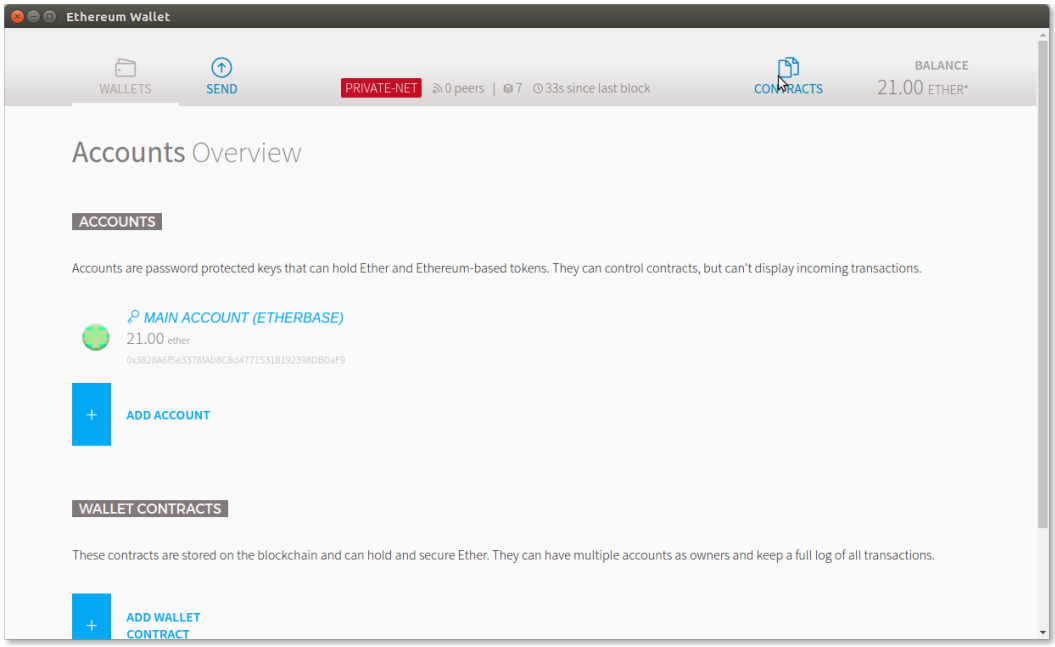
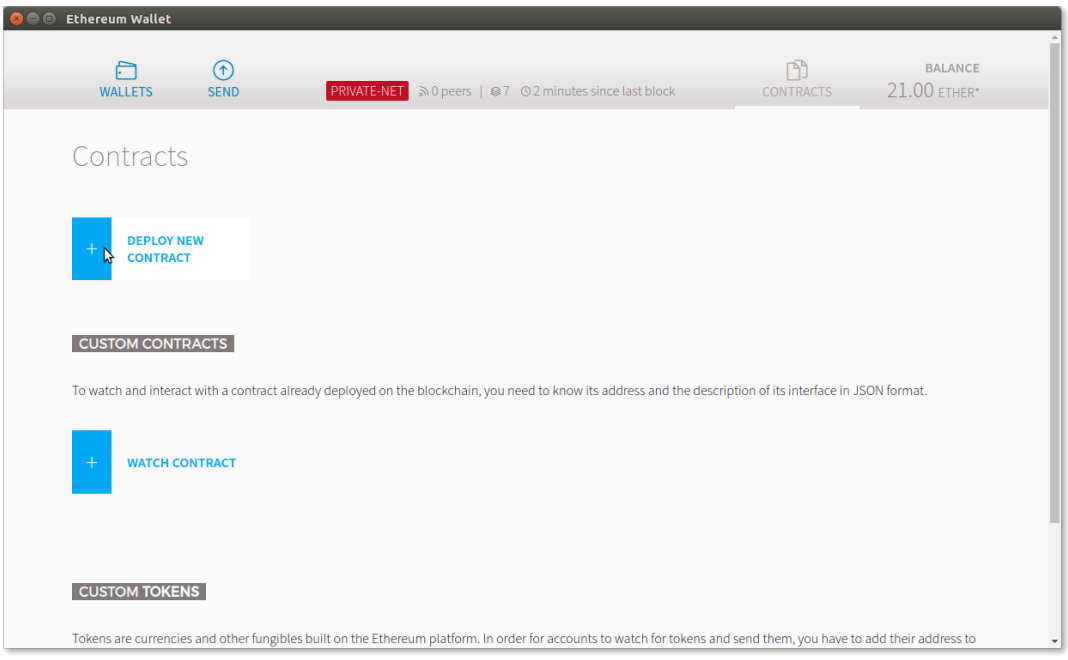
Deploying a Basic Token Contract
(Ethereum Wallet)

Download Token Code: ExampleToken.sol
(select the entire text, and copy it to your clipboard; **Ctrl+A** will select all, and **Ctrl+C** will copy)

Click the Contracts tab at the top of your Ethereum Wallet window.



