CA Plex/2E Communities

# Webcast in Session

**September 6th, 2023 10:00 CDT**

# Poll Question 1

- Are you using A.I. in your business?
  - A lot
  - A little
  - Researching
  - Not on the radar

# Poll Question 2

- If you are using or considering A.I., what would be the primary use case?
  - Customer service and support
  - Sales and marketing
  - Supply chain management
  - Fraud detection and prevention
  - Other

# Webinar Speakers

Roger Griffith,
User Community
President

PLEX2E.COM COMMUNITY
RACE TO THE FUTURE 2023

Mark O'Brien
CM First

PLEX2E.COM COMMUNITY
RACE TO THE FUTURE 2023

Abram Darnutzer
Laufer Group

LAUFER GROUP INTERNATIONAL

Kiyoshi Terasawa
CM First

cm FIRST
Rethink Modernization

Alexandre Lévis
Barreau Quebec

Barreau du Québec 175

# Agenda For Today's Webcast

- Emphasis on modernization topics
- Recap Last Conference
  - Summary of survey from 2023 conference
  - Best Session award winners from 2023 conference
  - Planning for 2024 conference in fall 2024
- Three Modernization lightning talks
  - Migration of 2E to Plex/Webclient, **Abram Darnutzer**– Laufer
  - COBOL to Java, **Kiyoshi Terasawa** – CM First
  - Migration of 2E to Plex/Webclient, **Alexandre Lévis**- Barreau Quebec
- Q&A and Survey at End

Reminder - Type your questions at any time into the Webinar console and we will answer at the end

# Summary of Survey From 2023 Conference

- **The Good**
  - On scale of 1 to 10 (with 10 being best) – Average score was **8.2**
  - Best Part of Conference
    - Venue
    - Learning new thing
    - Social experience (Happy Hour)
- **The bad (Virtual Experience)**
  - Connectivity Issues - Presenter not sharing screen
  - Disconnect between virtual audience and presenter (not taking questions)

Improvements Planned!

# Best Session Award Winners

- **Plex**

Plex Show and Tell (tied)

Abram Darnutzer
Darryl Millington

Plex Tips and Techniques (tied)

Abram Darnutzer
Roger Griffith
Borys Vulgarin

- **2E**

2E Tips and Techniques

Russell Berkeley

Eamonn Foley

Darryl Millington

Mark Schroeder

- **Technology**

European Tips and Success Stories

Paulo Ruvio
Surgio Mendes
Mirko Bonomi

- **Spanish**

Utilizando Firmas Digitales Con CA Plex

Ramon Castillo
Jose Antonio Andreu
Jorge Quincke

# Best Session Awards

# Planning For Fall 2024 Conference

- Location (Traditionally Austin)?
- Hybrid?
- Theme?
- Put your thoughts in the Survey at the end and/or email info@plex2e.com
    - As well as Topics For Next Webinar 4Q

# Modernization Themed Lightning Talks (3)

# Poll Question 3

- Which systems are you interested in modernizing
  - CA 2E/Plex based
  - Native IBM I Cobol, RPG, or other 3GL
  - Microsoft: Visual Basic, Delphi, or other 3GL
  - Other
  - Not on the radar

# Abram Darnutzer
# Laufer Group

Taking a Large 2E application to a pure Java application step-by-step and eliminating the green screen. His talk will include converting 2E DDS Reports to modern JS reporting, and simplifying the code base.

LAUFER GROUP INTERNATIONAL

# Lightning Talk #2 – Transformation COBOL to Java

Kiyoshi Terasawa
CM First

cm FIRST
Rethink Modernization

# CM evolveIT
## COBOL to Java

09/06/23

cm FIRST
Rethink Modernization

# COBOL TO MAINTAINABLE JAVA?

# Introducing CM evolveIT MetaTX+

cm FIRST

# Transfer

Code Viewer

MSDEXFRX

Data Information

Name: MSDEXFRX

Description:

