

# QUICK START GUIDE

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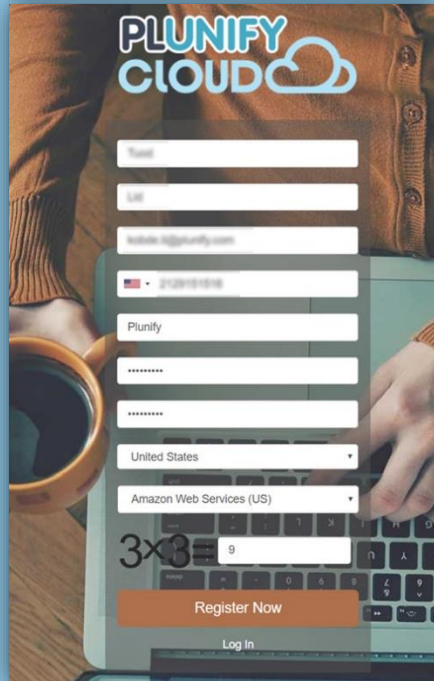
Set up Plunify Cloud



# Account Setup

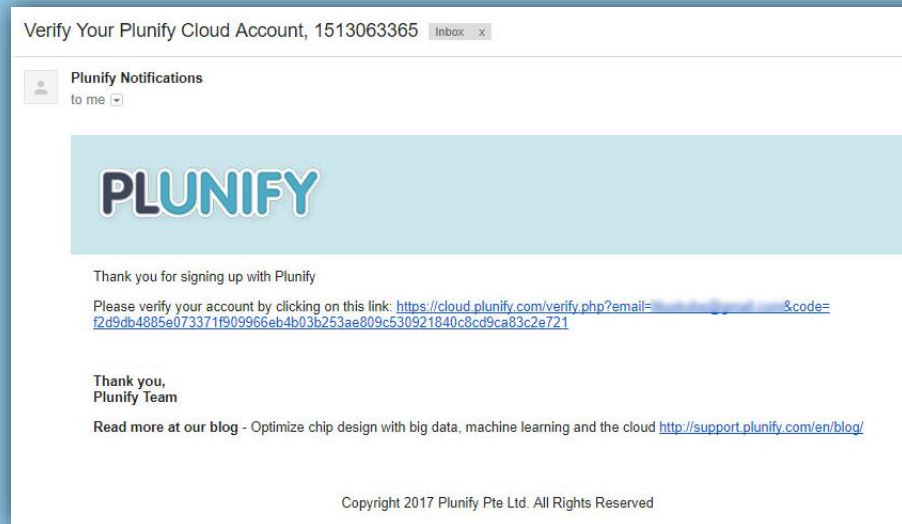
To begin, please register a Plunify Cloud account at [the Web Console](#).

Fill in sign-in credentials,  
click "Register Now"

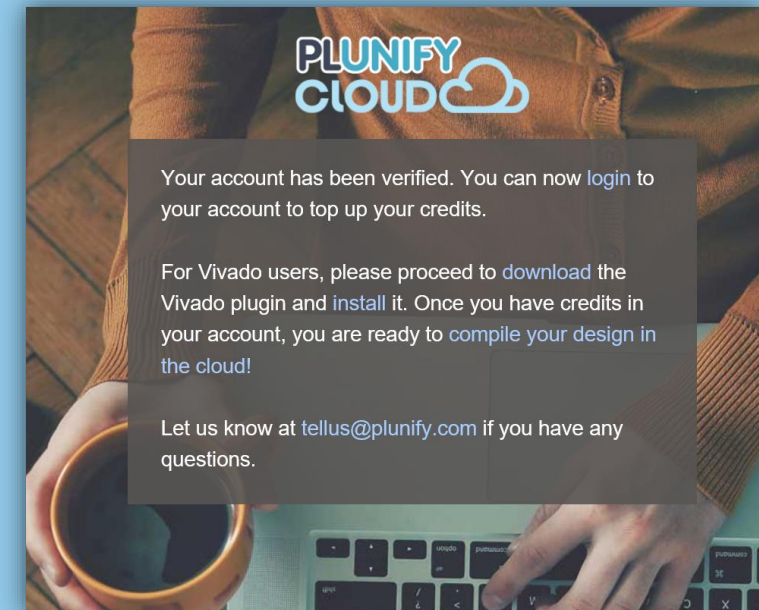


The screenshot shows the Plunify Cloud registration form. It includes fields for Name, Last Name, Email Address, Password, Confirm Password, Country (United States), and Region (Amazon Web Services (US)). There is a CAPTCHA field with the text '3x3=9'. A 'Register Now' button is at the bottom, and a 'Log In' link is below it.