On the Contracts page, click DEPLOY NEW CONTRACT.



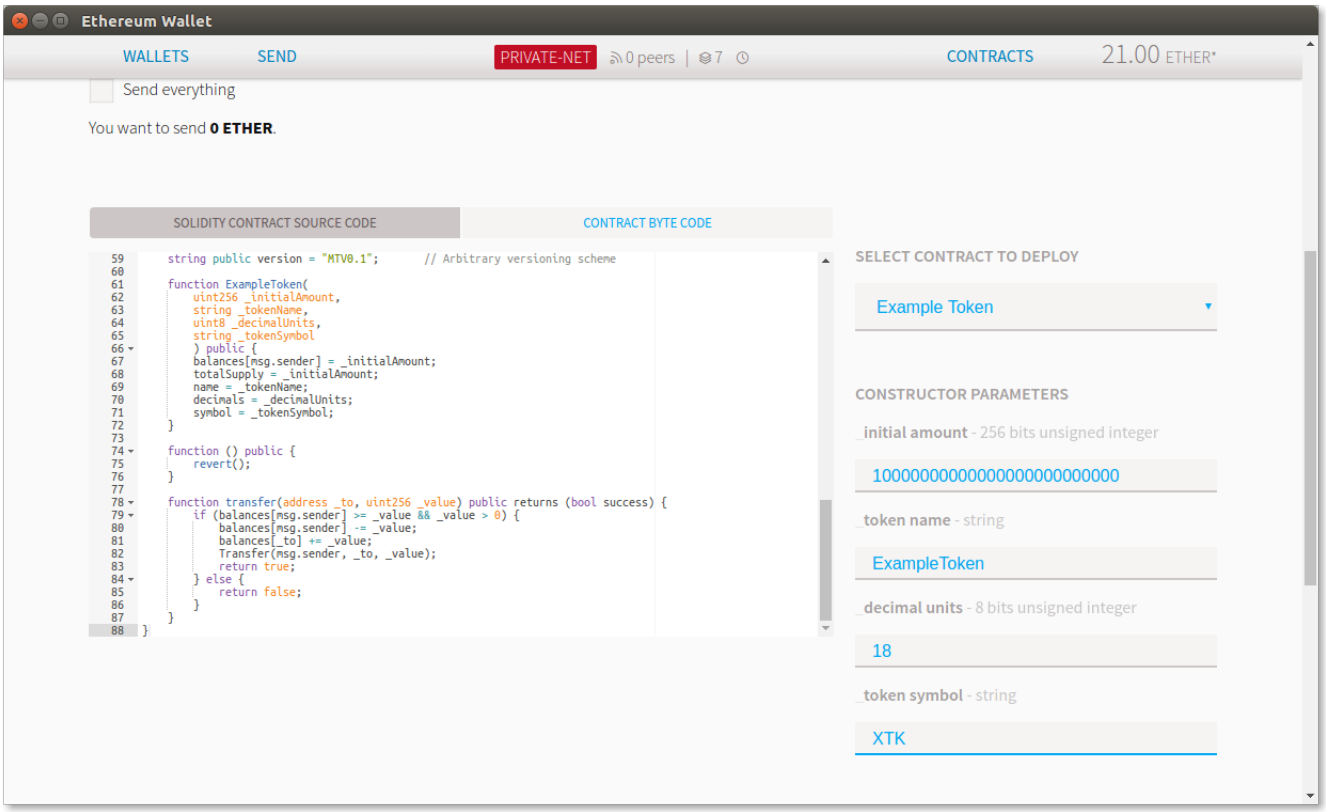
The FROM selection drop-down should remain “Main account (Etherbase)” and the AMOUNT section should remain empty (0.0).

In the SOLIDITY CONTRACT SOURCE CODE section (on the left), paste the ExampleToken.sol code from your clipboard.

From the SELECT CONTRACT TO DEPLOY section (on the right), choose “Example Token”.

