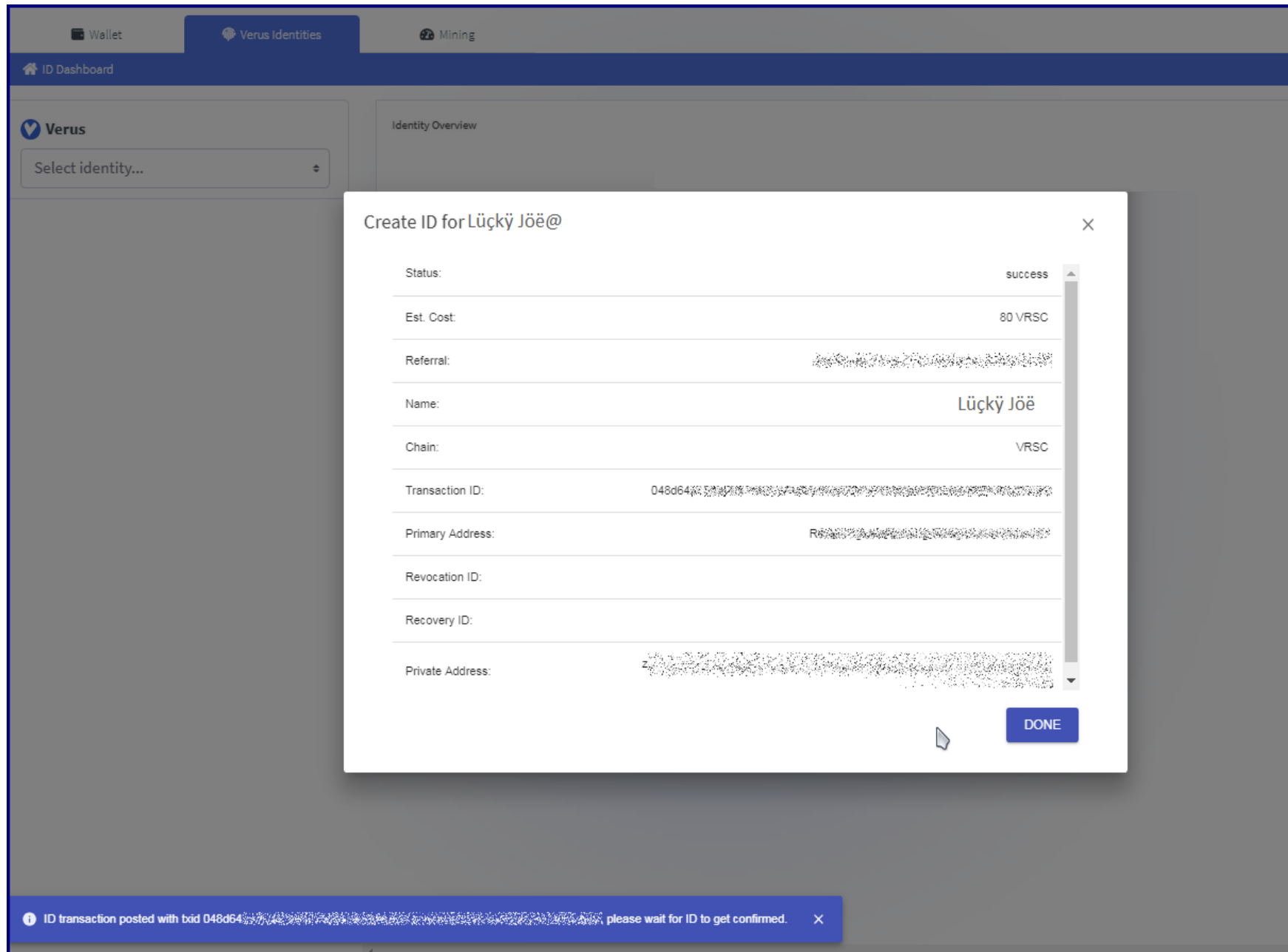
All you have to do now is wait a little, until the transaction was confirmed by the network. You may notice that the fee was deducted from your funds, also visible in transactions, and your wallet shows the remaining funds.
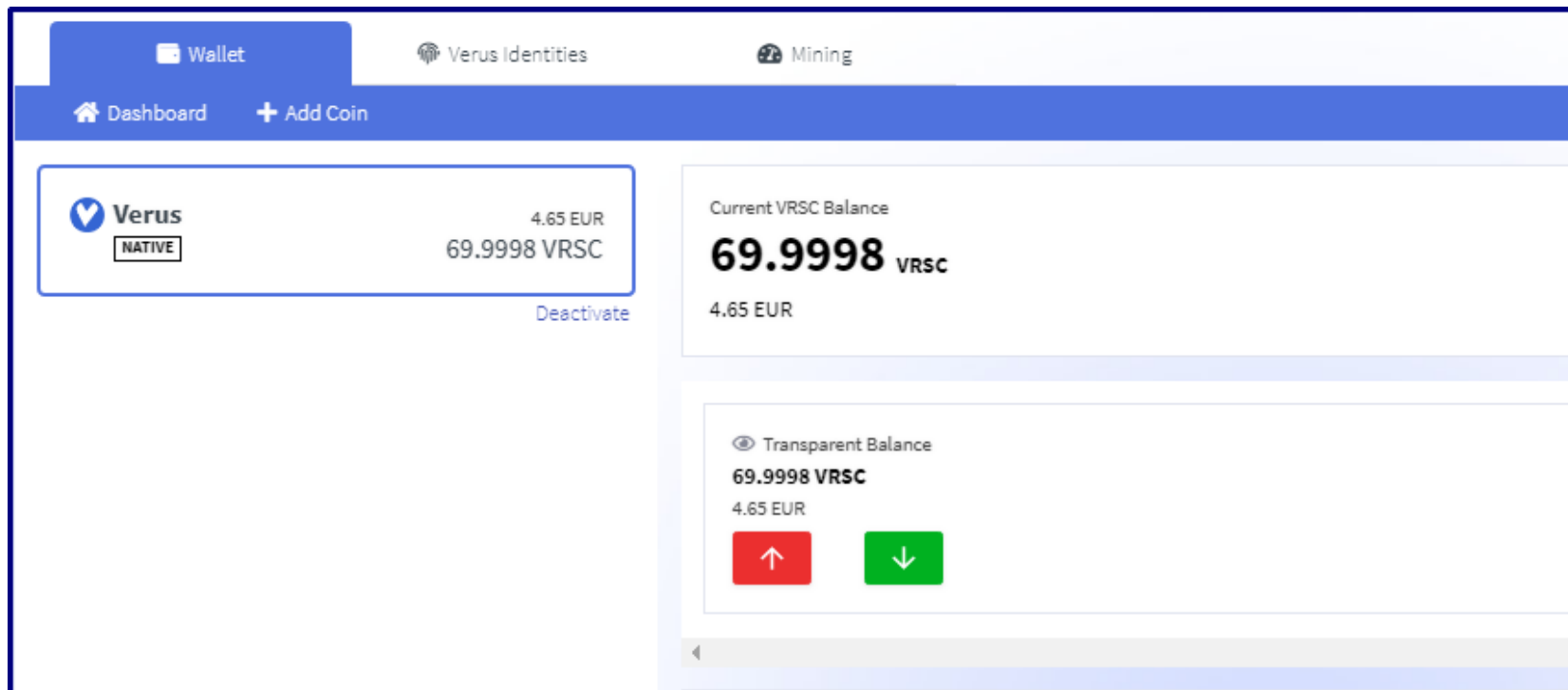
And then - right after one confirmation of the network - your ID is ready to use. You can see that in the Verus ID tab:

Congratulations, you are now proud owner of a Verus ID!

Finally, a few notes on referrals.

When you enter a referral ID, purchasing an ID will cost 80 instead of 100 VRSC (not including transaction fees). At the same time, the referral ID will get 20 VRSC.

Furthermore, when someone is using your ID as a referral, you will get 20, and the referral you were using will again get 20 VRSC (but purchase will not get cheaper than 80 VRSC).

This referral propagation will work up to the 3rd generation, i.e., up to the referrer of the referrer of the referrer. Each of them will have 20 VRSC. But at least 20 VRSC will always go back to the miners and stakers of Verus Coin, and will be added to one of the coming blocks. That's also why mining and staking will become more profitable with each ID that was created.

Thanks for reading, and don't hesitate to ask in our discord if you need support! :)

veruscoin.io