



The Image FOCUS Control Environment

The Image FOCUS Core

- OS Inspector
- Release Analysis
- Dynamic Element Inspector
- System Component Inspector
- z/OS Change Detection

Image FOCUS Applications

(Separately licensed)

• The Subsystem Inspectors

- JES2 – JES3
- VTAM
- TCP/IP
(Profile, Data, Resolver, FTP, SMTP, Telnet)

• The Supplemental Inspectors

- ISNMBS – Data Sets
- ISNLOAD – Load Modules
- ISNPLCY – z/OS Policies

• The Control Editor

- Image SENTRY
- IODF Explorer

The Stand Alone Environment

- SAE
- Fast DASD Erase

- Fast DASD Erase for z/OS

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The Image FOCUS Control Environment

The Image FOCUS Control Environment helps control four areas of z/OS System management:

1. z/OS software (OS & Subsystems)
2. Security (RACE, CA-ACF2, CA-TSS)
3. Health (The IBM Health Checker for z/OS)
4. Hardware (IODF: IOCP/OSCP/SWCP)

It detects risks to the integrity of the system, points of failure, and changes. It documents and reports its findings.

Image FOCUS is the industry standard for business continuity in z/OS data centers. It is a unique system management application that systematically identifies, locates, inspects and processes the thousands of critical parameters that

define z/OS images. It supports real-time change control and management (including validating changes detected) by monitoring and reporting on events that would result in a loss of service, up to and including an IPL failure.

Image FOCUS “blueprints” the system automatically as Sysplexes and Images are tested and documented. User-defined reports are automatically sent following an Inspection.

The Image FOCUS Control Environment consists of an Operating System Inspector, a Dynamic Element Inspector, a System Component Inspector, Release Analysis capabilities, Blueprinting and z/OS configuration change detection.

The Control Editor

The Control Editor extends the Image FOCUS Control Environment and, in doing so, provides Image FOCUS users an ISPF platform from which they can both control and manage access and changes to critical datasets. It leverages the existing Inspection and surveillance functions of Image FOCUS into an ISPF editing environment that both improves productivity and enforces policy. Non-prevailing configuration components are identified to The Control Editor, which works with the installed security product (RACE, CA-ACF2, CA-TSS) to detect and report on the following types of transactions:

1. Violations – Changes that occur outside the Control Editor environment;
2. Updates – A normal edit using The Control Editor;
3. Restores – A member restored using the Control Editor;
4. Backups – Startup or incremental backups.

Changes are detected, reports generated and sent to those with a need to know. If a change is made outside of The Control Editor environment, notice is sent indicating a violation has occurred. All activity is stored in a Control Journal. User-supplied “Control Comments” are added by the user and become part of the inline documentation of a Control Editor transaction. Meta Information – who, what, when, where – is stored in the Control Journal as well as a copy of the affected member. These stored members serve as real-time backups and are available for restore purposes. When compared one to the next, they provide an accurate detail record of the exact form of a given change transaction.

The Control Editor will:

1. Leverage and enforce existing dataset security profiles;
2. Automate the backup of controlled datasets and members;
3. Enforce organizational change policy without limiting access;
4. Automate the documentation of member changes;

5. Capture user-provided inline change documentation;
6. Maintain complete and up-to-date change histories;
7. Provide notification of and report on change events;
8. Answer the questions – Who? What? When? Where? and Why?

The Control Editor TSO/ISPF Version

The main benefit in using The Control Editor is its ability to track configuration changes transparently. Users do their job as if they were performing a normal editing routine using ISPE.

NewEra Software now provides a TSO/ISPF version of The Control Editor. This premier change control product provides a new level of protection for critical datasets that are either automatically discovered during the Image FOCUS Inspection process, or have been identified a critical and in need of control as determined by the Image FOCUS Administrator.

This additional protection exceeds any capabilities provided by the site's security system by providing automatic backup of all members in these critical, now controlled, datasets. As edits or updates are made to the members within these controlled datasets, backups are automatically being made and the documentation of the change can be enforced using a documentation feature embedded within The Control Editor.

This new adaptation of The Control Editor provides all the services of prior releases of The Control Editor and will also provide those services if a user accesses a controlled dataset from any EDIT path, including TSO/ISPE.

Users will be able to access datasets for change or updates in two ways – either by going into an Image FOCUS panel or, after being set up by the Image FOCUS Administrator, via an automatic intercept that will place users into The Control Editor transparently if they use TSO/ISPE.

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