Verify the registered Email address

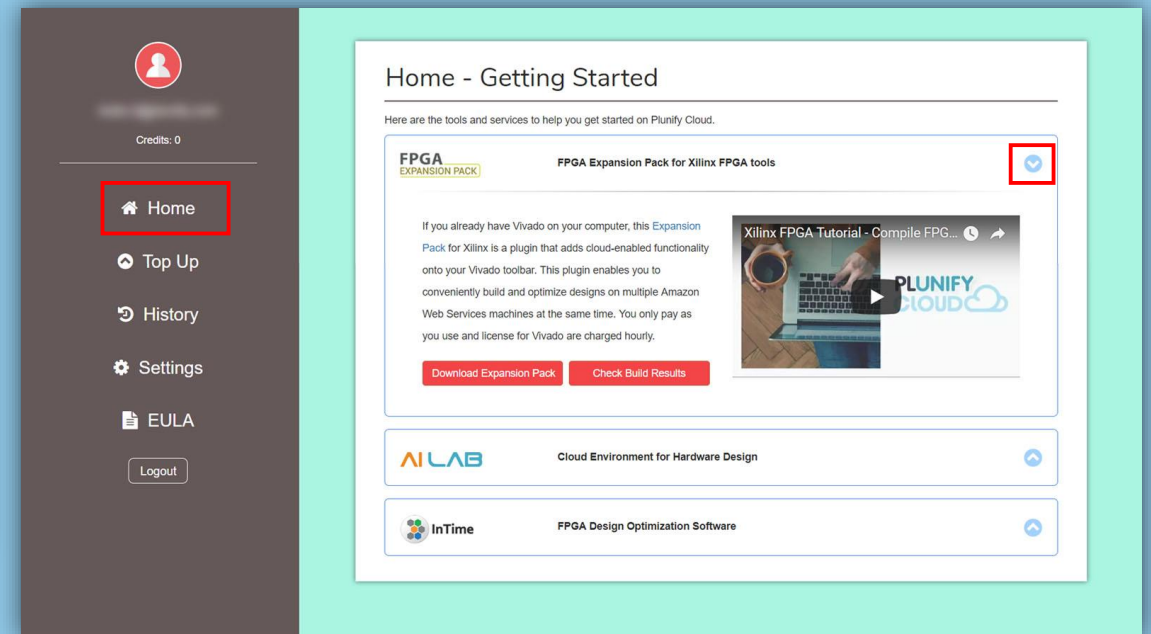
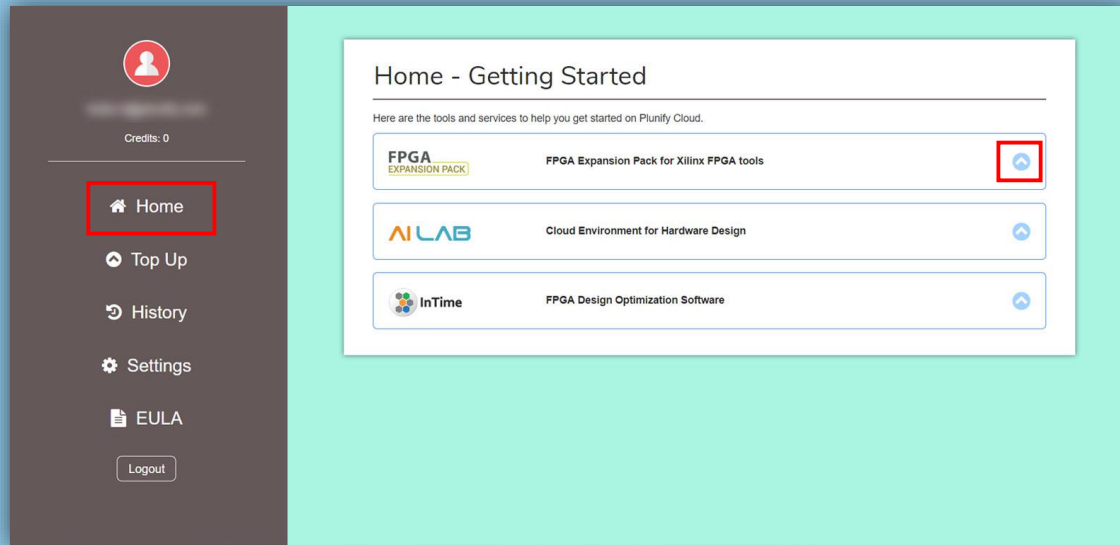