Original CA 2E generated Cobol

Transfered Java

Note

original.src

```
 ****************************************************************
H/TITLE EXT Sample for Export     Execute external functio
Z* CRTCBLPGM
Z* OPTION(*SRCDBG) CVTOPT(*DATETIME)
 *
H* SYNOPSIS :
H*  Perform user function
H*  As defined by action diagram
H* Generated by CA 2E release 8.7.3 (1670)
H* Function type : Execute external function  Version:  8.7.
 *
H* Company    : Mark S Working Model
H* System     : Mark S Working Model
H* User name  : MSCHROEDER
H* Date       : 08/28/23 time: 18:28:13
H* Copyright  : Mark S Working Model
 *
 *===============================================================
M* MAINTENANCE   :
 *===============================================================
  IDENTIFICATION DIVISION.
  PROGRAM-ID.  MSDEXFRX.
 /EJECT
 ****************************************************************
 ****************************************************************
  DATA DIVISION.
  FILE SECTION.
 *
 /EJECT
 ****************************************************************
  WORKING-STORAGE SECTION.

 *
  77  C-IND-OFF PIC X(1) VALUE '0'.
  77  C-IND-ON PIC X(1) VALUE '1'.
  77  W0STRNG PIC X(32766).
 *
  01  FILE-STATUS PIC X(2).
     88  C-IO-OK VALUE '00'.
```

MSDEXFRX.java

```
// Generated by COBOL2Java Version 1.3.20230409 (+)
// Translated: 2023-08-29 15:14:50
package Application;

import com.semanticdesigns.cobol2java.* ;

// ****************************************************************
// /title ext sample for export     execute external functio
// * crtcblpgm
// * option(*srcdbg) cvtopt(*datetime)
// *
// * synopsis :
// *  perform user function
// *  as defined by action diagram
// * generated by ca 2e release 8.7.3 (1670)
// * function type : execute external function  version:  8.7.
// *
// * company    : mark s working model
// * system     : mark s working model
// * user name  : mschroeder
// * date       : 08/28/23 time: 18:28:13
// * copyright  : mark s working model
// *
// *===============================================================
// * maintenance   :
// *===============================================================
// /eject
// ****************************************************************
// ****************************************************************
public class Msdexfrx {
  public char cIndOff = '0';

  public char cIndOn = '1';

  public String w0strng = "";

  // *
  public static class FileStatusTType extends Fields.String.Left.Plain.Ordinary {
    public FileStatusTType() {
```

# Modeling

API Browser
Add
Edit
Delete
Name
Actions
APIMain - http://localhost:8080
OrderController - "Type": "APIController",...
MSDEXFRX - "HttpVerb": "POST", "Pat...
MSDEXFRX -
API/Asset Detail
Direction:
Forward
Depth:
Full
More ...
Call Graph
Statistics Information
Name:
APIMain
Description:
http://localhost:8080
Application Program (1)
API Interface (2)
Actions
Name
Descr...
Lang...
Diffic...
Volume
Length
Effort
Time ...
Oper...
Oper...
Oper...
Graph Viewer
APIMain
Graph Mode
Show Hidden items
Horizontal
Forward
Full
Layout
Export
Merge Graphs
Search..
Node List
API
http://localhost:8080
APIMain
API
"Type": "APIController", "Path": "Order"
OrderController
API
"HttpVerb": "POST", "Path": "MSDEXFRX"
MSDEXFRX
PGM
MSDEXFRX

# Run

Execute | Clear

**Responses**

Response content type: */*

**Curl**

```
curl -X POST "http://localhost:8080/order/msdexfrx" -H "accept: */*" -H "Content-Type: application/json" -d '{ \"amount\": 5, \"product_id\": \"product 1\", \"quantity\": 5}"
```

**Request URL**

```
http://localhost:8080/order/msdexfrx
```

**Server response**

| Code | Details |
|---|---|
| 200 | |

**Response body**

```
{
  "rtn": null,
  "total": 25,
  "is_discount_applied": "N"
}
```

Download

**Response headers**

```
connection: keep-alive
content-type: application/json
date: Thu, 31 Aug 2023 15:01:23 GMT
keep-alive: timeout=60
transfer-encoding: chunked
```

Activate Windows
Go to Settings to activate Windows.

# Alexandre Lévis
# Barreau Quebec

A recap of their project to modernize a CA 2E RPG application to a rich, browser-based application.

# Poll Question #4 M.I.N.T

This Photo by Unknown Author is licensed under CC BY-NC

# Questions / Answers