

JBCNConf 2019 – Blockchain Workshop Prerequisites

Introduction

Get ready for the Blockchain workshop. We recommend that you download these resources before attending the workshop since we cannot guarantee the quality of the on-site internet connection.

This guide explains how to launch an Ardor node, create an account in the Ardor Testnet Wallet, how to get Testnet tokens and configure the development environment in order to follow the blockchain workshop.

Download Resources

We recommend that you download these resources before attending the workshop since we cannot guarantee the quality of the on-site internet connection.

1. Download the Ardor 2.2.3 installer for your favorite platform:
 - Windows - <https://www.jelurida.com/ardor-client.exe>
 - Mac - <https://www.jelurida.com/ardor-installer.dmg>
 - Linux - <https://www.jelurida.com/ardor-client.sh>
 - Zip file - <https://www.jelurida.com/ardor-client.zip>
2. Download the Ardor Testnet blockchain database: https://www.jelurida.com/Ardor-nxt_test_db.zip
3. Download and install OpenJDK 11 for your platform <https://jdk.java.net/archive/>
4. Download and IntelliJ IDEA community edition <https://www.jetbrains.com/idea/download/> - the ultimate edition is supported but not required.

Optional steps

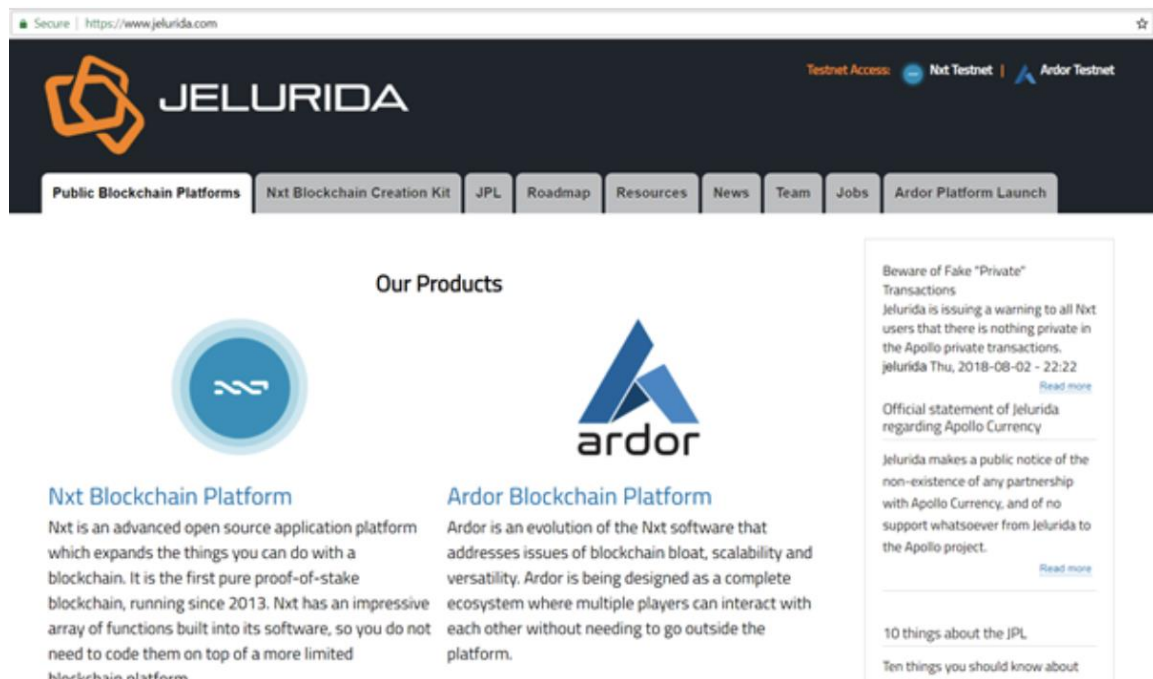
The following steps are optional as we will go over these steps together at the beginning of the workshop.

1. See getting started guides here https://ardordocs.jelurida.com/Getting_started
2. Install the Ardor software in testnet mode, see <https://medium.com/ardor/blockchain-ardor-part-8-tutorial-on-downloading-the-ardor-testnet-f57b8007ff8c> - replace 2.1.0e with 2.2.3 in all places. (You can follow [Step by Step guide installation](#) below in the document)
3. Download the testnet blockchain, there are two options:
 - Run the node and let it download the testnet blockchain, this can take several hours.
 - Unzip the blockchain database you downloaded in step 2 above into your user folder according to the instructions specified in the zip file. See also https://ardordocs.jelurida.com/Faq#User_directories_per_product_and_platform
4. Run the node and create a new account <https://medium.com/ardor/blockchain-ardor-part-2-creating-an-account-on-the-ardor-platform-802f4b12d475>

5. Fund your new testnet account with ARDR and IGNIS tokens by requesting here https://www.ardor.world/en/faucet_ardor/ and here https://www.ardor.world/en/faucet_ignis/ (You can follow the instructions [Fund your account with IGNIS and ARDR tokens](#) below in this document)
6. Configure the IntelliJ dev environment as shows in https://wiki.jelurida.com/Lightweight_Contracts#Setting_Up_the_Development_Environment

Step by Step guide installation of the Windows Ardor client:

Open your web browser and type in <https://jelurida.com> and you will land on the page pictured below.



Scroll down on the homepage until you reach the “Ardor Downloads” section with various download options for different operating systems. You will notice a stable release.