Complete the registration



# Account Setup

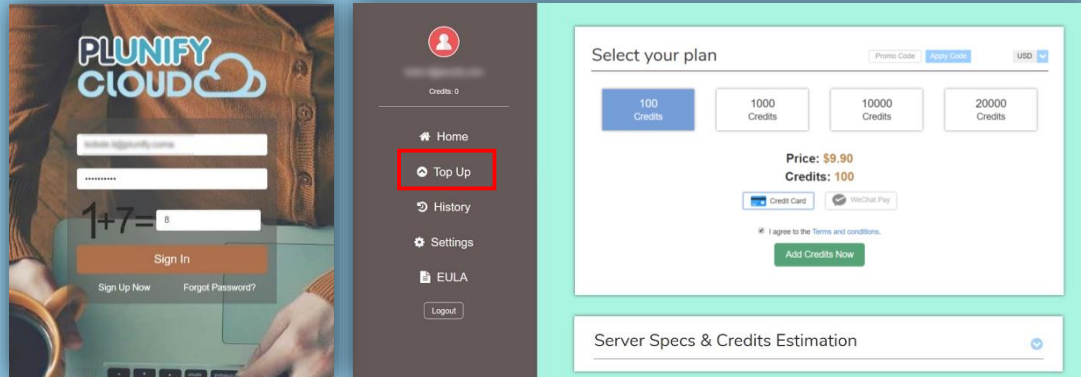
Log on to the Web Console, browse the list of Plunify Cloud applications.



