NewEra Software Expands the Use and Benefits of the Image Control Environment (ICE)
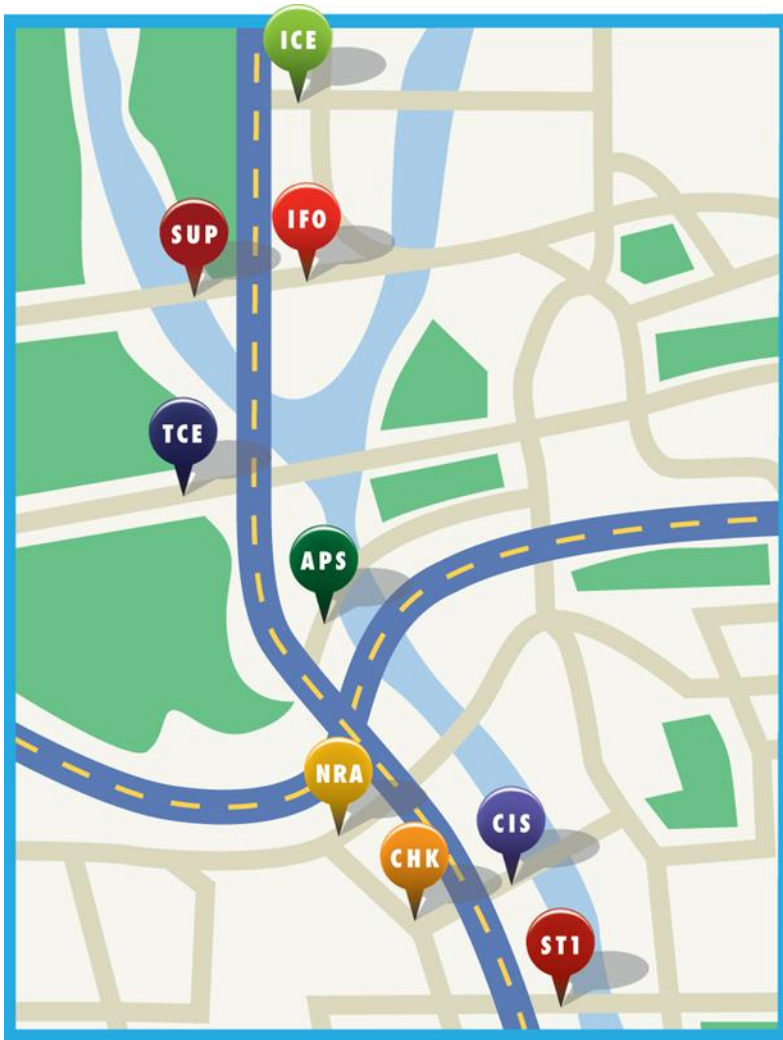
Glennon Bagsby
NewEra Software, Inc.

Wednesday August 10 4:30 PM
Session Number 10115

Agenda

- NewEra Software Product Road Map

- Update on New Enhancements and Products

- What TOOLS we provide at NO COST

- Publications we have commissioned and have made available at NO COST.

NewEra Software Product Road Map

This NewEra Software Product Road Map is a guide that will assist you in planning, implementing and exploiting the Image Control Environment (ICE).

