

Dbedit

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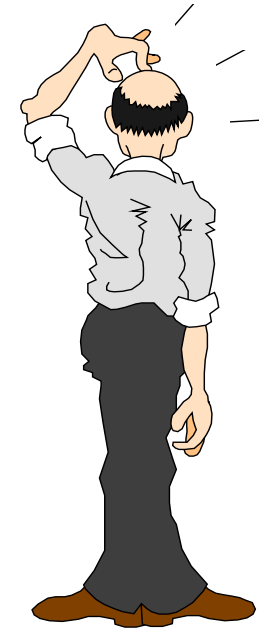
Editing a database with Dbedit

- **Dbedit** uses simple commands to perform these editing operations:
 - listing entries
 - adding an entry
 - modifying an entry
 - deleting an entry
 - applying global changes to entries
- It can work on chains of entries or related entries
- It can modify key items



How can Dbedit help me with my work?

- Dbedit is useful in many ways
 - Debugging programs
 - Fixing bad data
 - Building prototype databases



Accessing Dbedit

- Step 1: Run Suprtool
- Step 2: Use the BASE command to open a database
- Step 3: Use the EDIT command to start Dbedit

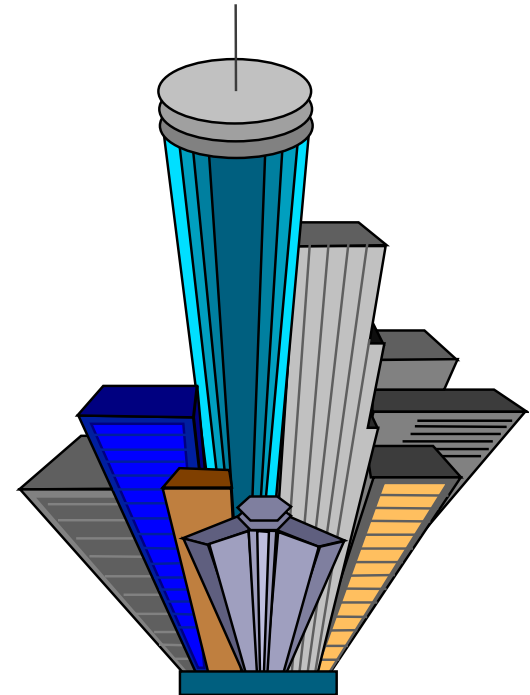
```
:run suprtool.pub.robelle  
>base store.pub  
>edit  
#           {Dbedit prompt}
```



Ddebit is built into Suprtool

- Ddebit is a Suprtool component that functions independently
- Ddebit commands:

```
#form sets  
#list m-customer  
#modify d-sales;updatekey  
#add d-inventory  
#delete  
#change m-product  
#exit
```



Finding an entry with a known key

- Use LIST *setname* and specify a key value at the prompt

```
#list m-customer
```

```
List in File: M-CUSTOMER
```

```
CUST-ACCOUNT      >10020_____
CITY              = Surrey              CREDIT-RATING    = 200000
CUST-ACCOUNT      = 10020              CUST-STATUS      = 20
NAME-FIRST        = Walley              NAME-LAST        = Nisbet
STATE-CODE        = BC
STREET-ADDRESS    = 8877-149th Street
                  (2)
POSTAL-CODE       = V3T4W2
```

```
List in File: M-CUSTOMER
```

```
CUST-ACCOUNT      > _____ Prompts for next value _____
```

Finding a chain of entries

- Use LIST *setname* to specify a chain of entries

```
#list d-sales
```

```
List in File: D-SALES
```

```
  CUST-ACCOUNT      >10020_____
```

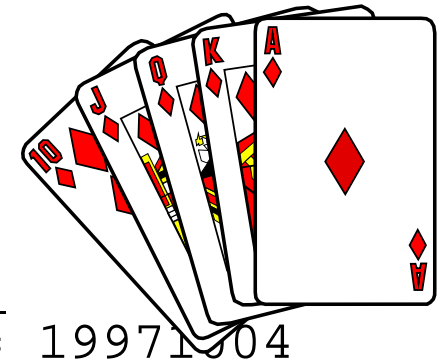
```
  PRODUCT-NO       >_____ {press return to omit}_____
```

CUST-ACCOUNT	= 10020	DELIV-DATE	= 19971004
PRODUCT-NO	= 50511501	PRODUCT-PRICE	= 9831
PURCH-DATE	= 19971000	SALES-QTY	= 2
SALES-TAX	= 2753	SALES-TOTAL	= 22415

CUST-ACCOUNT	= 10020	DELIV-DATE	= 19971028
PRODUCT-NO	= 50512501	PRODUCT-PRICE	= 14660
PURCH-DATE	= 19971028	SALES-QTY	= 1
SALES-TAX	= 2052	SALES-TOTAL	= 16712

```
List in File: D-SALES
```

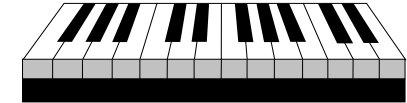
```
  CUST-ACCOUNT      >_____ {press return to end}_____
```



How can I change the search key?