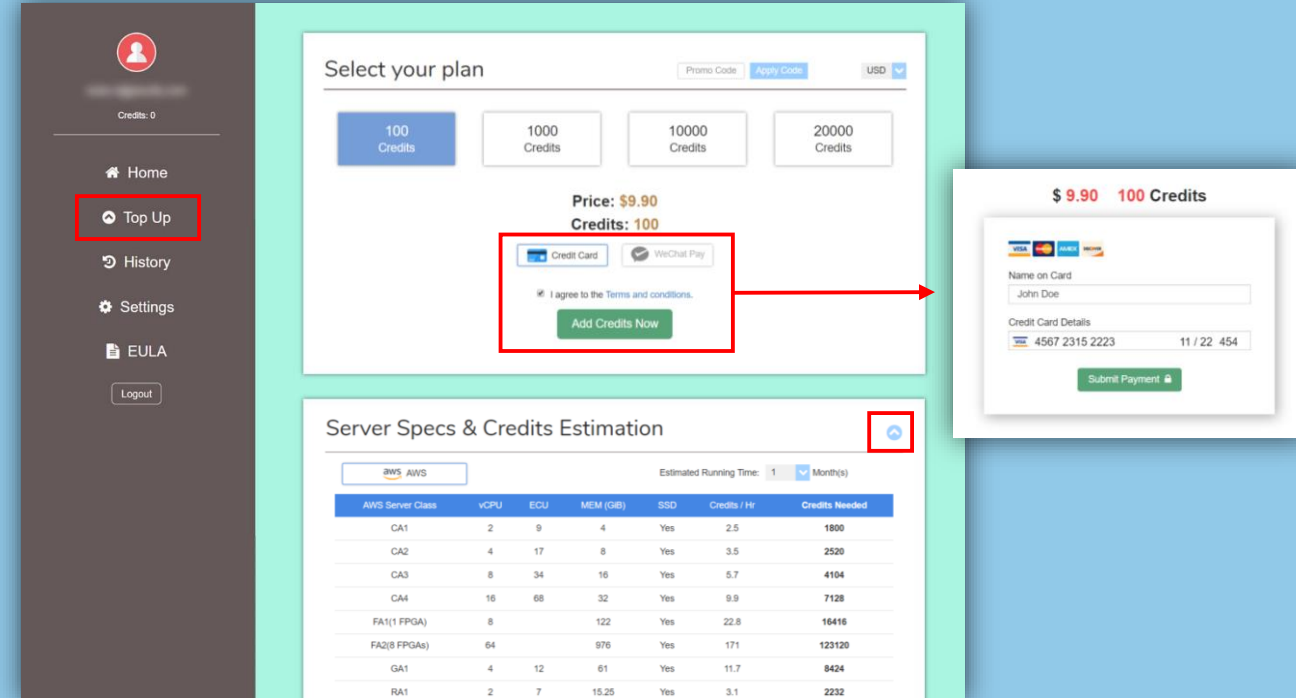
# Credits

To use the products in Plunify Cloud, you will need to top up credits.

Log on to the Web Console



Check Server Specs & Credits Estimation, then select the preferred plan and payment method



# Account Info

You can also access certain account information in the Web Console.

Check credit usage or purchase history

**History**

Top Up History | All Usage History

Top Up Date	Amount	Status	Payment Method	Credits Expiry	Transaction ID
29-06-2018 15:34:05	558.00 USD	Initiated	Credit Card	N.A	3e5c5f666509650965017a282033796
29-06-2018 15:32:33	559.00 USD	Initiated	Alipay	N.A	66e814574052b5a7e6c4945850a786f
29-06-2018 15:30:08	158.00 USD	Initiated	Alipay	N.A	2758962061c721115b46c1763315c056a
29-06-2018 15:28:12	559.00 USD	Initiated	Alipay	N.A	6b70a944d5f5497c76549388a8075c4d6
29-06-2018 15:27:24	999.00 CNY	Initiated	Credit Card	N.A	62420227c3b60a0a05a004ba1770ee
08-04-2018 15:23:38	158.00 USD	Initiated	Credit Card	N.A	3a96a7c001a96d77353535353535353535
16-03-2018 14:54:22	3699.00 USD	Initiated	Alipay	N.A	0554e2039f1900337d5b5b57e5467
10-03-2018 10:52:51	18000 JPY	Initiated	Credit Card	N.A	585647a2b5a0271589617442144c21ad7
10-03-2018 10:50:18	3699.00 USD	Initiated	Alipay	N.A	e51858928f1a24808a6f005348b64751
26-02-2018 10:22:39	999.00 CNY	Initiated	Credit Card	N.A	27a9169297a095c882773e4e002e9e

Whoop! No credits usage yet!

Update profile information or password

**Settings**

View/Update Profile | Update Password

Cloud Storage Location

First Name | Last Name

Designation | Address

Country | Organization

Contact Number | Website

Update

## EULA

Verify that you have accepted your software's End User License Agreements (EULA).

The screenshot shows the Plunify Cloud user interface. On the left is a dark sidebar with a user profile icon, 'Credits: 0', and navigation links: Home, Top Up, History, Settings, and EULA (highlighted with a red box). A 'Logout' button is at the bottom of the sidebar. The main content area has a light green background and features a white 'EULA' modal. This modal contains a table with columns: Toolchain, Link, Agree, and Date. One entry is shown for 'Xilinx Vivado' with a link to 'EULA' and a checked 'Agree' box. A green 'Submit' button is located below the table.

