

OLCF User Meeting

Training Resources at the OLCF

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June 22

Kinds of Training at OLCF

- Workshops, Seminars – Happen as need ~1 to 2 a month.
- Monthly User Call
 - 1 per month, last Wednesday of the month, 12:00 pm EDT
 - Take your feedback and questions about OLCF
 - Cover timely training about tools, HPC Methods or Hardware
- NVIDIA Hackathons -Several a year, need to apply
- Persistent DIY Tutorials: Git Repos, User Guides, Vimeo training Channel and Archives

Where to find New OLCF Training

- New Training

- <https://www.olcf.ornl.gov> Listed at the bottom of the page under "Upcoming events"
- The OLCF Training Calendar
<https://www.olcf.ornl.gov/for-users/training/training-calendar/>
- The weekly message
 - Mail Chimp
 - Arrives on Wednesdays

OLCF Weekly Update June 16, 2021

In This Message

- **Center Announcements**
 - 2022 INCITE Call for Proposals Closes Friday
- **Meetings and Workshops**
 - OLCF User Meeting (Jun 22-24)
 - CUDA Multithreading with Streams (Jul 16)
 - No June OLCF User Conference Call
 - 2021 GPU Hackathons
- **Upcoming Downtimes**
 - Summit, Andes, Spock, DTN, Alpine (Jun 22)
 - HPSS (Jun 29)

UPCOMING EVENTS

21 JUN	STUDENTS' HANDS-ON WITH SUMMIT ● Monday	EVENT DETAIL
22 JUN	2021 OLCF USER MEETING ● Tuesday	EVENT DETAIL
16 JUL	CUDA MULTITHREADING WITH STREAMS ● Friday	EVENT DETAIL

OLCF Training Archive

Past Training can be found in the OLCF training archive:

https://docs.olcf.ornl.gov/training/training_archive.html

- Slides
- Recordings are kept on the OLCF Vimeo Training Channel
 - <https://vimeo.com/olcf>
- Link to the event page
 - Often Contains exercises

OLCF Training Archive

The table below lists presentations given at previous OLCF training events. For a list of upcoming training events, please visit the [OLCF Training Calendar](#)

Date	Title	Speaker	Event	Presentation
2021-05-21	GPU Concurrency	Robert Searles (NVIDIA)	May 2021 OLCF User Conference Call	(slides recording)
2021-05-20	Spock System Architecture	Joe Glenski (HPE)	Spock Training	(slides recording)
2021-05-20	MI100 GPU	Nick Malaya (AMD)	Spock Training	(slides recording)
2021-05-20	Available Storage Areas & NVMe	Tom Papatheodore (OLCF)	Spock Training	(slides recording)
2021-05-20	State of HIP	Nick Malaya	Spock Training	(slides recording)

OLCF User Guides

There are lots of example scripts and tutorials embedded in our User Guides.

<https://docs.olcf.ornl.gov/systems/index.html>

Examples:

- New User Quick Start- its your guide to all our user guides with a few hands-on exercises to get your running on Summit.
 - <https://docs.olcf.ornl.gov/quickstart/index.html>
- *Slate* provides a container orchestration service for running user-managed persistent application services that do not fit into a batch job. Getting started tutorial and a few others.
 - https://docs.olcf.ornl.gov/services_and_applications/slate/guided_tutorial.html#guided-tutorial
- Job Step Viewer allows you to see graphical representation of your job layout. Tutorial : <https://jobstepviewer.olcf.ornl.gov>
- OLCF Tutorials
<https://github.com/olcf-tutorials>

Mark your Calendars for OLCF Training

- NVIDIA CUDA Training Series: CUDA Multithreading with Streams, July 16, OLCF and NERSC
 - Register: <https://www.olcf.ornl.gov/calendar/cuda-multithreading/>
- User Call: HPC SDK User Call, July 21
 - See: <https://www.olcf.ornl.gov/calendar/userconcall-jul2021/>
- NVIDIA CUDA Training Series : CUDA MPS August 17
 - <https://www.olcf.ornl.gov/calendar/cuda-multi-process-service/>
- Kokkos Workshop August 17 and 19th
 - Register: <https://www.olcf.ornl.gov/calendar/kokkos-training/>

July						
Su	Mo	Tu	We	Th	Fr	Sa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
1:●	9:●	17:○	23:○	31:○		

August						
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15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				
8:●	15:○	22:○	30:○			

Mark your Calendars for OLCF Training


- User Call : Blazing SQL, August 23
 - See: <https://www.olcf.ornl.gov/calendar/userconcall-aug2021/>
- Slate Workflow Training August 25, 26
 - (look for registration page soon)
- NVIDIA CUDA Training Series : CUDA GPU Debugging, September ,14
 - <https://www.olcf.ornl.gov/calendar/cuda-debugging/>
- Introduction to OpenMP Offloading, September 22,23
 - (look for registration page soon)

August						
Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
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September						
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26	27	28	29	30		
6:●	13:●	20:○	28:●			

Hackathons

<https://www.gpuhackathons.org>

- Hackathon's pair your team with a set of mentors with GPU programming expertise
- You work on your code to profile it and accelerate it on the GPUs
- You need to apply with your team, Application deadline are ~ 1.5 months before the event.
- OLCF users are invited to apply to any event with the OLCF Logo 
- OLCF Hackathon October 18,25-27, Application deadline August 18.