[Nxt Downloads](#) (stable production release 1.11.15): [Arдор Downloads](#) (stable production release 2.2.3):

- [Windows Installer](#)
- [Mac Installer](#)
- [Unix Installer \(sig\)](#)
- [Platform Independent Zip Package \(sig\)](#)
- [Android Mobile Client](#)
- [Release Notes](#) | [Full Changelog](#) | [GPG Key](#)
- [Nxt Source Code](#) | [License](#)

Blockchain download:

[Nxt production](#) | [Nxt testnet](#)

Live testnet access:

[Nxt testnet wallet](#)

- [Windows Installer](#)
- [Mac Installer](#)
- [Unix Installer \(sig\)](#)
- [Platform Independent Zip Package \(sig\)](#)
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- [Release Notes](#) | [Full Changelog](#) | [GPG Key](#)
- [Arдор Source Code](#) | [License](#)

Blockchain download:

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Live testnet access:

[Arдор testnet wallet](#)

2019-05-02

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Jelurida Unleashes Arдор Version 2.2.3 with Focus on Enhanced Usability

Jelurida has released version 2.2.3 of its Arдор blockchain-as-a-service platform aimed at simplifying the blockchain user experience and addressing industry concerns around securing private keys for accounts.

2019-04-26

[Read more](#)

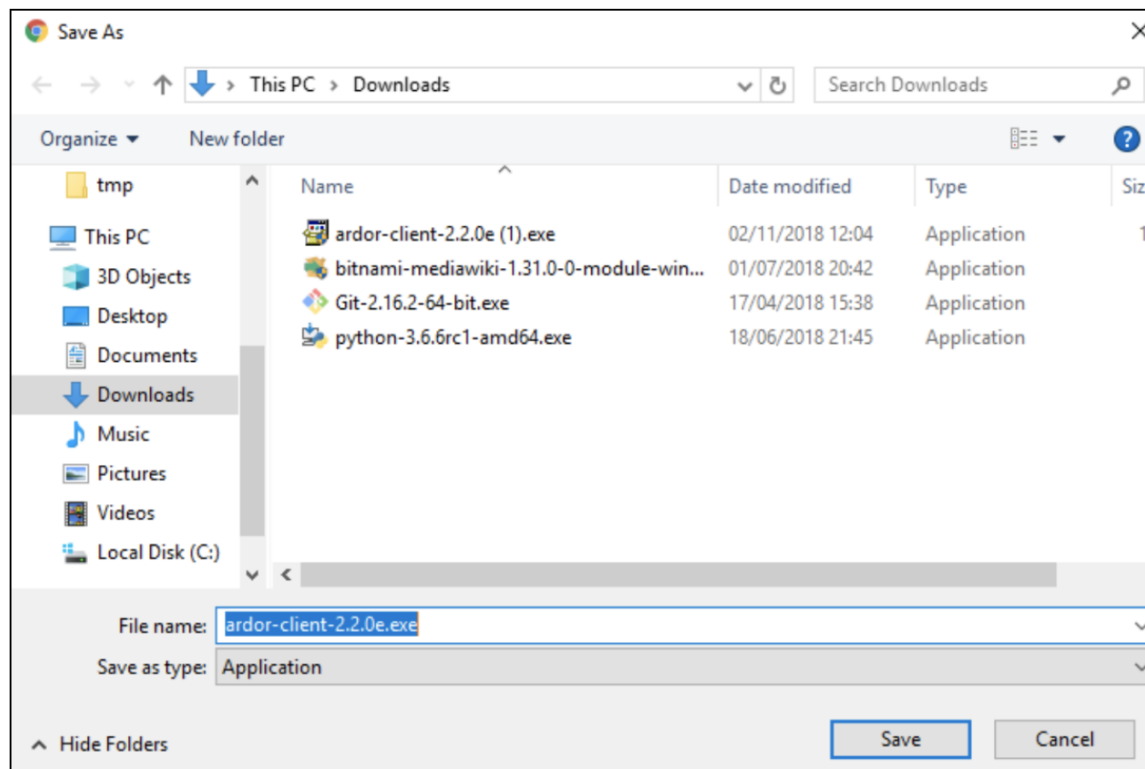
Jelurida and Efficient Frontier Bring Liquidity to IGNIS Trading Pairs on Arдор Platform's Decentralized Coin Exchange

Jelurida and Efficient Frontier, a trusted provider of liquidity and digital asset trading solutions, have developed a market making solution for IGNIS trading pairs on the Arдор decentralized coin exchange.