Toolchain	Link	Agree	Date
Xilinx Vivado	EULA	<input checked="" type="checkbox"/>	

Submit

# FPGA EXPANSION PACK

To use the [FPGA Expansion Pack](https://www.plunify.com/en/fpga-expansion-pack), please download the installer at:

- the FPGA Expansion Pack page;
- the download page in the Plunify Cloud Web Console.

## FPGA Expansion Pack page

<https://www.plunify.com/en/fpga-expansion-pack>

### Download the FPGA Expansion Pack

 For Linux

 For Windows

Version: 1.1.4  
MD5: b89437ea1c8fd73a725ad7739abf9779  
Size: 93MB

Version: 1.1.4  
MD5: 3fdda401ec7f31cf20712ecb4779c04c  
Size: 85MB

You will need a Plunify Cloud account and sufficient credits to compile in the cloud.  
[Sign up here.](#)

## Plunify Cloud Web Console

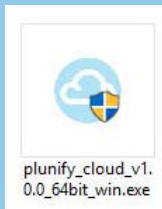
<https://cloud.plunify.com/downloads>

### Download the Plugin

Linux	MD5: 905498fd8009d9a6fc695b833862bd2f Size: 93MB	Download
Windows	MD5: 9d6075e46543facf76a5956cbab72fe6 Size: 85MB	Download
Mainland China Mirror (中国大陆镜像)		
Linux	MD5: 905498fd8009d9a6fc695b833862bd2f 文件大小: 93MB	下载
Windows	MD5: 9d6075e46543facf76a5956cbab72fe6 文件大小: 85MB	下载



# FPGA EXPANSION PACK

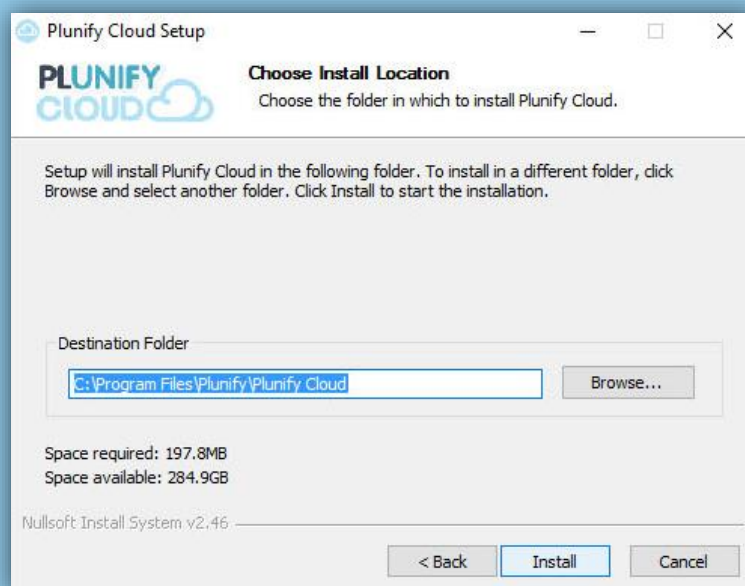


Run the installer and follow the steps.

