

## XUP Vitis Labs (2019.2)

|                      |                                |                             |                    |                            |                 |                          |                   |
|----------------------|--------------------------------|-----------------------------|--------------------|----------------------------|-----------------|--------------------------|-------------------|
| 1.<br>Setup<br>Vitis | 2.<br>Introduction<br>to Vitis | 3. Improving<br>Performance | 4.<br>Optimization | 5. RTL<br>Kernel<br>Wizard | 6.<br>Debugging | 7. Vision<br>Application | 8.<br>PYNQ<br>Lab |
|----------------------|--------------------------------|-----------------------------|--------------------|----------------------------|-----------------|--------------------------|-------------------|

## Connecting to Nimble

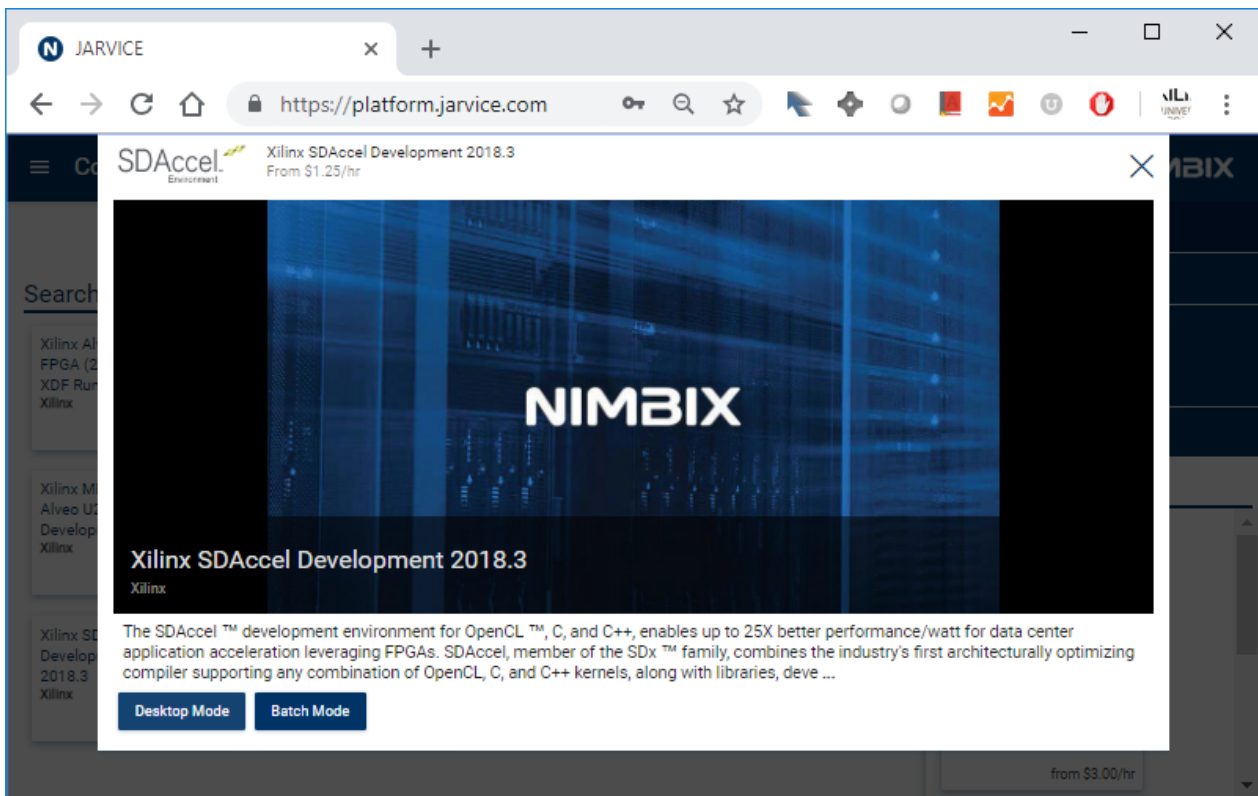
- Log in to Nimble: <https://platform.jarvice.com/>
- Click Compute in the top left menu to select a compute instance
- Type Xilinx to filter the list of instances

The screenshot shows the Jarvice platform interface. The top navigation bar includes a hamburger menu, the word 'Compute', and the 'NIMBLE' logo. A search bar in the top left contains the text 'xilinx'. The main content area displays a grid of compute instances under the heading 'Search For "Xilinx"'. The instances are:

- Xilinx Alveo FPGA (2018.2 XDF Runtime) Xilinx from \$3.00/hr
- Xilinx FPGA (with 2017.4\_op runtime) Xilinx from \$3.00/hr
- Xilinx FPGA (with 2018.2 runtime) Xilinx from \$3.00/hr
- Xilinx GEMX Xilinx from \$3.00/hr
- Xilinx ML Suite Alveo U200 Development Kit Xilinx from \$3.00/hr
- Xilinx ML Suite Alveo U250 Speed Demo Xilinx from \$3.00/hr
- Xilinx SDAccel Development (2018.2 XDF) Xilinx from \$1.25/hr
- Xilinx SDAccel Development 2017.4\_op Xilinx from \$1.50/hr
- Xilinx SDAccel Development 2018.3 Xilinx from \$1.25/hr
- Xilinx WEBP Xilinx from \$3.00/hr

The right sidebar contains a 'Compute' button and a list of links: Dashboard, PushToCompute™, Account, Log Out, and a 'Recent' section.

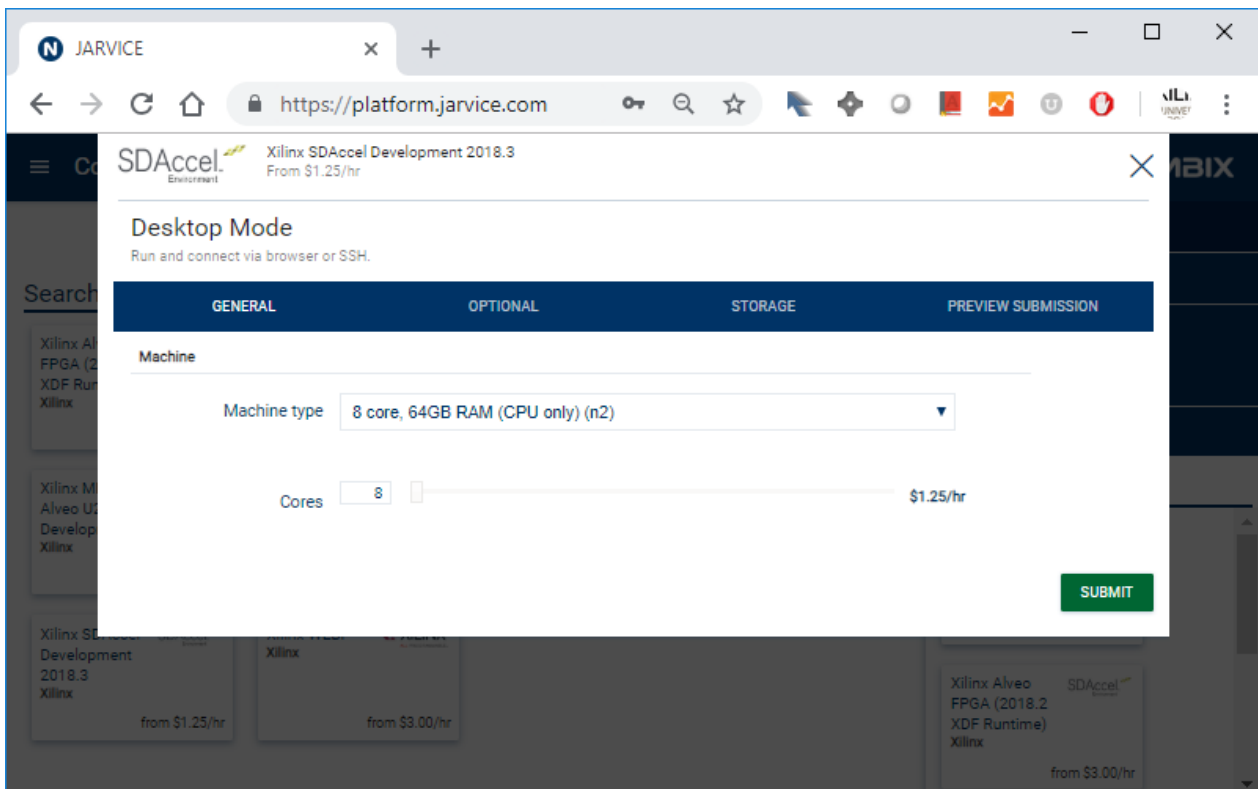
- Select the *Xilinx Vitis Unified Software Platform 2019.2* instance
- Click on Desktop mode with FPGA



- Select the instance you prefer.