NewEra Software Product Road Map
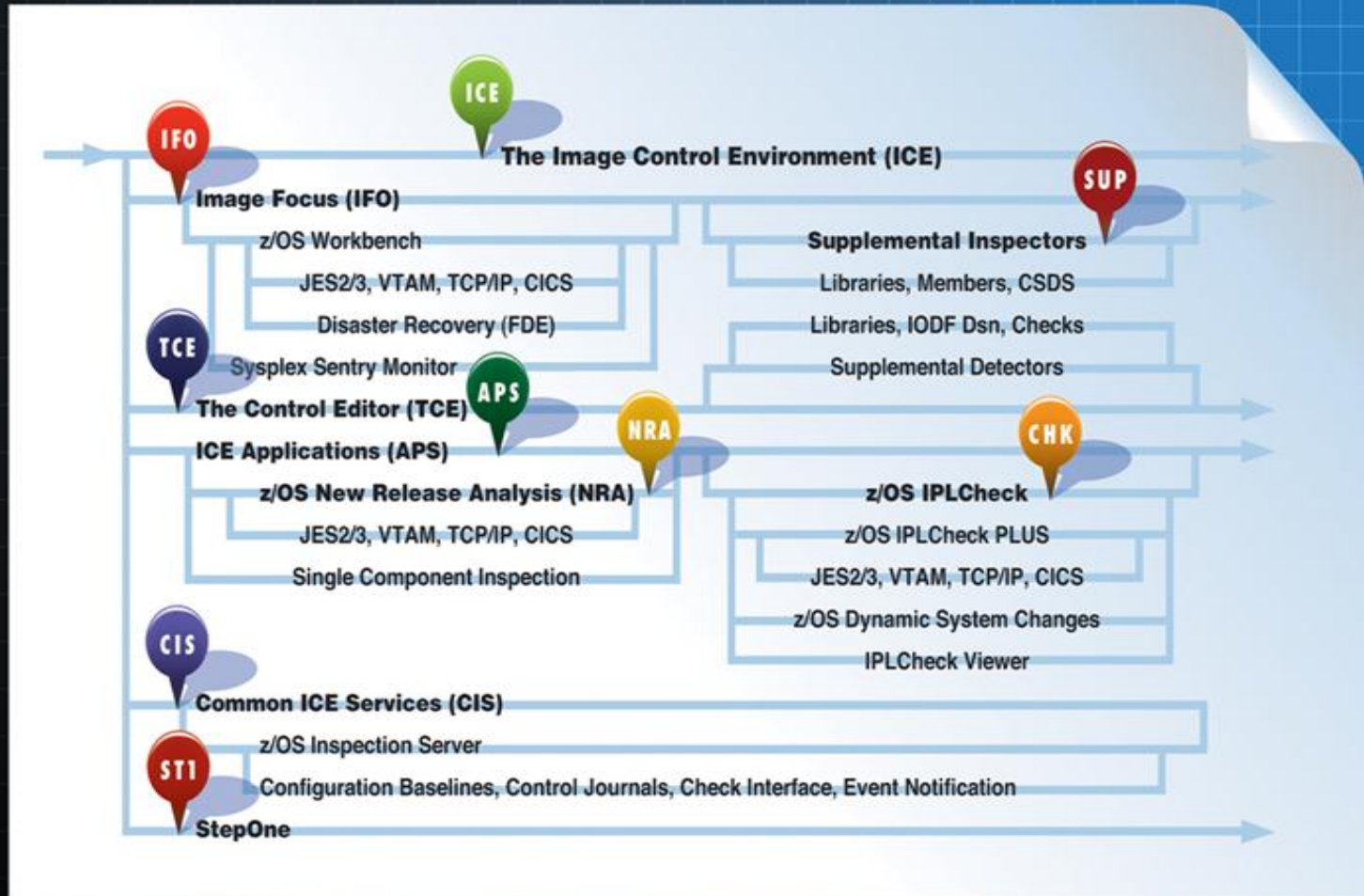
NewEra Software Product Road Map

The Image Control Environment (ICE)

Originally designed to satisfy the most demanding Disaster Recovery (DR) requirements, ICE has evolved into a working destination for z/OS system professionals worldwide.

A new generation of users has begun to recognize ICE for its ability to enhance their individual and team productivity.

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The Image Focus (IFO)

IFO is an integrated tool set that provides its users with access to z/OS Core functionality via its z/OS Workbench, Sysplex Sentry Monitor and Disaster Recovery View.

The Subsystem Inspectors, Fast DASD Erase and/or the Supplemental Inspectors can optionally be added.

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z/OS Workbench – **Integrated**

Single Image Inspection

New Release Analysis

Dynamic Change Analysis

Component Inspection

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Sysplex Sentry Monitor - **Integrated**

Monitoring of one or more defined z/OS Sysplexes

Detecting Changes

Send Change notification messages

Inspection Results for each Image and the Sysplex configuration.