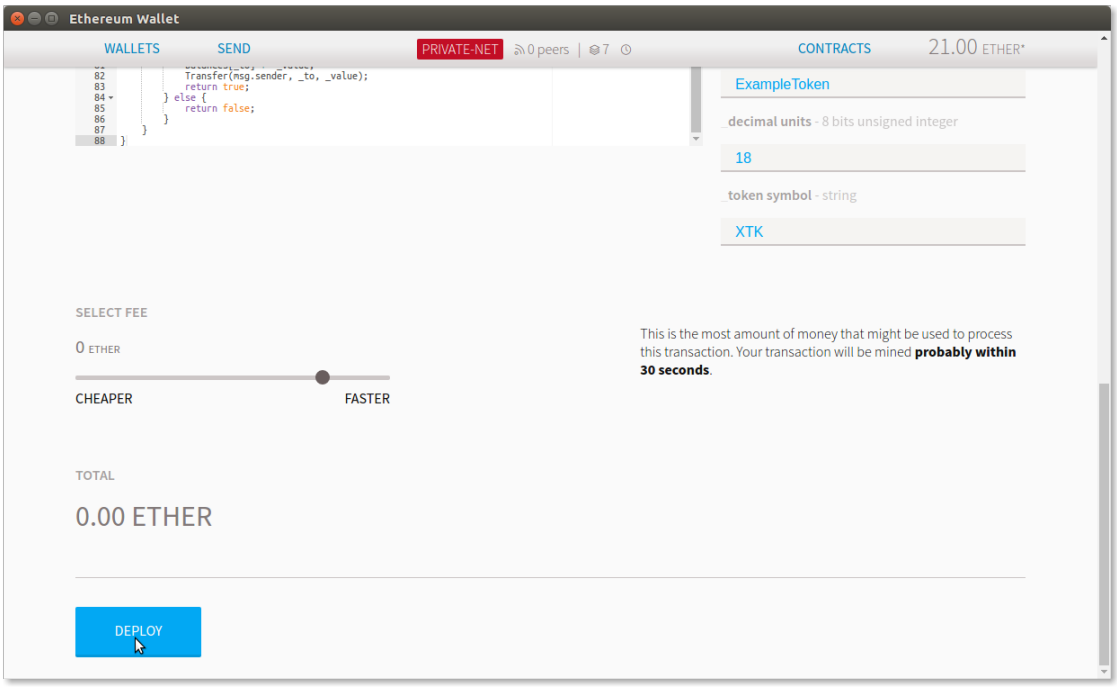
From the CONSTRUCTOR PARAMETERS section (on the right), enter the following:

initial amount: 100000000000000000000000000
token name: ExampleToken
decimal units: 18
token symbol: XTK

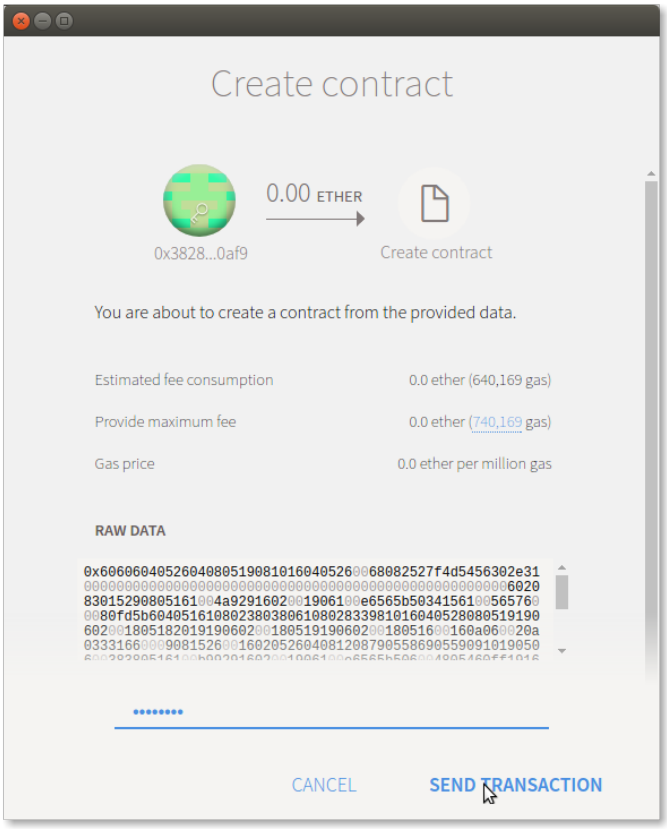


Note: this corresponds to a total supply of 10 million tokens and 18 decimal units (the same number of decimal units that ETH has). You can change any of the values entered here if you wish.

