
Chicago Interface Group, Inc.

Adhoc Reporter Functional Overview

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Adhoc Reporter

So much data, so little time . . .

In a typical development and production control environment, the massive amounts of raw data can be overwhelming. Users need to extract select information from this raw data to make everyday decisions and to put controls in place. For CA-Endevor users, the product's standard reports add to, rather than solve, the problem. Although Endevor's standard reports must serve many purposes, they are very limited and rigidly structured: they often require substantial post-processing or the scanning of large amounts of data to isolate the essential information.

A Clear Path

The solution for Endevor users is the Adhoc Reporter, a product offering from Chicago Interface Group. Users can build customized reports that allow them to control the fields, the sort order, and the amount of data to be reported. Thus, the user can selectively find the key data required to make both business and technical decisions. Whether the requirement is managerial statistics, production control turnover, or debugging, the Adhoc Reporter provides the user with an easy and concise way to ask questions and get answers.

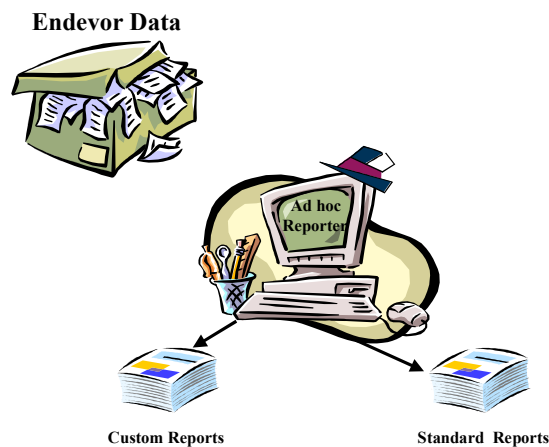


Figure 1. Adhoc Reporter

Accessing the Data

Gaining access to data is one of the first steps in making business and technical decisions. The data must be as current as the target application requires, and in the right format and correct location. Endeavor has a standard facility for extracting data from either the MCF (Master Control File) or the Package File. This facility provides an extraction utility and standard layouts based on inventory locations. This data is outputted to standard sequential files for later processing. But, getting the data is only the first step, knowing what to do with it is the second.

Using the Data to Solve Business and Technical Problems

Each type of user will have a different set of requirements. Managers may want compile statistics, Endeavor administrators may want processor group or system reports, and production controllers may want scheduling information. Regardless of the type of user or the type of information they need, the Adhoc Reporter will empower users to get data quickly, in the format that they want. Through the ISPF front-end, users define report content, sort order, field order, and filter values.

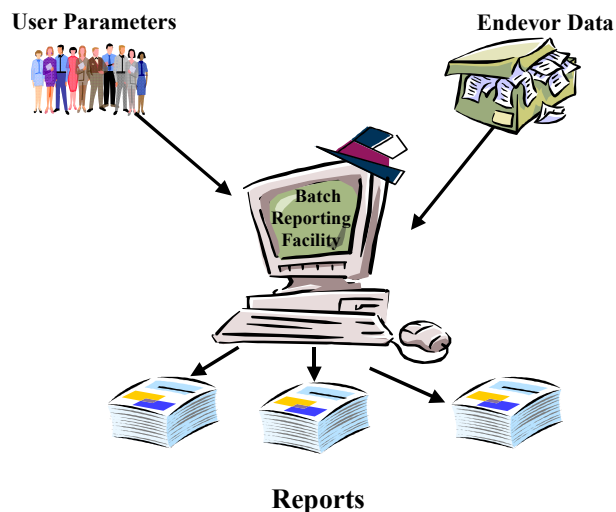


Figure 2. User parameters and ENDEVOR data are combined to build custom Adhoc reports

This definition process creates a parameter list that is passed on to the Adhoc Reporter batch reporting component. These parameters can be saved for later use

as either Adhoc or scheduled reporting. Users may also request any of the standard reports provided with the product.

