IBM Z Xplore Learning Platform

Mini code-a-thon

The IBM Z Xplore code-a-thon is a one-day event with hands-on, self-paced challenges designed to experience modern ways of working on a mainframe. Use today's common developer tools to create modern interfaces with current computer languages. Participant will create a web interface to a z/OS application and utilize data from IoT devices.

The code-a-thon has multiple challenges that progressively build on the concepts and code of previous challenges and a leadership board to showcase progress.

🕐 DURATION: One Day

ENVIRONMENT AND TOOLS
Work with open-source tools and languages, traditional JCL, Internet of Things, transaction processing, and web technologies. Python is the primary programming language.

CODE-A-THON ACCESS
Your IBM contact will provide you with a unique IBM Z Xplore link to access the code-a-thon.

SOFTWARE DOWNLOADS
- VS Code
- Node.js

RESOURCE LINKS
- IBM Z Xplore Overview Kit
- Information Page

If you do not have an IBM Contact, please email msiegel@ibm.com to get set up.

RECOMMENDED SKILLS

While not required, we recommend completing the following introductory challenges in the IBM Z Xplore Fundamentals channel.

- **VSC1**: Set up VS Code environment

- **Files1:** Learn about z/OS data sets: Partitioned, Sequential and Clustered

- **JCL1:** Introduction to "jobs" and providing link between program files and runtime data set assignments

- **USS:** Work with Unix environment, navigate directories and files, execute commands

- **Code** and **Wrap Up**: Introduction to Python programming and scripting, working with z/OS data sets and jobs through the **Z Open Automation Utilities** module