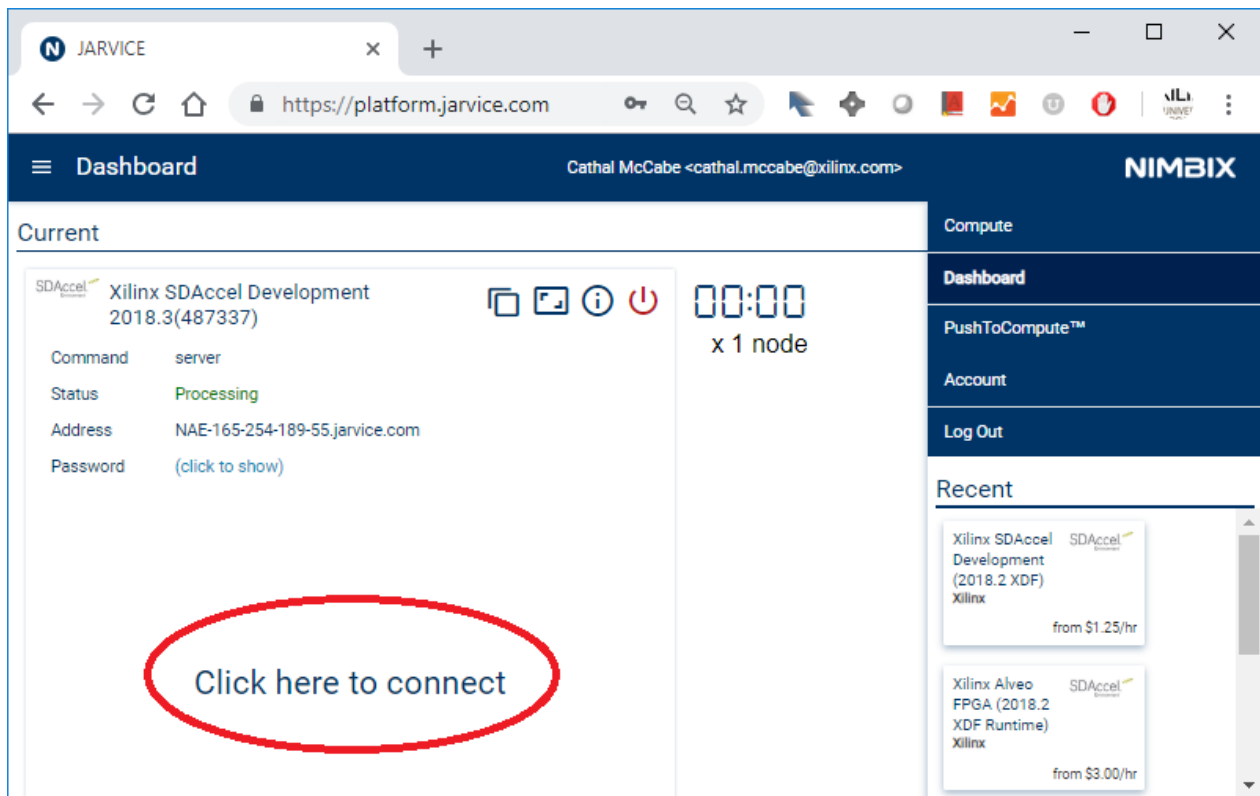
The smallest instance can be used for the labs. For the first part of the labs, you don't need to select an instance with Alveo hardware.