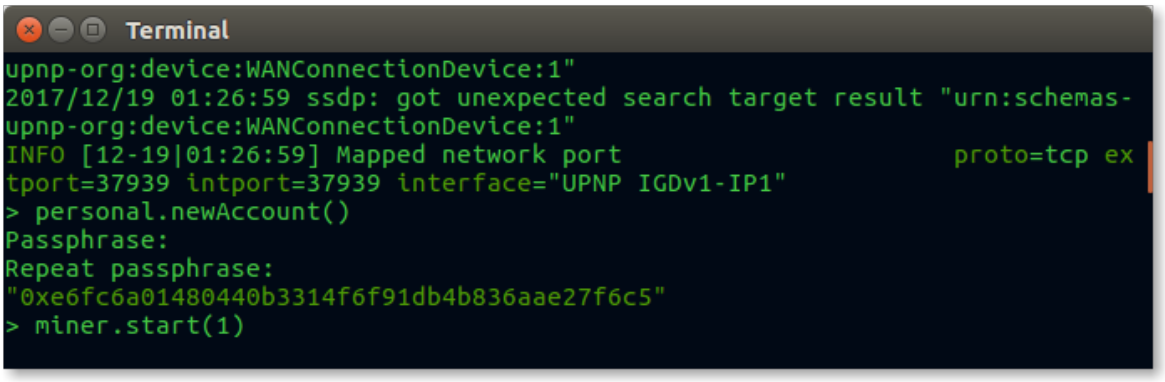
Once you have filled in the values you want your token to have, **scroll down and click DEPLOY**.



On the “Create contract” prompt that appears, **enter your password** which you assigned to your Etherbase account, and **click SEND TRANSACTION**.

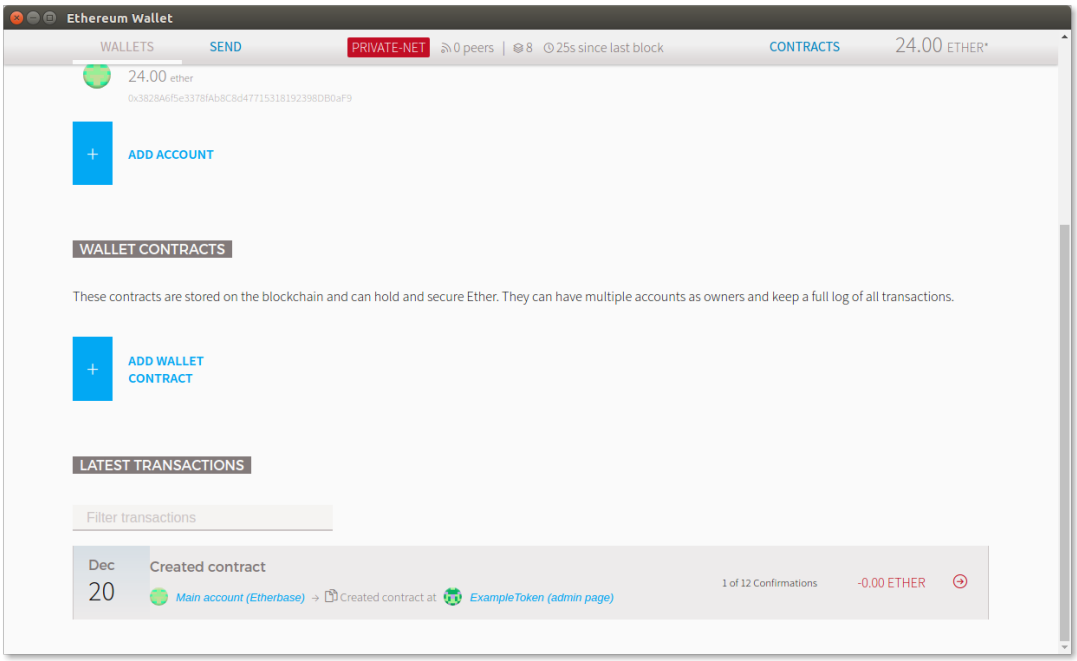


If you have left the miner running in the background, the contract will be deployed and mined automatically. If you ran `miner.stop()` to prevent your CPU from being overused, then it will be necessary to switch back to your first terminal window and run `miner.start(1)` once again (and after a moment, when a block has been mined, you can run miner.stop() again to spare your CPU).



Congratulations! You have now deployed a token contract on your local (private) Ethereum chain!

Now you can **click the Wallets tab** and scroll to the bottom of the page to see a record of your contract having been created.



Note: the ExampleToken's code is configured so that the deploying account (in this example, the default Etherbase account) is granted control of the entire supply of tokens upon deployment. This means that after following the steps above, your Etherbase account will have a balance of 10 million tokens, and all other account addresses will have a balance of 0.