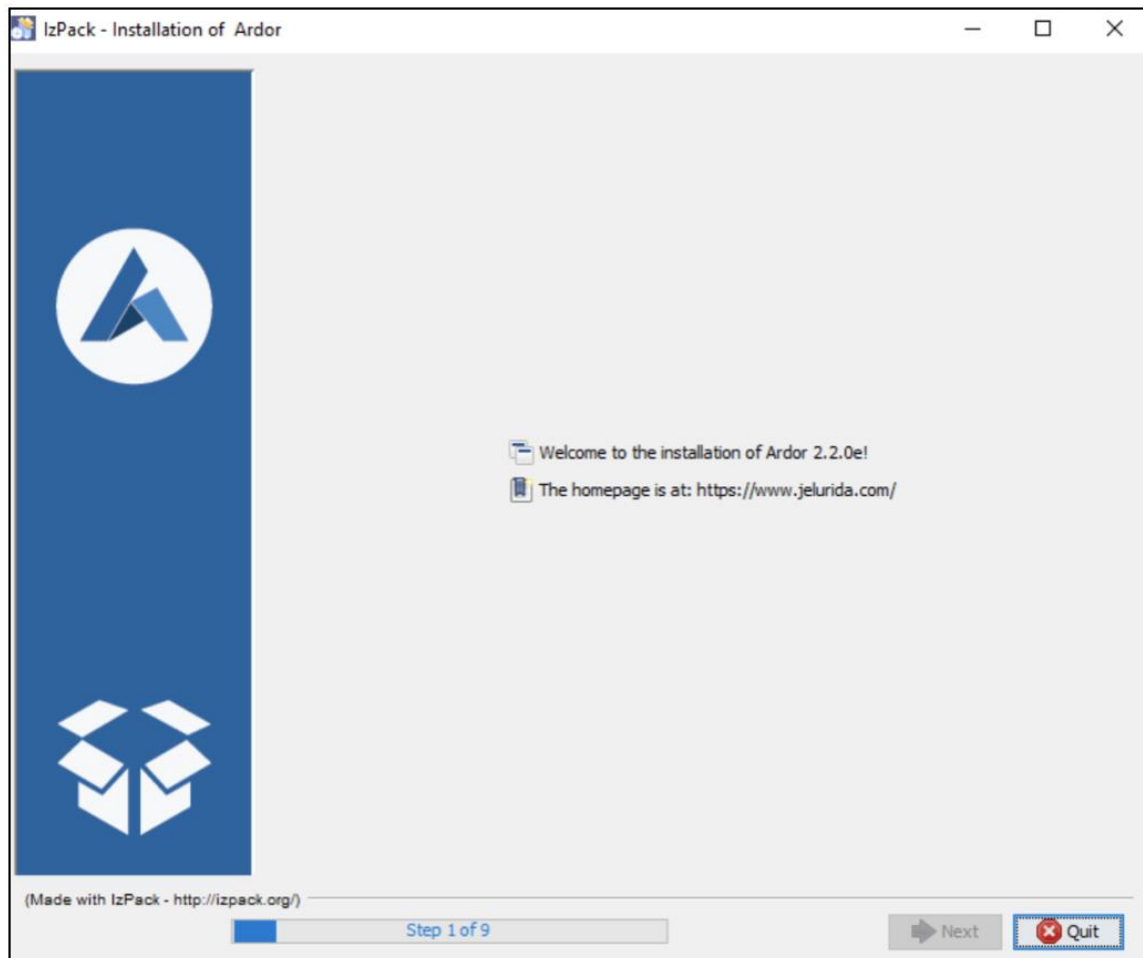
2019-04-15

[Read more](#)

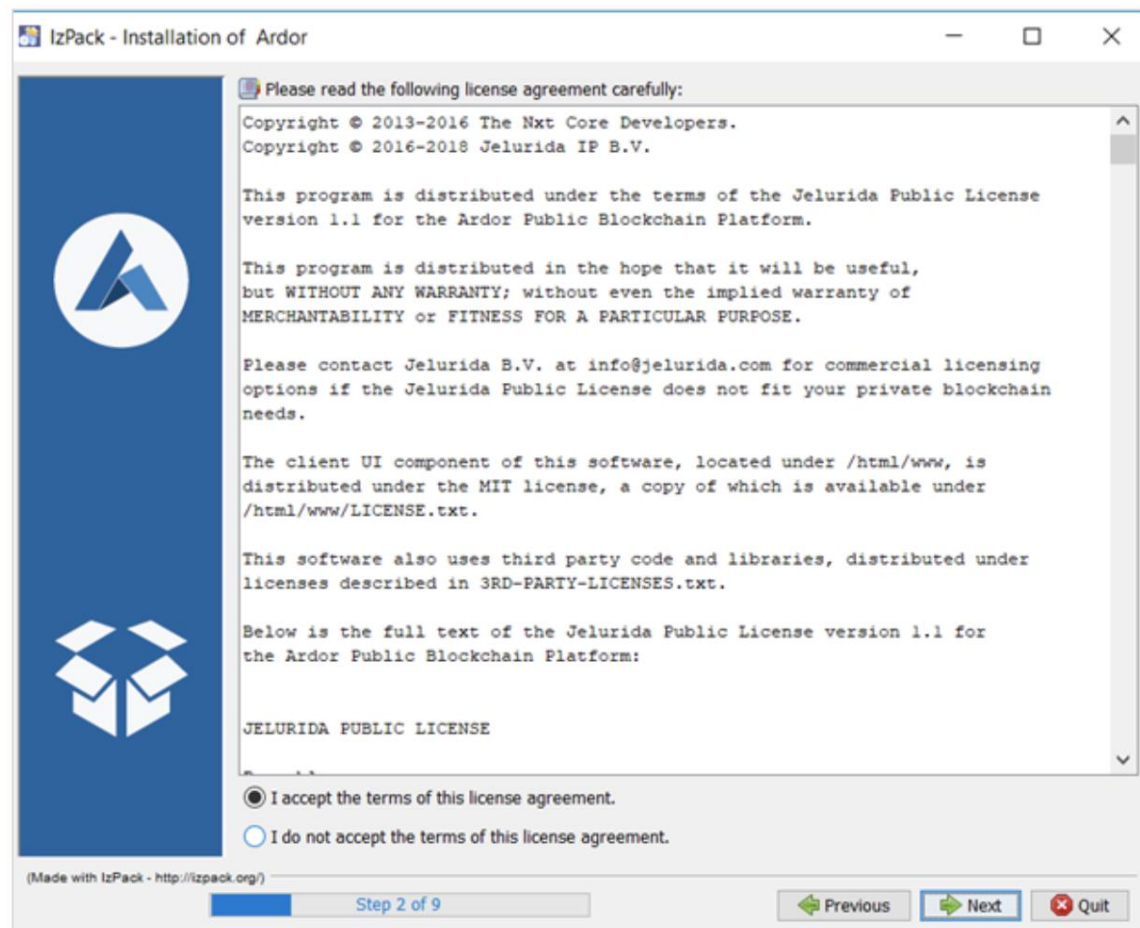
Click on the "Installer" for the latest stable release for your operating system, and save the application to your desired destination on your computer.



