

NewEra Software, Inc.

support@newera.com

www.newera.com

Integrity Controls Environment (ICE) Unique Tools from NewEra Software, Inc.

ICEDIRECT

ICEDirect is a web-based application platform that uses a secure TCP/IP connection between its z/OS resident webserver and an internet browser to access and visualize the Integrity Controls Environment (ICE) information for analysis and administration of Image FOCUS (IFO) and The Control Editor (TCE).

ICEDirect also supports additional optional applications, z/OS Visual and RACF Visual. They exploit this unique z/OS to Browser platform by presenting traditional 3270 information and administration tools in a modern visual form that results in a more productive interactive user experience and provides a deeper understanding of complex z/OS and RACF controls.

z/OS Visual provides the ability to analyze and manage key z/OS functions such as the IODF and the z/OS Heath Checker from a modern interface. MVS commands can be selected and entered directly from the browser is assist in the management and problem detection of any z/OS LPAR configuration.

The RACF Visual application provides for inspection and administration of key RACF controls with interfaces into SETROPTS for providing a web-based command access for managing users profile and class definitions. It also provides an application, Certificate Intelligence, for the inspection and management of Certifications and RINGS. It also provides a RACF log of change activity for audit and compliance reporting.

ICEDirect can be used as a web application with security of the user established by the security rights established based upon the z/OS security profile for the user. It can also be an application run under the control of z/OSMF for increased security and control.

SUMMARY

The Integrity Controls Environment (ICE) from NewEra Software provides capabilities not available in any other software products from any other source.

Image FOCUS provides for:

- · Inspection and risk analysis of any IPL and start up configuration
- Validation in all logic including symbols, variables, parameters, etc. and impact of any changes static & dynamic - across all defined Members, LPARs, SYSPLEXes
- Change detection of the configuration elements and inspection results
- · Testing and simulation functions to reduce the risk of failures or loss of service
- · Optimal Operational integrity and Readiness

The Control Editor provides for:

- · Extended and Improved access rights controls
- · Enforcement of standards for change activity
- Backup of changes
- · Enforcement of documentation requirements
- · Immediate notification of events
- · Audit compliance for recording changes to critical resources
- A method to create a ZERO TRUST Architecture, or enforcement of organization standards

ICEDirect provides for:

An easy-to-use modern interface into the data space for ICE and other applications.

ICE DIRECT ACCESS POINT

Welcome to z/OS	
The highly secure, scalable and resilient enterprise operating system for the IBM z Systems mainframe.	ICE Direct
z/OS USER ID	MFI Authentication
	Token Material
z/OS PASSWORD	IEIP
	ICE PassTicket
LOG IN	Authenticate
	Autrenicate
Securing the Browser	

ICE DIRECT MAKES ANALYSIS GRAPHICAL AND EASY

ICEBATA Source Inspection Log Worksheet - 5 WksRows

Update the Worksheet

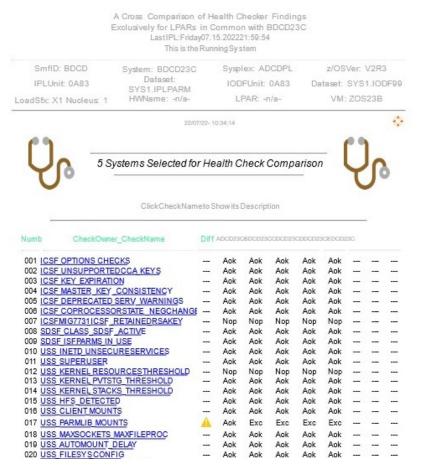
ICEBATA



Packs Chk Chk Snaps GASP 📀 Row Launch Finding IPLPath **ICEBATA** Inspection Logs IFO.IFOB.ICEBATA.ADCD23C.LOG Err 01 Inspection Date:22/03/09 and Time:09:39:21 IFO.IFOB.ICEBATA.BDCD23C.LOG Err 02 Inspection Date:22/06/13 and Time:11:00:49 IFO.IFOB.ICEBATA.CDCD23C.LOG Err 03 Inspection Date:22/03/09 and Time:09:39:21 IFO.IFOD.ICEBATA.DDCD23C.LOG Err 04 Inspection Date:21/05/06 and Time:11:19:24 IFO.IFOE.ICEBATA.EDCD23C.LOG Err 05 Inspection Date:21/05/06 and Time:11:19:24 Show LPAR Analytics Show LPAR XCompare

