

Accelerating Growth

Via Technology Efficiencies



Community Day and Training Workshops October 2 – 5, 2023

The 10th annual HPCC Systems Community Summit will be held virtually on Monday October 2, 2023. Post-event ECL workshops will be offered on Tuesday, October 3 through Thursday, October 5 from 9am – 10am ET. The workshops will be split into three distinct virtual sessions taking place one hour each day. Be sure to participate!

Monday, October 2, 2023

| Time (EDT) | Topic |
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| 9:00AM – 10:20AM | WELCOME AND PLENARY KEYNOTES |
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Join us as Gavin Halliday, SVP and Head of Platform Engineering, LexisNexis® Risk Solutions, kicks off the 10th annual HPCC Systems Community Virtual Summit. We welcome our community keynote speakers Bill Franks, Director of the Center for Data Science and Analytics, Kennesaw State University, followed by Bahar Fardanian, Manager, Solutions Engineering, LexisNexis Risk Solutions, with an introduction to Gus Cawley, Chief Executive Officer, ZipApply, to discuss how his company uses HPCC Systems in industry. Gavin will conclude with a keynote on the latest HPCC Systems platform progress and developments before sharing key highlights of the day ahead.

TRANSITION BREAK

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| 10:30AM – 3:30PM | BREAKOUT SESSIONS |
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Choose from a number of breakout sessions across four different tracks.

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| Cloud Strategies with HPCC Systems | The latest techniques in optimizing the Cloud Native HPCC Systems platform |
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| Productivity with HPCC Systems | Leverage the improvements and innovative features in the latest HPCC Systems 9.x release |
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| Programming with HPCC Systems | Extend your ECL with powerful language tools |
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| HPCC Systems in Action | Real World Use Cases with HPCC Systems |
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| Time / Track | Cloud Strategies with HPCC Systems | Productivity with HPCC Systems | Programming with HPCC Systems | HPCC Systems in Action |
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| 10:30 AM - 11:20 AM | HPCC Systems Deployment using K3D instance - Aryaman Gautam, Sidharth Ganesan, Srinivasan Kothandam, LexisNexis Risk Solutions ITTC | Roxie Performance: A Deeper Technical Dive into 9.x - Gavin Halliday, LexisNexis Risk Solutions | Building a Scalable and Efficient Bitcoin Blockchain Parser on the HPCC Systems Platform, Jyothi Shetty, RVCE / Optimization of Learning Trees using ECL on HPCC Systems - Manonmani S & Sudershan K S, RVCE | An Understanding of HPCC Systems Platform Metrics - Ken Rowland, LexisNexis Risk Solutions |
| 11:30 AM - 12:20 PM | A Better Understanding of Thor and Roxie Configurations for the Containerized HPCC Systems Platform - Godji Fortil & Krishna Turlapathi, LexisNexis Risk Solutions | HPCC Systems Landing Zone Security - Russ Whitehead, LexisNexis Risk Solutions | Building Trustworthy and Auditable Digital Human Readers Superior to Humans with NLP++, David de Hilster & Ashton Williamson, LexisNexis Risk Solutions & Clemson University | Robots, Drones and Generative AI: Exploring cutting edge technologies with HPCC Systems in a school campus environment, Tai Donovan, Carlos Caceres, Nick Schwartz, American Heritage School |
| 12:30 PM - 1:15 PM | Awards Ceremony and Plenary | | | |
| Join us for the long-awaited announcement of the 2023 Community Awards and Poster Competition winners, followed by our afternoon keynote honoring our academic community and engagement. | | | | |
| 1:15 PM – 1:45 PM | View the Poster Displays and Expo Hall | | | |
| Take a break to browse through the poster presentations, visit the Expo Hall and connect with our HPCC Systems subject matter experts or network with other Summit attendees. | | | | |
| 1:45 PM - 2:35 PM | How to Enable Azure Log Analytics for the Containerized HPCC Systems Platform Using Terraform - Godji Fortil, LexisNexis Risk Solutions | ECL Watch: Redefining Progress - Kunal Aswani, LexisNexis Risk Solutions | Digital Human Readers Making History with NLP++ and HPCC Systems - Charvi Dave, Kruthika Pinnada, Pedro Rodrigues, Dheemonth Kodali, Shyamaa Karthik, David de Hilster LexisNexis Risk Solutions, RVCE, USP Brazil, St Andrews School | Tombolo - Open-source Tools for Interacting with HPCC Systems Clusters - Matt Fancher & Yadhap Dahal, LexisNexis Risk Solutions |
| 2:45 PM – 3:30 PM | Optimizing Business Solutions with Azure Fullstack Products - Mauricio Nunes and Matheus Machado, LexisNexis Risk Solutions | A Threat Detection and Mitigation Framework: HPCC Systems and Azure at the core - Sowmya Myneni, LexisNexis Risk Solutions | Parquet Support for ECL - Jack Del Vecchio, LexisNexis Risk Solutions | Vulnerable Victim Monitoring - Connecting the Dots to Find Missing Children Quickly - Pasqua Ruggiero, LexisNexis Risk Solutions |

Remote ECL Training Workshops October 3-5, 2023

The HPCC Systems Training and Support team has been very busy this year visiting universities and trade show events to promote HPCC Systems and ECL through Code Days, Hackathons, and Workshops. This year's Community Summit workshop presents an in-depth look at these events in three 1-hour sessions:

Prerequisites: No prerequisites needed for this event, but it would be helpful if the attendee have a basic understanding of HPCC Systems and ECL. We recommend that you complete our online [Introduction to ECL Courses \(Part 1 and 2\)](#) before attending.

During the summit week, a workshop cluster will be available with the sample datasets sprayed and ready to use. Code examples will also be available for download for you to examine and modify as needed. This is a virtual workshop event that will also be recorded for your convenience and repeat viewing.

Instructor: Bob Foreman, Software Engineering Lead, LexisNexis Risk Solutions, has worked with the HPCC Systems platform and ECL for over 12 years and has been a technical teacher for 30 years. He is the lead developer of the HPCC Systems Online Training Courses and is the Senior Instructor for all classroom and remote training.

Tuesday, October 3, 2023

Time (EDT)

Topic

9:00AM – 10:00AM

Part 1: The “Music is Life!” Workshop

Who doesn't love music? Take a break from your daily routine datasets and join us in this first hour. We break down a popular open-source music dataset, explore normalizing the dataset and its effects, and look at a variety of data evaluation and query techniques.

Wednesday, October 4, 2023

Time (EDT)

Topic

9:00AM – 10:00AM

Part 2: The “Find Your Paradise!” Hackathon

Have you ever thought about building an application that can help people find places to live that maximize their quality of life and happiness?

The goal of this challenge is to analyze different datasets across different categories and correlate them using the HPCC Systems platform. After analyzing, the participants will be asked to design an interface to query this data and assign it a scoring system, then deliver it to the user via ROXIE and show the user where they should most likely want to live. Users should be given choices in an easy-to-use form that when submitted will generate a unique set of scores based on locations.

Thursday, October 5, 2023

Time (EDT)

Topic

9:00AM – 10:00AM

Part 3: Better Customer Insights Through Relational Dataset Queries

In this final hour, we look at the power of the open data model, transforming normalized data into a denormalized relational dataset, and use the implicit relationality power to analyze relationships to provide better customer insights.