The User Interface

The ISPF Front-end is a major component of the Adhoc Reporter. Through this facility, users select canned reports and/or custom reports. They can build the reports once and save them for later use, or they can build and submit them as needed. The facility is a series of panels that prompt the user to enter data such as report type, fields to include, sort order, and filters. Depending on the report, the user can often enter up to 25 filter values for each field. The following is a list of the typical reports the user can build and request through the ISPF front-end:

- Processor Group Usage Reports
- Type and System Reports
- General Package Reports
- Approver Group Usage Reports
- General Element Type Reports

```
----- Adhoc Reporter Main Menu -----
Option ==>

Select an option from the menu below:

1) Create Custom General Reports
2) Create Custom Package Reports
3) Create Custom Processor Group Reports
4) Create Custom Approver Group Reports
5) Execute Prepacked Reports

6) Edit and Submit Current Active List
7) Clear and Reset Current Active List
8) Set Session Attributes
X) Exit
```

Figure 3. Adhoc Reporter Main Menu

```
----- Adhoc Reporter Prepacked Reports-----
Option ==>

Select an option from the menu below:

1) Processor Groups by usage
2) Approvers by usage
3) Types per Environment and System

PF3 = End   Enter = Process   PF1 = Help
```

Figure 4. Prepacked Reports Panel

User Interface Custom Features

Once the user has selected the type of report they are looking for, they will be prompted with panels for more specifics. Adhoc Reporter's custom features offer a variety of options:

Sort Variables

The user may want the information sorted by a non-standard variable such as system and type, or by a date and time field. They would indicate the desired order by entering 1, 2, 3, etc., in the sort sequence fields next to the data fields.

Sort order overridden

```
----- Adhoc Reporter General Reports-----
Option ==>
The following report fields are available for building custom general
reports. Enter 'X' next to fields desired, optionally enter a
numeric value to define sort order. Search limit field is optional.

      Field Sort Limit      Field Sort Limit
      Name  Order Search   Name  Order Search
      (X)  (NUM)  (Y)      (X)  (NUM)  (Y)
Environment => X => =>   Base Date   => X => =>
System      => X => =>   Base Time   => X => =>
Subsystem   => X => =>   Base Userid => X => =>
Type        => => =>   Current Date => => =>
Element     => X => =>   Current Time => => =>
Stage       => => =>   Generate Date => => =>
Ver. Lvl.   => => =>   Generate Time => => =>
Source Lines => X => 1 =>   Generate Usrid => => =>
CCID        => => =>   L. Action Date => => =>
Last Action => => =>   L. Action Time => => =>
Move Date   => => =>   L. Action Usid => => =>
Move Time   => => =>   Proc. Fail Flg =>
Signout-id  => => =>   Proc. Ret. Cod =>
Retrieve to  => => =>
```

Custom General Reports Panel

Report Fields

This feature controls which fields are used in the report. For instance, perhaps the user only wants ENVIRONMENT, STAGE NUMBER, and ELEMENT NAME. The user places an "X" next to these fields, and they will appear on the report.

Data Filters

The user can control the amount of information generated by providing filters. To limit the data amount, the user selects both the field and specific values for filtering. If no additional data is requested, then all of the data currently in the file is used.

Prepackaged Report Examples

There are three prepackaged administrative reports delivered with the product:

- Processor Groups by Usage
- Approver Groups by Usage
- Types per Environment and System (shown below)

```
          A D H O C   R E P O R T E R   7 . 0
          E N D E V O R   T Y P E S

          S T A G
ENVIRONMENT  SYSTEM  TYPE      ID  TYPE DESCRIPTION
SPAIN        ADHOC   ASM       1  ASSEMBLER SOURCE... COPIED FROM ORIGINAL LOCATION
SPAIN        ADHOC   IMSGS    1  ISPF MESSAGES..... CIGT.SPAIN.ISPMLIB1.ADHOC
SPAIN        ADHOC   IMSGS    2  ISPF MESSAGES..... CIGT.SPAIN.ISPMLIB2.ADHOC
SPAIN        ADHOC   INTPGMS  1  REXX (COMMENTS).... CONTAINS COMMENTS: DO NOT SHIP
SPAIN        ADHOC   INTPGMS  2  REXX (COMMENTS).... CONTAINS COMMENTS: DO NOT SHIP
SPAIN        ADHOC   INTSAS   1  SAS (COMMENTS)..... CONTAINS COMMENTS: DO NOT SHIP

TOTAL TYPES IN SPAIN   ADHOC   =   6

SPAIN        CPQA0798  ASM       1  BAL MACROS..... CIGT.SPAIN.SRCLIB1/LOADLIB1
SPAIN        CPQA0798  ASM       2  BAL SOURCE..... CIGT.SPAIN.SRCLIB2/LOADLIB2
SPAIN        CPQA0798  CONTROL  1  CONTROL ELEMENT... CIGT.SPAIN.INTLLIB1
SPAIN        CPQA0798  CONTROL  2  CONTROL ELEMENT....

TOTAL TYPES IN SPAIN   CPQA0798 =   4
```