Bill, With this we can see all the LPQRs to ensure there are no problems instead of looking at each individually. The Snapshot will show us any changes detected. TH

z/OS VISUAL FROM ICE DIRECT



Kathy, This should be helpful to our help desk and system programmers to see the entire SYSPLEX at a glance.

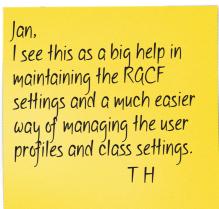
ΤH

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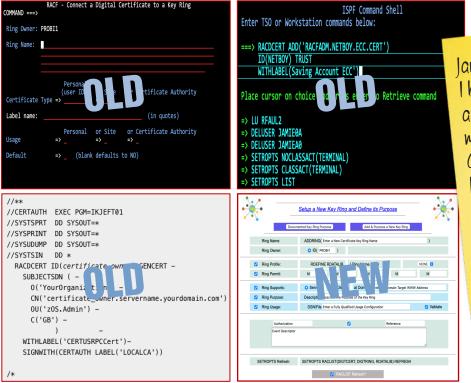
RACF VISUAL - ANALYZING THE RACF DATABASE

RACF Operations: Yes	F Special: Yes Operations: Yes Last IPL:Friday 07.15.2022 21:59:54 This is the Running System		ase:7791 RACF Auditor: Yes RACF ROAuditor:
SmflD: BDCD IPLUnit: 0A83 LoadSfx: X1 Nucleus: 1	System: BDCD23C Dataset: SYS1.IPLPARM HWName: -n/a-	Sysplex: ADCDPL IODFUnit: 0A83 LPAR: -n/a-	z/OSVer: V2R3 Dataset: SYS1.IODF99 VM: ZOS23B
SYS1.RACFDS	None Found <i>Db Profile</i> 22/07/22 - 14.27 19		None Found
Db Name			Db UACC
SE SE	TROPTS Class Definitio 6 Profiles in Select		ution
	APPL Class - Controls	access to applications	K
Ruk	e and/or Policy Control Gro	oups	Event Logging
Row Stats Active Gen	Pfl GenCmd GenLst GblChk SR	acLstGbIRLst Audit Alway	ys Never SuccessFailure Defa
01 Yes Ye	s Yes Yes		
		Yes roup Distribution	Ye
	UserIds with access to	roup Distribution	Ye
	UserIds with access to	APPL Class Profiles	Ye
Row Name 01 Name 02	Update the Go UserIds with access to Indicates C Name 03 Name 04 Name 05 FZADMGP CFZSRV CFZUSRGP	Name 06 Name 07 Name	
Row Name 01 Name 02 01 * ADCDMST C	Update the Go UserIds with access to Indicates C Name 03 Name 04 Name 05 FZADMGP CFZSRV CFZUSRGP	APPL Class Profiles Orphan UserId Name 06 Name 07 IBMUSER	ne 08 Name 09 Name 10
Row Name 01 Name 02 1 01 * ADCDMST C	UserIds with access to Indicates C Name 03 Name 04 Name 05 FZADMGP CFZSRV CFZUSRGP OSMFAD ZOSUGST Discrete APPL	APPL Class Profiles Orphan UserId Name 06 Name 07 IBMUSER	ne 08 Name 09 Name 10 SUEST IZUSECAD IZUUSER

BLZAPPL



CERTIFICATE INTELLIGENCE - OLD VS. NEW



Jan and MJ, I believe this will save us time and effort for adding new and managing our Certificates on z/OS. Also, with the inspection of the RACF database, I think we can answer the finding from the last external audit about having both orphaned USERIDs and expired Certificates. T H

ADCDMST

READ

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