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Disaster Recovery View **– Integrated**

Access to ISPF without
JES, VTAM or TSO

Full Inspection capabilities

Dynamic Change Analysis

Component Inspection

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JES2/3, VTAM, TCP/IP, CICS –
Optional

Full Inspection capabilities

Integrated in the Image and
Sysplex Monitor Inspections

Component Inspection

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Disaster Recovery – Fast DASD Erase – Optional

Similar to Stand Alone Environment's ERASE

Erases User Data completely and *FAST*

Creates complete Audit reports

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The Supplemental Inspectors – **Optional**

Add Depth to the z/OS Core and Subsystem Inspection Processes
- Load Libraries
- Partitioned Datasets
- CICS Configuration
        Datasets(CSDS)

Includes Supplemental Detectors.

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- What do our users think about Destination: Image FOCUS?

    - In Cheryl Watson's Tuning Letter (2011 No.3), Ms. Watson cited Image FOCUS as it was mentioned in Frank Kyne's session at SHARE in Anaheim on IPL Avoidance.

        - "**Before including this software product in the Tuning Letter, we queried the IBM-Main list to find out about the product. Out of twenty replies (online and offline), all twenty said it was a great product.**"

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The Control Editor (TCE)

TCE represents the next step in the evolution of z/OS Change Management by offering real-time control and reporting that allows you to focus its oversight capabilities on specific system components and system actions.

TCE fully documents all changes to System Controlled Elements, telling you what was actually changed and by whom in real time.

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One way to envision the primary functions of TCE is to think of it as a "Listener" on a z/OS subsystem interface that allows it to "Hear" all "Events", recording them in its Control Journal

TCE significantly enhances the level of security and event documentation provided by the External Security Manager (ESM).

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- What do our users think about Destination: The Control Editor?

    - From Customer comments on IBM-Main:

    "I like receiving automated email telling me what was changed and what is incorrect in PARMLIB the day the mistake is made, rather than waiting to find out three weeks later when the system doesn't IPL. "

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The Supplemental Detectors - Optional

ICE Supplemental Detectors extend the scope of change detection offered by The Control Editor to include:
- named Load Libraries
- named IODF Datasets
- the state/status of the IBM Health Checker for z/OS on named systems.

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ICE Applications (APS)

Certain ICE functions, included by design, within the Image FOCUS product offering are also available as stand alone ICE Applications.

This is especially true for those that are currently using or plan to exploit the IBM Health Checker for z/OS or in need of assistance as they migrate from an older release of z/OS to any other new z/OS release level.

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z/OS New Release Analysis (NRA)

z/OS New Release Analysis (NRA) can accurately simulate the operational environment of every available release of z/OS.

You won't have to install a new release of z/OS before you begin your migration project. Begin when you like, on your schedule, when time is available.

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- What do our users think about Destination: New Release Analysis?

  - From Customer comments on IBM-Main:

    "It's also great for installing a new version of z/OS. For example, if you're running z/OS v1r11, you can run a check as if you were z/OS v1r12, and it will flag up changes you may need to make. "

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z/OS IPLCheck

Works exclusively under the control of the IBM Health Checker for z/OS, automatically discovering and processing the starting PARMs of each active 'Production System' to which it is assigned.

The z/OS IPLCheck Inspection Server does the rest of the work.

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z/OS IPLCheck-Plus

IPLCheck-Plus users may define alternate IPLPARM and PARMLIB datasets.

IPLCheck Plus runs in its own Address Space as a 'Remote Check'.

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z/OS IPLCheck-JES,VTAM.TCP/IP,CICS

These Subsystem Checks - JES2/3, VTAM, TCP/IP, and CICS - operate totally under the control of the IBM Health Checker for z/OS.

The Subsystem Checks may be licensed individually.

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z/OS IPLCheck-Dynamic Changes

Dynamic Changes in the LPALST, LNKLST, APFLST and SYMLST

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z/OS IPLCheck-Viewer

The IPLCheck Viewer is an aid in accessing IPLCheck and Health Checker reports for all systems within a defined environment.

IPLCheck Viewer automatically consolidates all IPLCheck and Health Checker reports from multiply images into a single focal point from which users can explore the state of their z/OS SYSPLEX.

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Common ICE Services (CIS)

z/OS Inspection Server

Configuration Baselines

Control Journals

The ICE IBM Health Check for z/OS Interface

Event Notification

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StepOne

An zEnterprise-based application that unlocks the content of certain key z/OS System Datasets (IPLPARM, PARMLIB, IODF).