Figure 6. Example of Type Report

The primary target of this report would be administrators, consultants, and implementers. One typical usage of this type of report would be to check that all systems had the same type definitions or to gauge an implementation effort.

Custom Report Examples

The number and type of reports is limited only by the requirements of the user. The selection process is divided up by major category. After a category is chosen, the sort order, field selection, and filtering all work the same for all reports. There are four major report categories delivered with the product:

- Custom General Reports
- Custom Package Reports
- Custom Processor Group Reports
- Custom Approver Group Reports

CUSTOM PACKAGE REPORT BY PACKAGE ID						
PACKAGE ID	STAGE ID	PACKAGE STATUS	EXECUTION WINDOW START		EXECUTION WINDOW END	
			DATE	- TIME	DATE	- TIME
PACKAGEA	1	APPROVED	02/03/99	06:15	02/03/99	08:30
PACKAGEB	2	CAST	02/03/99	06:15	02/03/99	08:30
PACKAGEE	2	APPROVED	02/03/99	09:30	02/03/99	10:30
PACKAGEF	1	APPROVED	02/05/99	02:45	02/05/99	03:30
PACKAGEG	2	APPROVED	02/08/99	14:45	02/08/99	16:15
PACKAGEX	1	DENIED	02/09/99	06:15	02/03/99	08:30
PACKAGEY	2	APPROVED	02/09/99	08:30	02/09/99	08:45
PACKAGEZ	1	APPROVED	02/10/99	10:30	02/10/99	11:45
END OF PACKAGE REPORT						

Figure 7. Custom Package Report

ADHOC REPORTER 7.0 CUSTOM APPROVER GROUP REPORT APPLICATION					
ENVIRONMENT	STAGE ID	APPROVER GROUP	LAST UPDATE USER	QUORUM COUNT	APPROVERS
SPAIN	1	CHASE1	CIG02	1	CIG03
SPAIN	1	CHASE1	CIG02	1	CIG02
SPAIN	1	CHASE2	CIG02	1	CIG02
SPAIN	1	TESTDATA	HV005	0	HV006
SPAIN		CHASE1	CIG02	1	CIG01
SPAIN		CHASE2	CIG02	1	CIG01

Figure 8. Custom Approver Group Report

Making the Most of Your Data and Time

Everyone in business today is being asked to do more with less. The Adhoc Reporter allows users to work smarter by translating raw data into concise information, tailored to meet their needs. Through a simple-to-use interface, administrators, managers, and programmers can make use of the massive amount of data that Endeavor provides, in the format that they need.

Adhoc Reporter also allows the administrators to meet the ever-changing and often “one-time-only” needs of their customers. Instead of spending precious time modifying reports, the end user can simply use the Adhoc Reporter to solve the problem.

Summary

The Adhoc Reporter provides Endeavor users with the tool they have needed all along. By using Adhoc’s facility for building and saving custom reports, users can get to the data they need when they need it, in the format that they need it. The standard features of the Adhoc Reporter are as follows:

- Front end for building custom reports
- Sort order selection
- Field order and selection
- Filtering selection
- Standard reports

Additionally, Chicago Interface Group offers professional services in the areas of SCM training and additional *Adhoc* reporting systems. Contact Chicago Interface Group at (773) 524-0998 for additional information on CIG’s Adhoc Reporter or other available products and services. Additional information about CIG can be found on the internet via <http://www.cigi.net>.