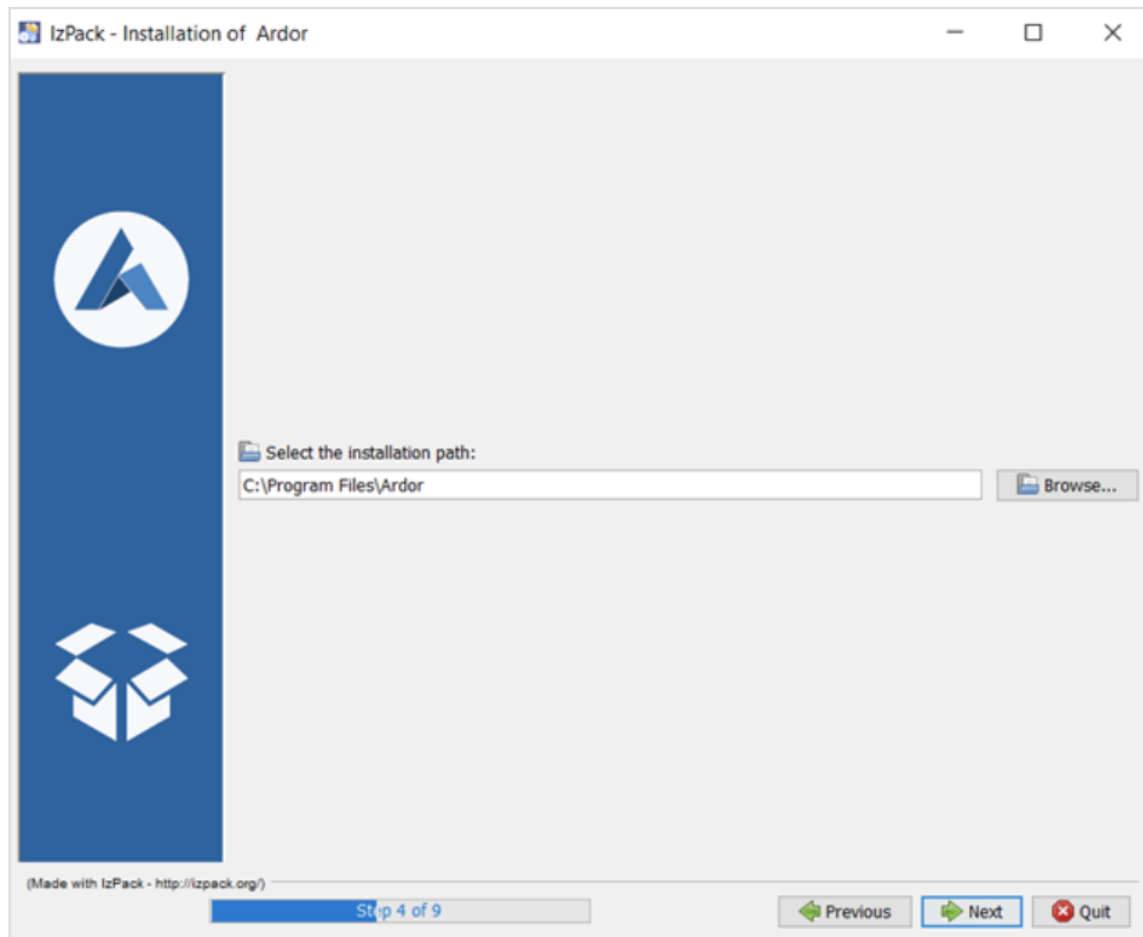
Navigate to wherever you saved the Ardor Client, and open the installer. You may get a notification asking for permission to allow the client to install, click “yes.” The file will extract, and then you will select your language and click “ok.” You land on a page that looks like this:



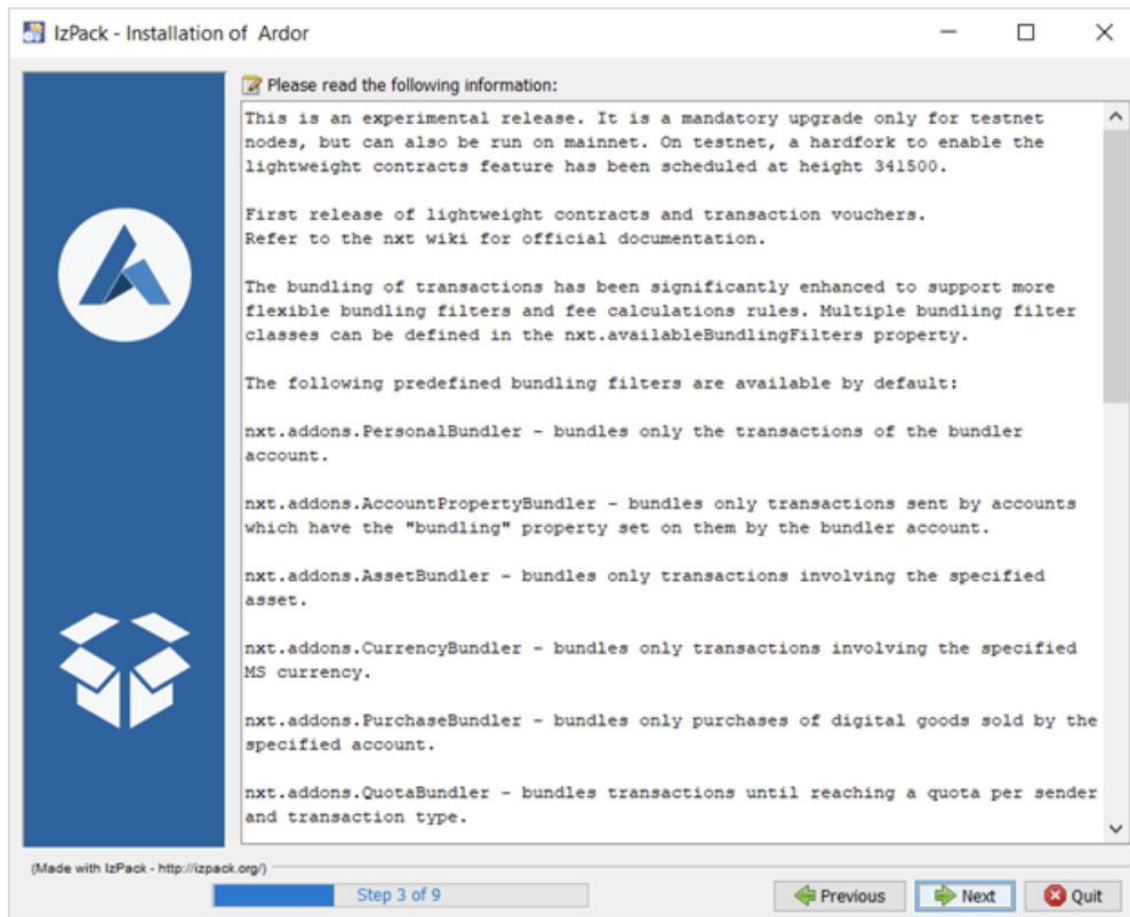
Click “Next” and you land on a page with the license agreement.



