



**Implementing z/OS UNIX?  
Do you want to know  
'What's Changed' in HFS/zFS?**

## **ussACTION Summary**

**ussACTION** delivers the same superior functionality as eventACTION for Hierarchical File System (HFS) and zSeries File System (zFS) files under the OS/390 and z/OS UNIX System Services (USS) system environment.

It looks similar to eventACTION, except that dataset and member are replaced by directory and file name.

**ussACTION** includes automatic tracking, control, compare, reporting, and backup/restore of HFS & zFS files under UNIX System Services.

**ussACTION** provides the following functions in the OS/390 & z/OS UNIX environment:

- Automatic change and reference tracking for USS directories and files
- Specify change tracking and control options down to the file level
- Automatic backup of changed files
- Back out changes with minimal effort
- Create and approve Change Requests
- Side by side compare facility for comparing USS files and backups of files
- Reference tracking at the Directory and file level
- Batch report of change tracking statistics for USS directories and files
- Online reporting of change tracking statistics for USS directories and files
- Template support for selection criteria to be used with batch and online reporting

**ussACTION** is a separately chargeable product that has been available and included with eventACTION since version 6.05 (October 2001).

Contact Action Software at 905.470.7113, to start your free trial period for **ussACTION**.

# Introduction to **ussACTION**

**ussACTION** is a product that provides similar functions for Unix System Services (USS) that eventACTION provides for the z/OS MVS environment.

This version of **ussACTION** provides the following functions:

- Automatic change and reference tracking for USS directories and files
- Specify change tracking and control options down to the file level
- Automatic backup of changed files
- Back out changes with minimal effort
- Create and approve Change Requests
- Batch Interface to Change Requests
- Side by side compare facility for comparing USS files and backups of files
- Reference tracking at the Directory and file level
- Batch report of change tracking statistics for USS directories and files
- Online reporting of change tracking statistics for USS directories and files
- Template support for selection criteria to be used with batch and online reporting
- Determine change tracking options defined for any USS directory and file

Other functions will be added as they become available.

## **ussACTION Installation Process and Notes**

- Install eventACTION as per the regular eventACTION installation procedures.
- In order to allow eventACTION and **ussACTION** to access USS services, an OMVS segment must be added to the security userid for eventACTION.
- For backup purposes or if the CRC option for change stats is selected, the USS UID or GID assigned to eventACTION must also be allowed read and search access to the USS directories and files defined to **ussACTION**.
- **ussACTION** installs a SAF exit IRRSXT00. In order for this exit to be called to track HFS file read/write accesses, the RACF BPX.SAFFASTPATH facility class must be disabled.
- **The OIDs to be used for defining USS directories & files must be assigned to the main eventACTION database. (DbName=MAIN on the Owner/Resource IDS panel)**
- **ussACTION** support has been added to handle 64 bit callers for USS callable services (OPEN, CLOSE, CHMOD, CHOWN, UNLINK).
- It should be noted that the following commands are not supported in **ussACTION** Change Requests: **Q**, **TQ**, **Temp**, **JNEW**, **UFSEL**, and **BP**.
- With eventACTION / **ussACTION** V709 and above, the Batch Interface to Change Request is available for **ussACTION** Change Requests. Refer to the chapter in the eventACTION User Guide for details about this interface.

# Start Up Procedures for ussACTION

By default, the **ussACTION** system hook is not activated when eventACTION is started.

In order to activate the **ussACTION** system interface, eventACTION must be started with the following parameter:

```
S MZCA , PARM=USS
```

This parameter must be specified on all subsequent restarts of eventACTION. In fact, if eventACTION is restarted without 'PARM=USS', the previously installed **ussACTION** hook will be uninstalled.

Users may want to make a permanent change to their start up procedure for eventACTION with PARM=USS, once they are satisfied with the preliminary results and would like to activate **ussACTION** on all subsequent restarts.

## Invoke ussACTION from eventACTION

**ussACTION** is currently only available to run with eventACTION. To invoke **ussACTION** enter the primary command **USS** on the eventACTION primary panel. The following panel will be displayed:

```
ussACTION 7.09 ----- USS Primary Panel -----
SELECT OPTION ==> _
                                     2010.036  2010/02/05 13:44

=> . D   Directory/File Changes
=> . O   Directory/File Options

=> . COMP Directory/File Compare

=> . C   Change Requests
=> . A   Change Request Authorization

=> . RT  Reference Tracking by Directory name
=> . RTF Reference Tracking by Filename
=> . EX  Excludes

=> . R   Reports
=> . SCT Selection Templates
=> . EXT External Logging

=> . OPTS Test Path Options

Action Software International (905) 470-7113 www.actionsoftware.com
Email = support@actionsoftware.com

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```

Figure 1 ussACTION Primary panel

There are extensive Help Panels for all of the USS Primary Panel options.

# **ussACTION Primary Panel Options**

## ***Option D - Directory/File Changes***

This panel displays the directories that are defined to **ussACTION**, and have been changed.

## ***Option O - Directory/File Options***

This panel displays the directories that are defined to **ussACTION**. Only directories which match one of the defined entries will be managed by **ussACTION**. Authorized users can alter these options at a directory and/or file level.

## ***Option COMP – Directory/File Compare***

The USS file compare utility provides the capability to compare two USS files, whether live disk files or backup copies. The utility supports all file types that **ussACTION** and **eventACTION** supports for backing up changes.

## ***Option C – Change Requests***

This panel provides the **ussACTION** Change Request process.

## ***Option A – Change Request Authorization***

This panel provides a list of Change Requests that require authorization.

## ***Option RT - Reference Tracking***

Use RT to define directories for reference tracking or to view references to previously defined directories.

## ***Option RTF - Reference Tracking by Filename***

The Reference Tracking by Filename component (RTF) tracks references to defined files under any directory.

## ***Option EX - Excludes***

This panel provides the **ussACTION** Excludes Feature.

## ***Option R - Reports***

This panel provides the **ussACTION** Reporting feature.

## ***Option SCT – Selection Templates***

This panel provides the **ussACTION** Selection Template feature.

## ***Option EXT - External Logging***

This panel provides access to all the logged control events recorded by **ussACTION**.

## ***Option OPTS – Test Options***

This panel displays under which OID and Directory Option a particular directory/file combination falls.