Designed to enhance the System Review Process initiated by System Auditors and Consultants that conduct them.
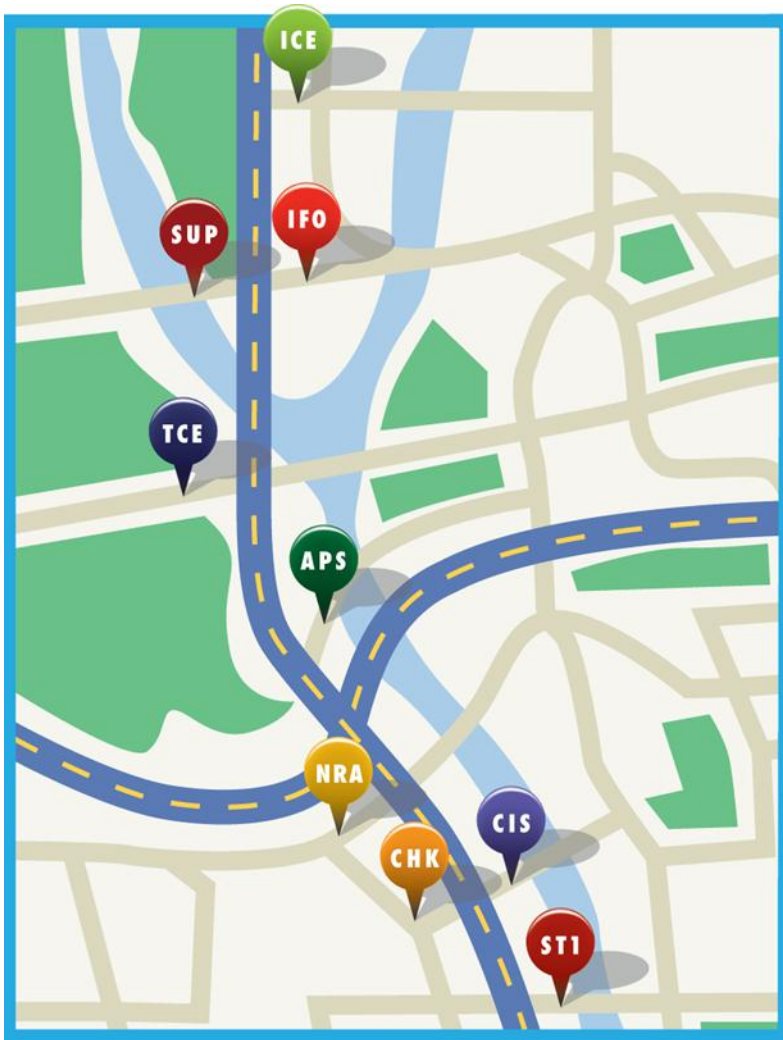
NewEra Software Product Road Map

- What do our users think about Destination:

    Image Control Environment?

  - From customer comments on IBM-Main:

    "ICE has been in my shop for a quite awhile. It is quite different from Health Checker. They do different things. I agree with the comments you quoted from the other poster. The release aware virtual IPL is terrific, a real red-face (and time) saver. NewEra has been very good to work with as well."

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NewEra Software Update on New Enhancements and Products

ICE Overview – What's New?

What's New in ICE ?

TCE- Primary Menu - Direct Access to Member Restore

Notification - Embedded Member Changes

Operational - Descriptor Interval Controls

Detection - Interface to ICE Supplemental

RAS - Numerous small enhancements – SETSMF, Batch Reports

NewEra Software Update on New Enhancements and Products

ICE Overview – What's Next?

What's Next ?

Sequential Datasets

Records up to 256 characters

Support for OEDIT/UNIX Files

Web Services Interface

Longer-Term: Shared Journals

Support for z/OS 1.13

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What TOOLS we provide at NO COST

z/OS IPLCheck

StepOne

NewEra Software
Publications we have commissioned and have made available at NO COST.

- Available by Request from NewEra Software, Inc.
  - info@newera.com

CICS Essentials
- *Auditing CICS – A Beginner's Guide*

z/Auditing Essentials VOLUME 1
- *zEnterprise Hardware - An Introduction for Auditors*

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Thank You!

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