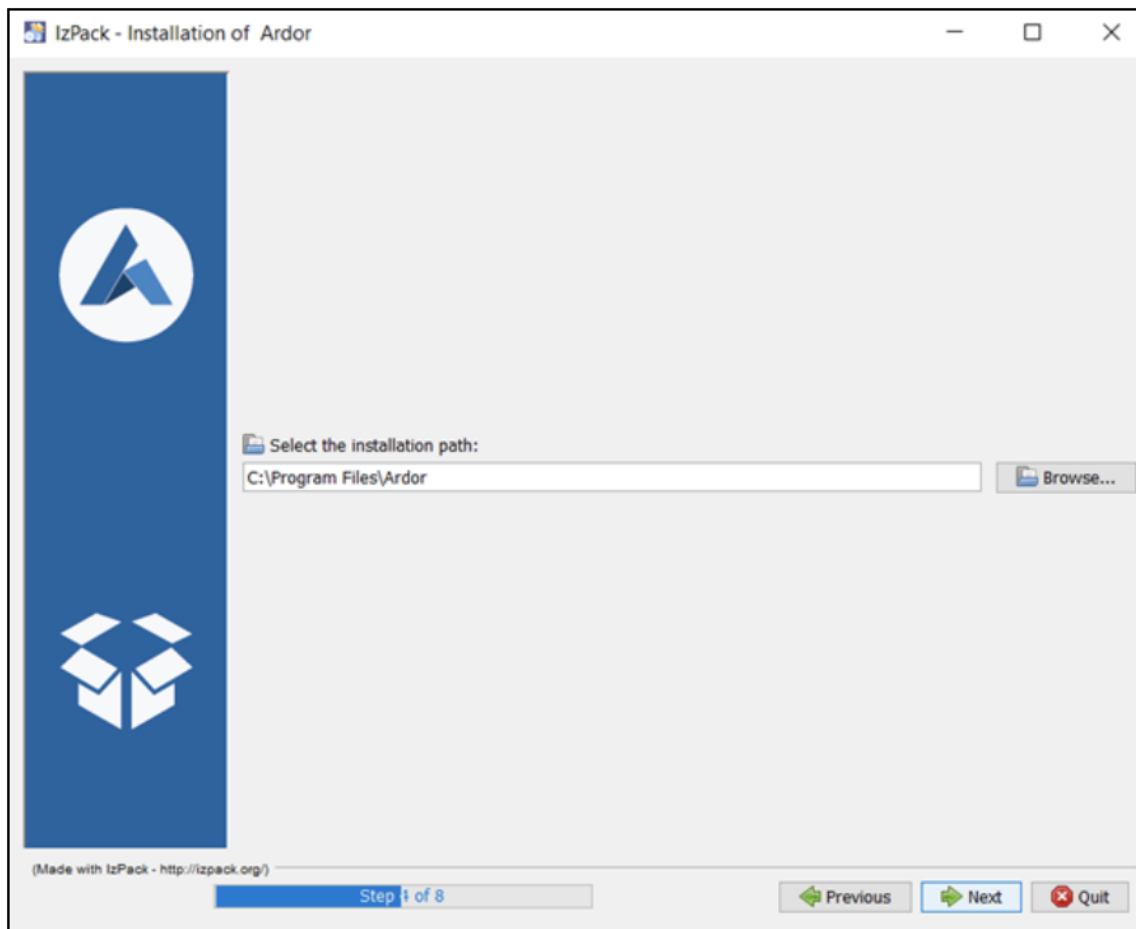
Read the agreement. If you agree, select “I accept the terms of this license agreement,” and click “Next.”



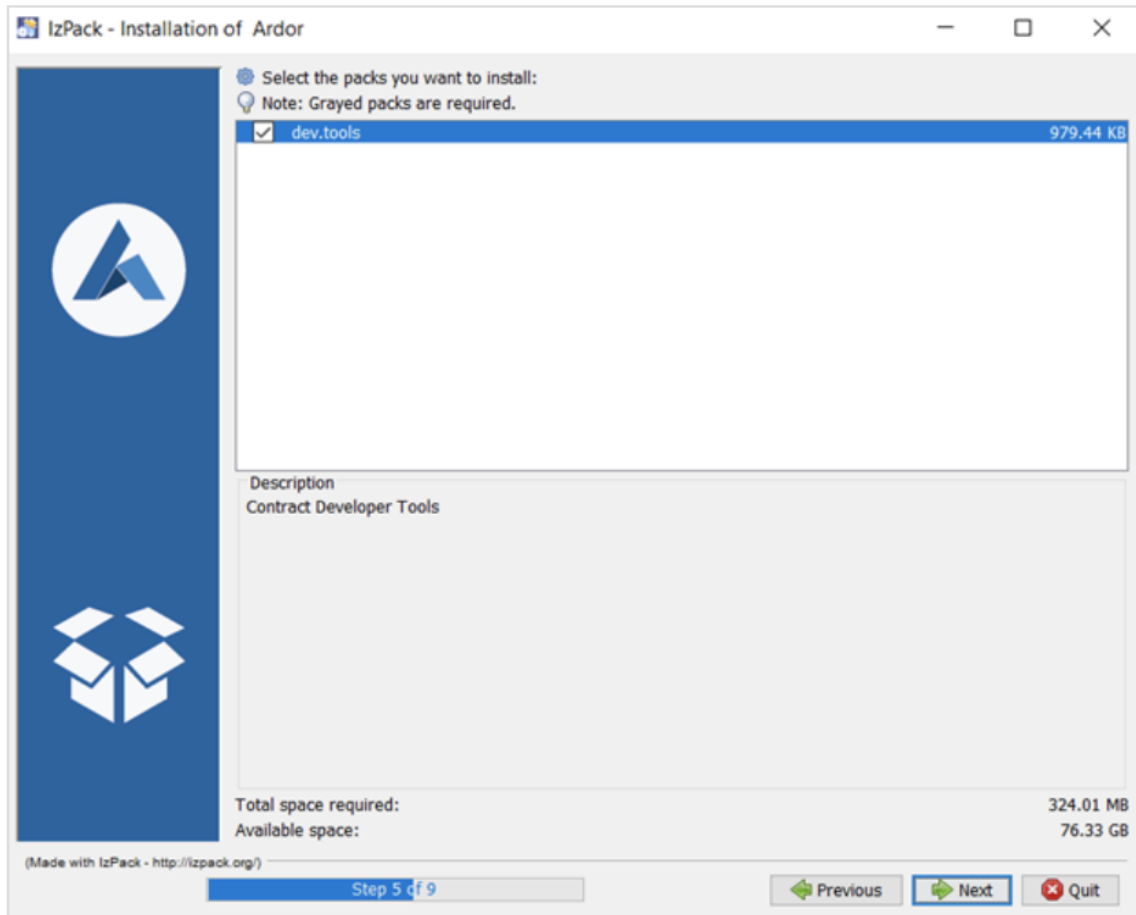
This page gives you some extra information on bug fixes. Click “Next.”