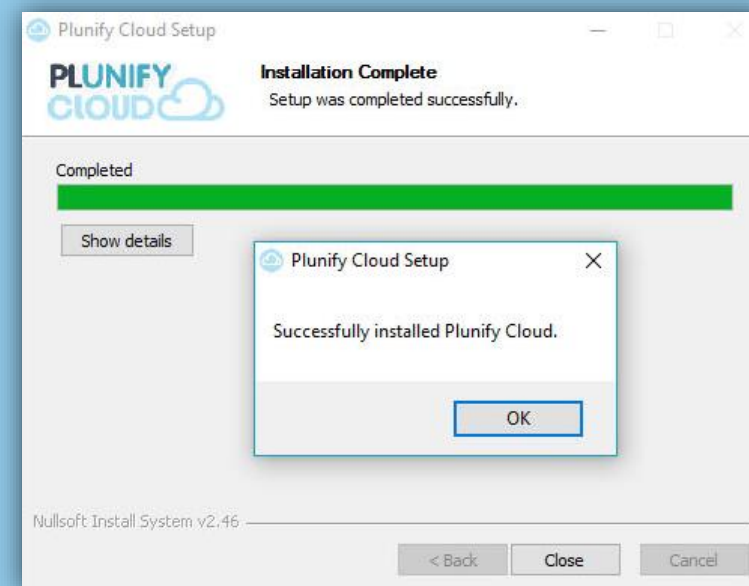
## Select the user scope



## Select the installation path



## Complete the installation

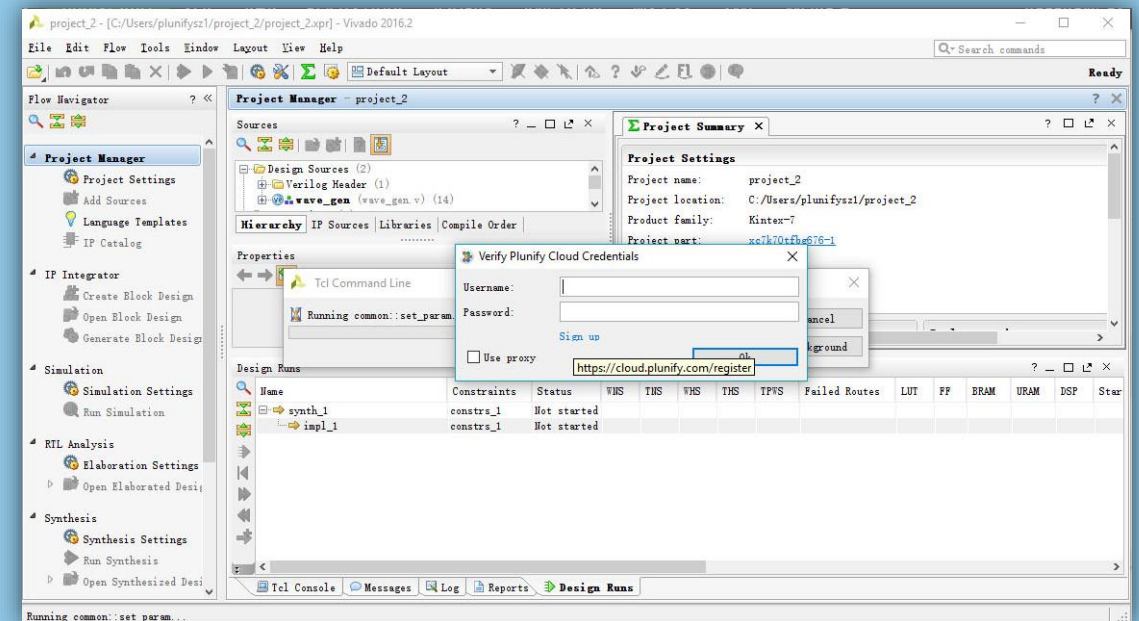
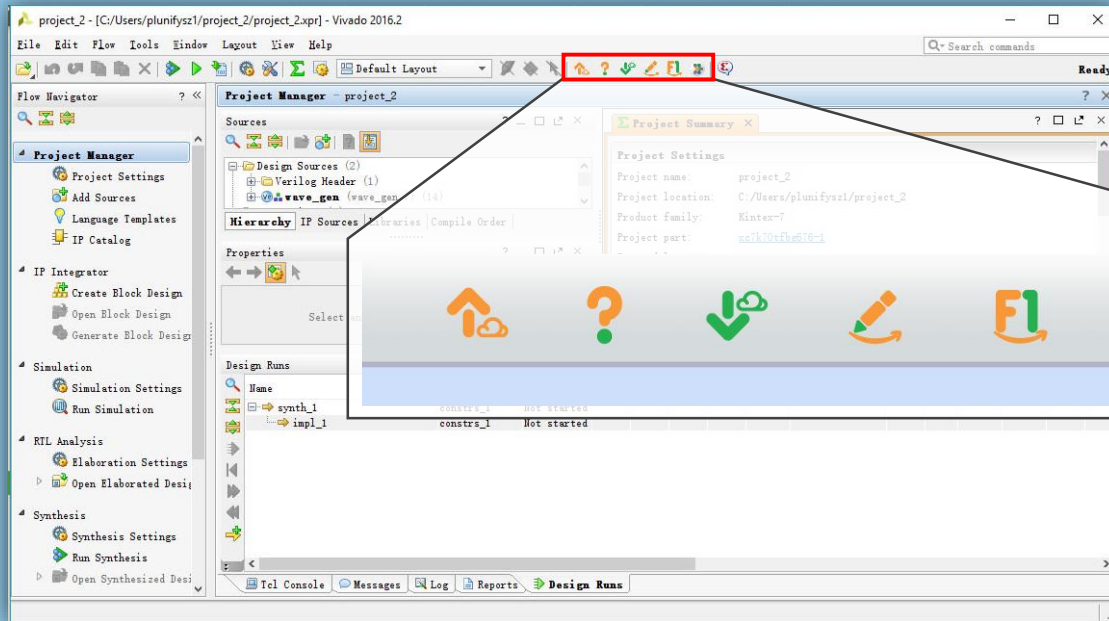