Note that only `/data/` folder is persistent storage, everything outside of this folder will be lost after powering-off the instance

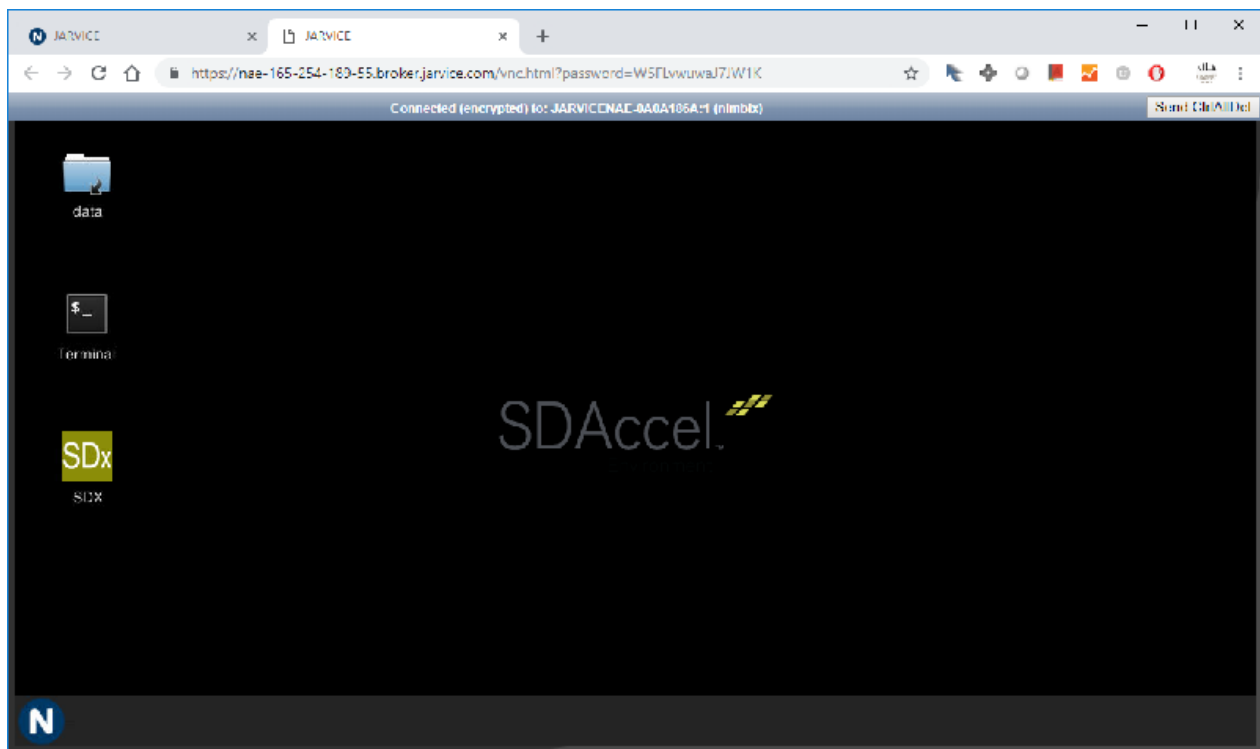


When the instance is ready, you will see the option to *Click here to connect*.

- Click on the desktop preview to connect.



A Linux desktop will open in a new tab in your browser.



## Enroll to an Alveo trial

Nimbix provides up to 100 hours of free time on the Nimble Cloud using Xilinx Tools and Accelerators.

- Request an [Alveo trial](#)
- Fill in the form and make sure you select U200 Alveo board.

## Get started with Alveo accelerator card applications today on the Nimble Cloud

Nimbix has partnered with Xilinx to provide developers and engineers a trial account that provides up to 100 hours of free time on the Nimble Cloud using Xilinx Tools and Accelerators.

**Register for access to the Alveo Trial to get started with Alveo accelerated applications today.**

Applicant must be part of a valid company or university. Free trial time is limited to Alveo enabled resources and Xilinx tools and applications. A valid credit card is required for access to non-FPGA [Alveo](#) resources.

**Name \***

|                      |                      |
|----------------------|----------------------|
| <input type="text"/> | <input type="text"/> |
| First                | Last                 |

**Email \***

Company or University email address required. No gmail or hotmail.

**Job Title \***

**City \***

**Country \***

**Company or Organization \***


**What family of accelerators are you interested in? \***

\*

☐ In order to deliver the requested service, I consent to my information being stored and shared with Nimbix and partners involved in this trial offer. This is in accordance with our [Privacy Policy](#).

**CAPTCHA**

☐ I'm not a robot

  
reCAPTCHA  
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SUBMIT

- Shortly after you will get an email with a coupon number and instructions to continue the process.
- You will be asked to fill in billing information for non-alveo use.
- After that, you will get another email to complete the registration.
- Finally, you can log in <https://platform.jarvice.com/>