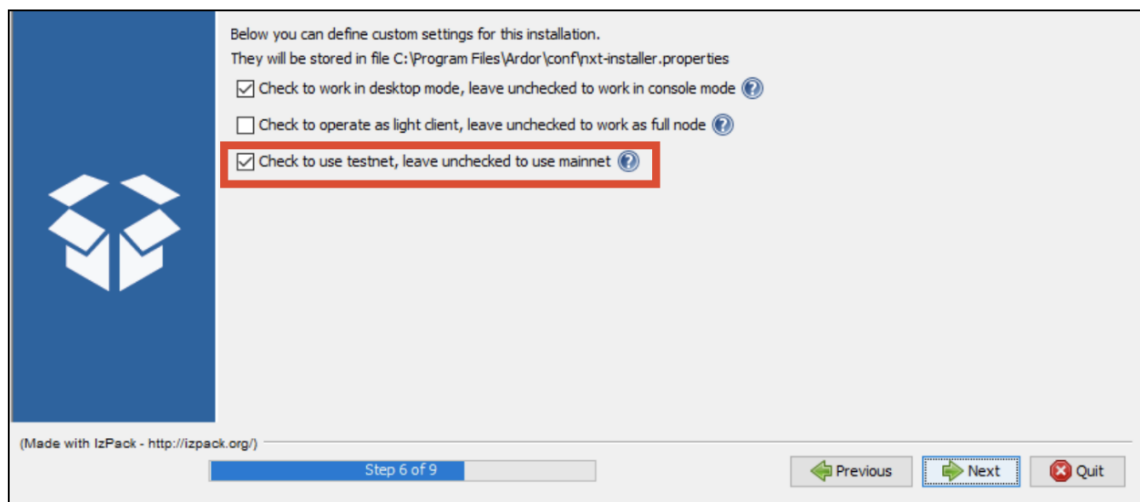
You need to select the destination on your computer for the Ardor Client application, then click “Next.”



Next step of the installation process shows you the developer tools that come built-in to this version of the Ardor client. Check the box as they are needed for this workshop and Click “Next.”