# FPGA EXPANSION PACK

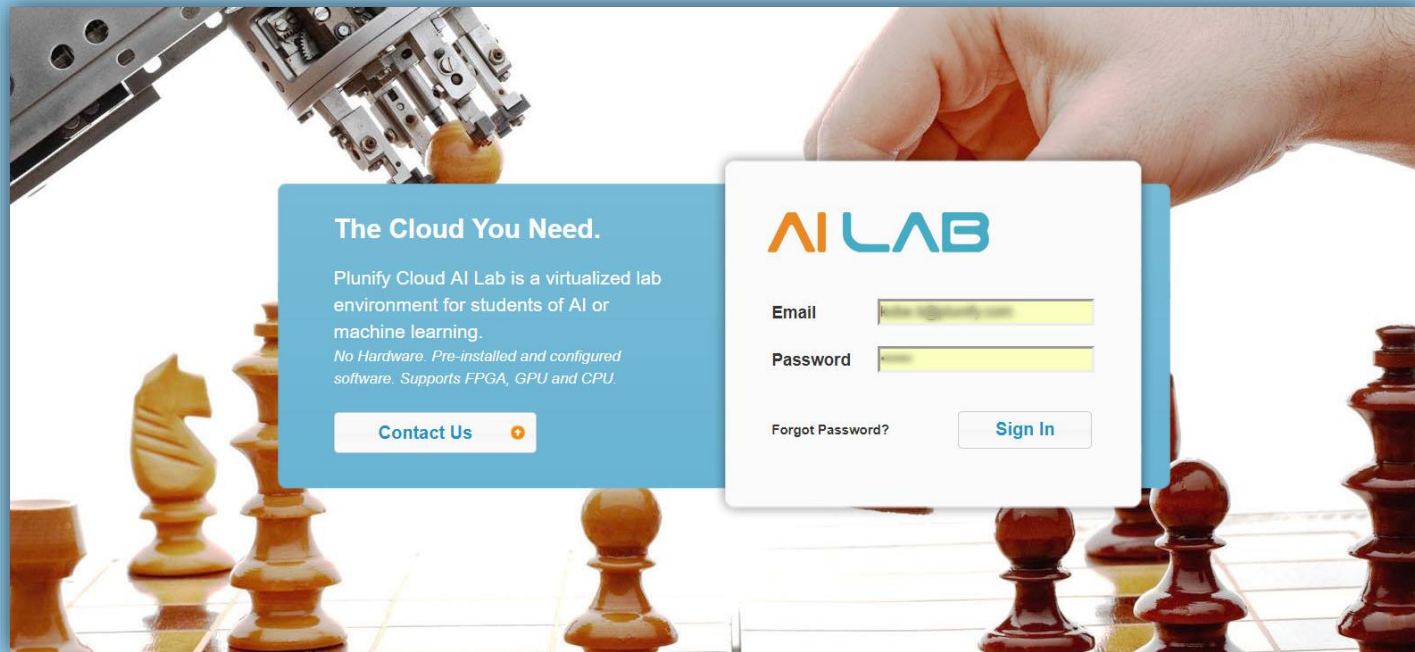
Open Vivado, and notice the 6 new FPGA Expansion Pack buttons on the tool bar.

