

New College of Florida

HPCC Systems Workshop

January 24-28, 9AM – 12PM

Overview

HPCC Systems is a distributed big data technology used by LexisNexis Risk Solutions (LNRS). It was, in fact, created by LNRS long before Hadoop came along, and it still serves as the core technology behind a \$3B/year business.

In this workshop you will be introduced to the HPCC Systems technology and to the data flow language used to program on it, ECL. The data you will be examining is a detailed global schedule of airline flights. Each record contains not only takeoff/landing places and times, but details regarding the plane, meals, and crew are included as well.

Agenda

All days

Three-hour workshop

There will be at least two 10–15 minutes break each day

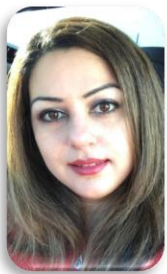
Day	Date	Agenda
Monday	01/24	Introduction to big data processing concepts (Using a deck of cards) Introduction to HPCC Systems Introduction to ECL IDE setup Data Discovery — getting acquainted with the flight data ECL hands-on
Tuesday	01/25	ECL concepts ECL hands-on
Wednesday	01/26	ECL concepts ECL hands-on
Thursday	01/27	Data Profiling ECL concepts ECL hands-on
Friday	01/28	ECL (cont'd) ECL hands-on Introducing final project

Presenters



Dan Camper

Dan is an Enterprise Architect in the Solutions Lab Group. He has worked for Apple as well as Dun & Bradstreet, and he ran his own custom programming shop for a decade. He's been writing software professionally for more than 40 years and has worked on a myriad of systems, using many different programming languages.



Bahareh Fardanian

Bahar is a Technology Evangelist with more than five years of extensive experience in Big Data, ETL and Data Science. Expert in design and develop scalable solutions using virtualized clustered technologies to address business needs from problem statement through solution delivery. She is currently involved in innovation to enhance an end user experience in HPCC Systems by building new cutting-edge tools, libraries, and training.

Student Pre-work (recommended, but optional)

Learn about ECL

Learn ECL: <https://hpccsystems-solutions-lab.github.io/>

HPCC Systems ECL Concepts videos

[HPCC Systems ECL Concepts Part 1](#)

[HPCC Systems ECL Concepts Part 2](#)

[HPCC Systems ECL Concepts Part 3](#)

[HPCC Systems ECL Concepts Part 4](#)

[HPCC Systems ECL Concepts Part 5](#)

[HPCC Systems ECL Concepts Part 6](#)