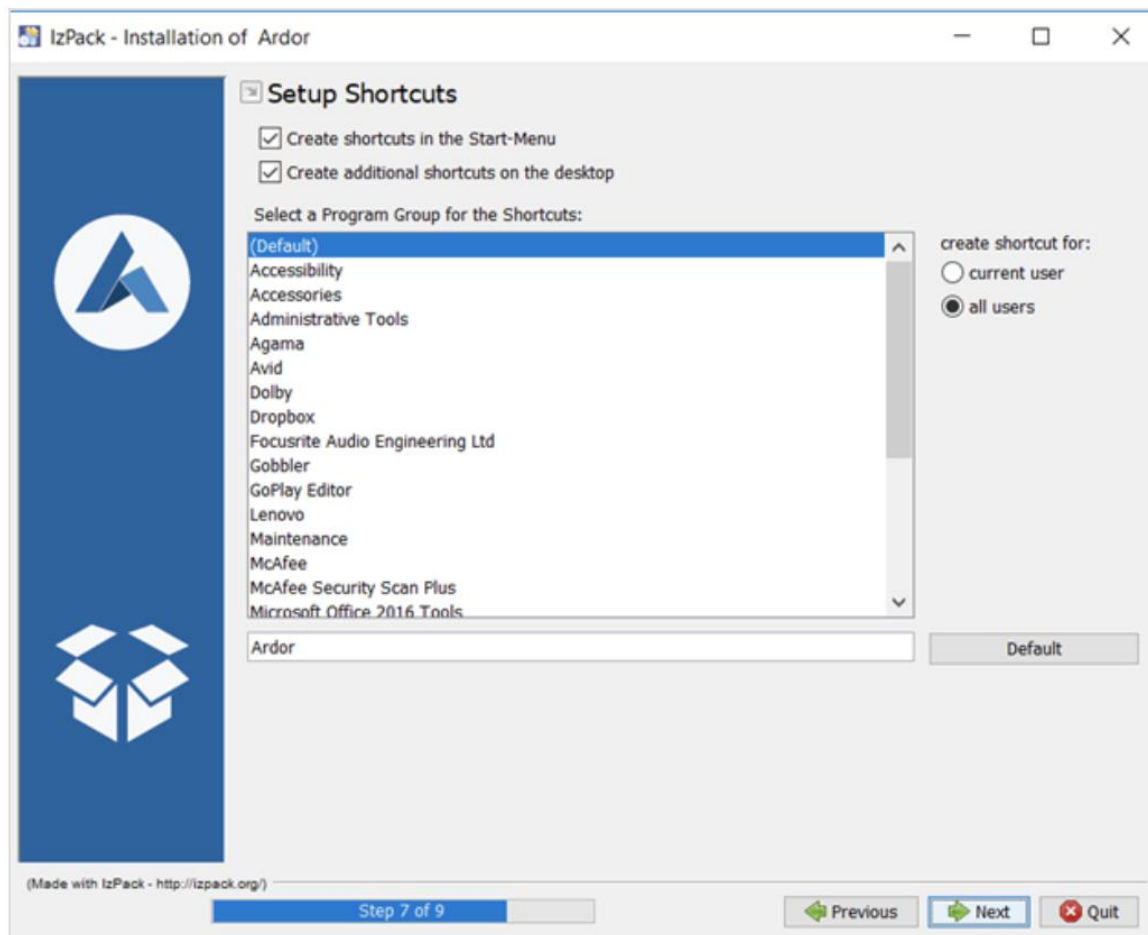


On this page, you can decide whether to run the full client, the light client, or the testnet.

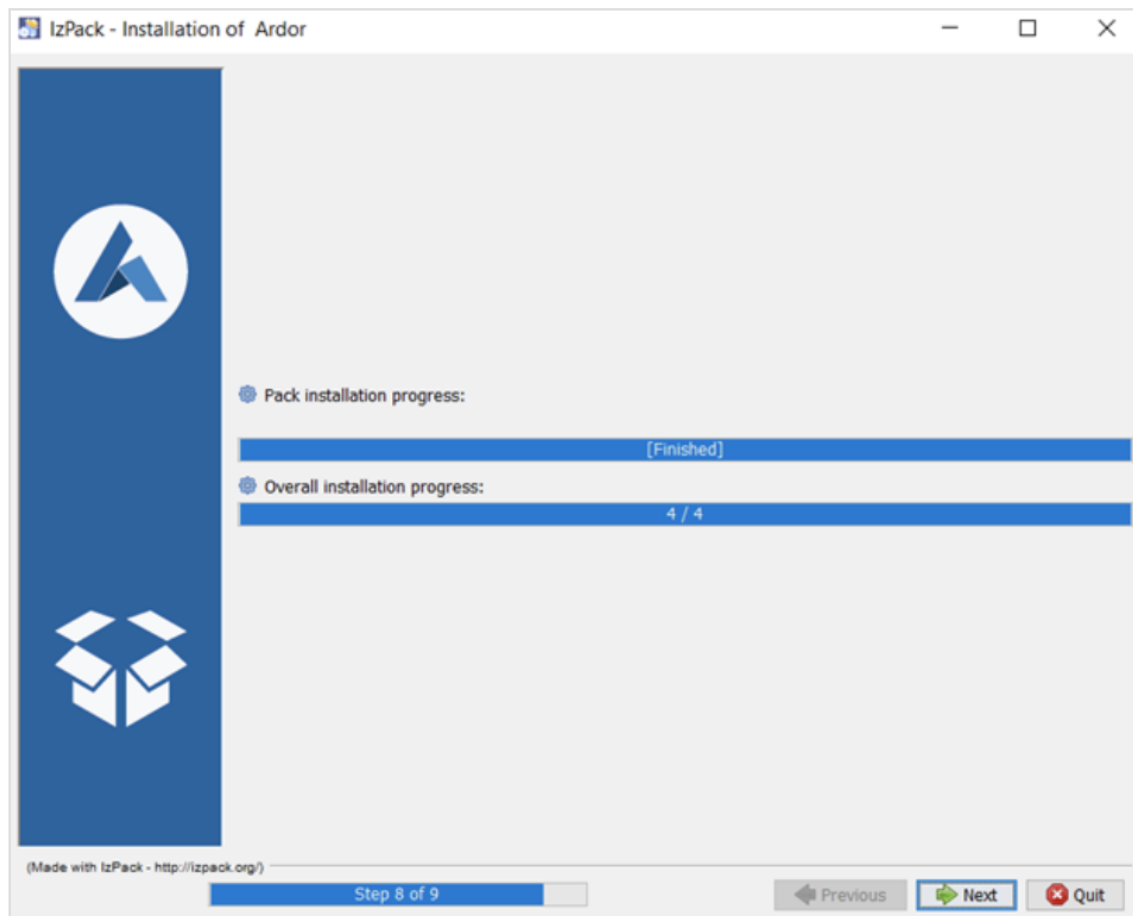


You should click the box next to the “testnet” option.

Then, click “Next.”



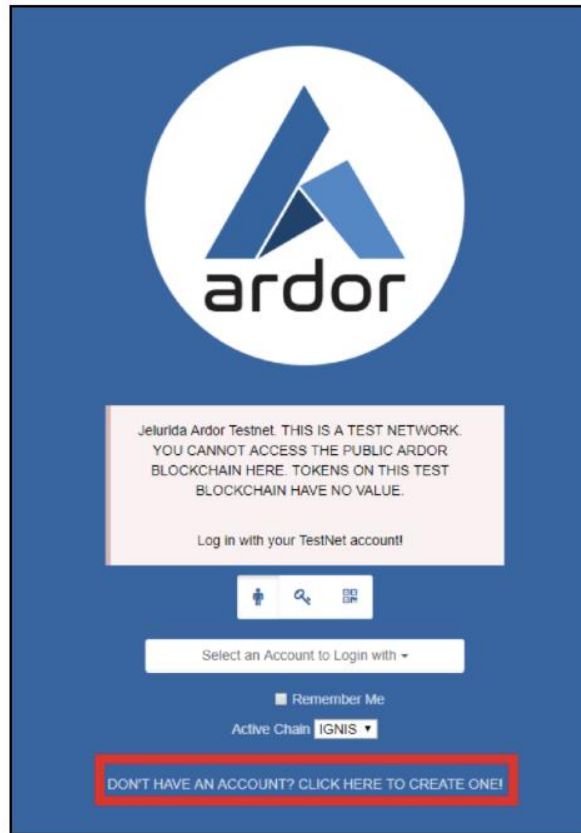
Click "Next."