Click any one of them to sign in (one-time), and [start working on your cloud FPGA project.](#)





To use [AI Lab](#), simply log on to your Plunify Cloud account at the [AI Lab portal](#), then [start your cloud project](#).





If you are an [InTime](#) user, you can [use Plunify Cloud to accelerate InTime's design optimization](#).

eight\_bit\_uc.xpr - Plunify InTime v2.6.3 (plunify\_14DDA9D43560)

File Current Project View Help

Stop InTime Results Analysis

Recipe: InTime Default  
(Have 0-300 results) Performs first time calibration, exploration and optimization of your design. [More details...](#)

**Calibrate Design (189)**

- Initialize Job (00:00:00)
- Analyze Parent Revision (00:08:19)
- Prepare Training Data (00:00:01)
- Learn From Past Results
- Generate Strategies (00:00:27)
- Distribute Strategies (00:00:22)
- Sending Plunify Cloud job request
- Download Results
- Finalize Job

**Finalize Recipe**

Analyze Recipe's Results

Properties:

Run Target	Plunify Cloud
Number Of Runs	
Runs Per R...	10
Rounds	1
Concurren...	10
Goals	
Recipe Goal	Speed - TNS
Goal Based ...	0.00
Parent Revision	

**Current Project:** /home/plunify/plunify/examples/vivado/eight\_bit\_uc\_xpr/eight\_bit\_uc.xpr

**Best Result:** TNS of **-0.976** in **impl\_1** from Job ID 189.

History	Change	2: TNS	PP TNS	Worst Slack	Worst Setup	PP Worst Setup	Worst Hold	Worst Pulse Width	Area	Power	Fmax	Runtime	Start Time	Run Target
impl_1		-0.976	-1.596	-0.208	-0.208	-0.288	0.117	0.282	0.74	0.132	433.28	00:07:58	2018-07-20 15:43:51	Local

**Select Server**

Server Class: Class\_1

CPU (cores): 2

Memory (GB): 15.25

Credits per hour: 6.3

Confirm Cancel

This project contains 2 runs. InTime strategies will be based on run "impl\_1".

```
1892 15:52:24 [Info] [1] [J] decoded:
{"checkAgentToolchain": "false", "family": "KINTEX7", "flowId": "1532072611545", "maxtime": "120", "offPeak": "true", "remote_job_id": "0", "revisions": [{"cal_speed_tns_low_1", "calibrate_1", "calibrate_2", "calibrate_3", "calibrate_4", "calibrate_5", "calibrate_6", "calibrate_7", "calibrate_8", "calibrate_9"}, {"serverType": "Class_1", "serverLimit": "10", "target": "plunify_cloud", "toolchains": [{"tool": "Vivado", "vendor": "Xilinx", "version": "2017.3.0"}]}}
1893 15:52:24 [Info] [1] [J] A-59C9C9 mode: job
1894 15:52:24 [Info] [1] [J] A-59C9C9 git revision: 2.6.2 (Build afe5fb9)
1895 15:52:24 [Info] [1] [J] A-59C9C9 built on 2018-07-18 14:56:05
1896 15:52:24 [Info] [1] [J] A-59C9C9 now: 2018-07-20 15:52:24
1897 15:52:24 [Info] [1] [J] A-59C9C9 path: /home/plunify/kaillang/intime_2_6_3_2018_07_19_d3ff543/agent
1898 15:52:25 [Info] [1] [J] A-59C9C9 UIMANAGER...STARTING
1899 15:52:36 [Info] [1] [J] A-59C9C9 UIMANAGER...DONE
```

Session Log Issues Selected Results Tcl Console Private Cloud Console

Toolchain: Xilinx Vivado v2017.3.0, Device: xc7k70tfg484-2, Default Revision: impl\_1, Top Level: eight\_bit\_uc, Design ID: 1532072523691



Questions? Contact us at  
[tellus@plunify.com](mailto:tellus@plunify.com)