Step by Step guide creation of an Ardor account:

Execute the Ardor software. Open a browser and go to <https://localhost:26876>. It will open the local Ardor testnet wallet. Create a new account following the next instructions:

Click on the DON'T HAVE AN ACCOUNT? CLICK HERE TO CREATE ONE! link at the bottom



A strong passphrase made from 12 random words will automatically be generated for you.
Make sure you copy and paste it somewhere you will remember during the workshop.

Create Your Account

Your automatically generated passphrase is:

mama darkness torment whether belly relax torture paper red lot tumble turn

Please write down or memorize these 12 words (their order and capitalization matters - always lowercase). This passphrase is needed in order to access your account.

Your public account address is:

ARDOR-UKXD-JDAE-QTRH-GH96X

[Print Paper Wallet](#)

Attention: Don't ever disclose your passphrase. If you lose it you lose access to your account!

☐ I will not forget my passphrase and I will never disclose it

NextCancel

IMPORTANT:

The passphrase is the only way to access to your account. If you lose your passphrase you will not be able to access to your tokens, nor perform any transaction in the blockchain anymore. There is no third party that controls or stores your passphrase.

Check the box that states “I will not forget my passphrase and I will never disclose it”, and click next

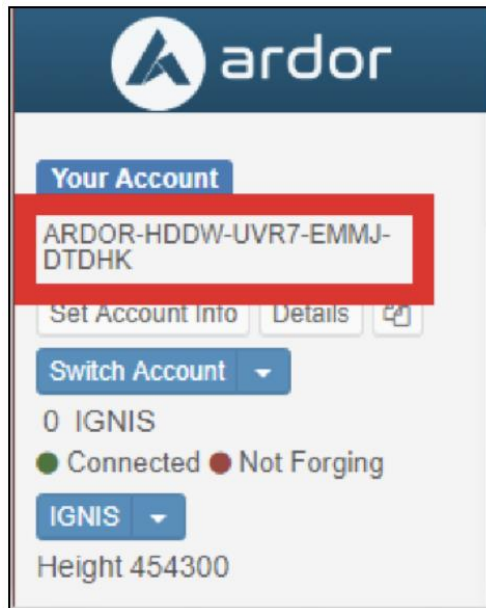
Copy your passphrase in the white box and click next. **This step is required for your safety, to make sure that you have copied your passphrase.** However, is your responsibility to save it and keep it in a private and secure place.

Create Your Account

Your passphrase is very important! In order to be sure that you have saved it, please write your passphrase below:

NextCancel

Your account has been created. Note that your Ardor account address is shown in the following image:



Fund your account with IGNIS and ARDR tokens
Copy your Ardor account number that you just created



Go to the webpage: https://www.ardor.world/en/faucet_ignis

Paste your Ardor account number in the box "Wallet"

Check the Terms and Conditions box, and validate the Captcha

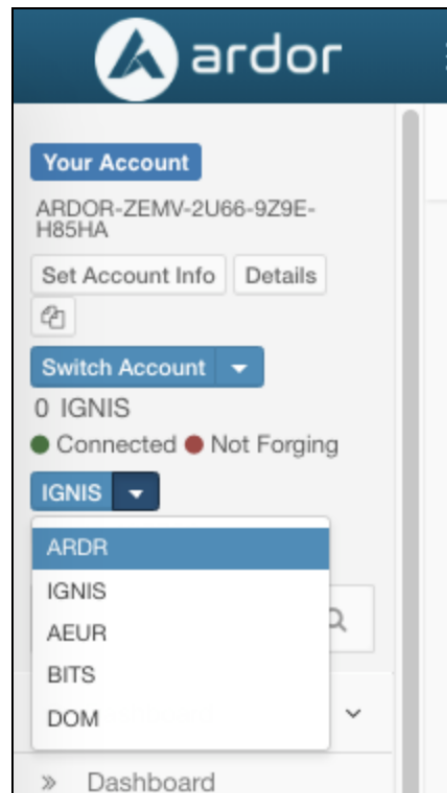
Click on “Submit”, and after a couple of minutes, you should see your testnet IGNIS tokens in your Ardor wallet

The screenshot shows the 'Get Ignis Testnet Coins!' page on the Ardor World website. The page includes a form to request 1500 IGNIS tokens. The form fields are: Wallet (ARDOR-ZEMV-2U66-9Z9E-H85HA), Account ID (ARDOR-~), a checkbox for 'I read and agree the terms and conditions', a reCAPTCHA 'I'm not a robot' widget, and a green 'Submit' button. To the right of the form, there is explanatory text in English, Korean, and Indonesian. Below the form, a table titled 'Last 15' shows a list of transactions with columns for '#', 'Recipient', and 'Date'. The first entry is for recipient ARDOR-BB93-W726-LZDZ-H50P-L on 08.11.2018. At the bottom right, there is a 'Live access: Ardor testnet wallet' link and a 'Wiki' link to https://nxtwiki.org/wiki/Main_Page.

#	Recipient	Date
1	ARDOR-BB93-W726-LZDZ-H50P-L	08.11.2018

Finally, fund your account with ARDR tokens.

Switch to ARDR



Copy your Ardor account number (it is the same that you have copied before)

Go to the webpage: https://www.ardor.world/en/faucet_ardor/

Paste your Ardor account number in the box "Wallet" again

Check the Terms and Conditions box, and validate the Captcha

Click on "Submit", and after a couple of minutes, you should see your testnet ARDR tokens in your Ardor wallet