- Use the KEY option to specify a different key and alter the search path

```
#list d-sales;key = product-no
```



```
List in File: D-SALES
```

```
  PRODUCT-NO          > 50512501
  CUST-ACCOUNT        > _____ {enter value or press return}_
CUST-ACCOUNT          = 10003          DELIV-DATE            = 19971016
PRODUCT-NO            = 50512501      PRODUCT-PRICE        = 14562
PURCH-DATE            = 19971016      SALES-QTY             = 1
SALES-TAX             = 2039          SALES-TOTAL          = 16601

CUST-ACCOUNT          = 10020          DELIV-DATE            = 19971028
PRODUCT-NO            = 50512501      PRODUCT-PRICE        = 14660
PURCH-DATE            = 19971028      SALES-QTY             = 1
SALES-TAX             = 2052          SALES-TOTAL          = 16712
```

```
List in File: D-SALES
```

```
  PRODUCT-NO          > _____
```


What if I don't know the key value?

- Use the ALL option to sequentially display all the entries in a dataset

```
#list m-customer;all
```

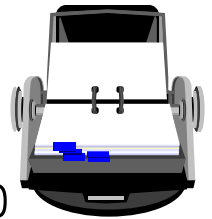
```
List ALL records in File: M-CUSTOMER
```

```
CITY                = Vancouver          CREDIT-RATING      = 200000
CUST-ACCOUNT        = 10010             CUST-STATUS        = 20
NAME-FIRST          = Wayne             NAME-LAST          = Humphreys
STATE-CODE          = BC
STREET-ADDRESS      = #403-1075 Comox
```

```
(2)
```

```
POSTAL-CODE         = V5T1H6

CITY                = Coquitlam          CREDIT-RATING      = 200000
CUST-ACCOUNT        = 10014             CUST-STATUS        = 20
NAME-FIRST          = Elizabeth         NAME-LAST          = Welton
STATE-CODE          = BC
STREET-ADDRESS      = 2788 Oxtoby Place
.....etc.....
```



Listing related entries from other datasets

The RELATED option with the LIST command searches for entries in the selected dataset and in related datasets

- If a **master** dataset is specified, Dcredit retrieves a master entry and then goes through the paths to detail sets

```
#list m-customer;related
```

- If a **detail** dataset is specified, Dcredit retrieves a detail chain, then goes through the paths from master sets

```
#list d-sales;related
```

Changing a noncritical field

- Use the MODIFY command to change the values of noncritical fields in a record

```
#modify d-inventory : unit-cost
```

```
Modify within File: D-INVENTORY
```

```
SUPPLIER-NAME >STD Ribbons
```

```
PRODUCT-NO >105391
```

```
Enter new values(or <Return> to leave as is):
```

```
SUPPLIER-NAME = STD Ribbons
```

```
PRODUCT-NO = 105391
```

```
UNIT-COST = 500
```

```
_____ {enter new unit cost}
```

How can I modify a critical field?

- Use the UPDATEKEY option to modify critical items

```
#modify d-inventory;updatekey
```

```
Modify within File: d-inventory
```

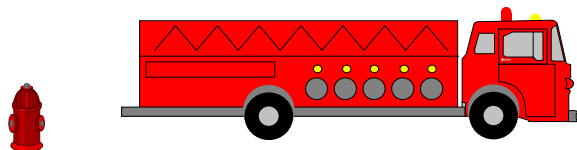
```
SUPPLIER-NAME > * _____ {no new value}
```

```
PRODUCT-NO > _____ {press Return to omit}
```

```
Enter new values (or <Return> to leave as is):
```

```
SUPPLIER-NAME = STD Ribbons
```

```
STD Ribbon {new key value}
```



Can I make a global change to a field?

- If you need to change a field value in the entire dataset, use the CHANGE command

```
#change m-supplier
```

```
Enter existing key value to find:
```

```
SUPPLIER-NAME >ACME
```

```
Enter new key value to replace with:
```

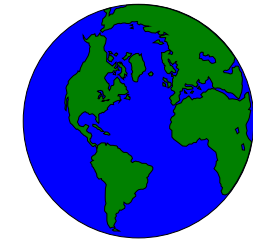
```
SUPPLIER-NAME >ACME SUPPLY
```

```
SUPPLIER-NAME = ACME CITY = Los Angeles
```

```
STATE-CODE = CA STREET(1) = 100 Main
```

```
STREET(2) = ZIP-CODE = 91201
```

```
OK to change this entry[no]:Y
```



Subcommands in Dbedit

- In response to the Dbedit prompt for a field value, you can use the following subcommands:

* No new value

? Display the TurboIMAGE format or field

// Quit the command

\\ Quit the command

Ctrl-Y Quit the command

[Treat rest of line as data, not as subcommand

' Set this field to all blanks (batch use)

= Execute a calculator command



Moving around in a field list

- Try these subcommands to move to other entries in a field list:

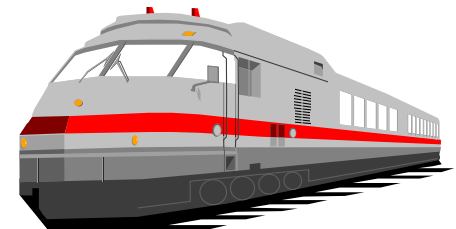
>> Go to the end of the field list

<< Go to the beginning of the list

>3 Go three fields forward in the list

<3 Go three fields back in the list

@*fieldname* Go to the fieldname



Adding new entries to a dataset

- Use the ADD command to insert a new record into a dataset

```
#add m-supplier
```

```
Add to File: M-SUPPLIER
```

```
SUPPLIER-NAME >ACME
```

```
CITY >Los Angeles
```

```
STATE-CODE >CA
```

```
STREET(1) >100 Main
```

```
STREET(2) >_____ {press Return to omit}
```

```
ZIP-CODE >91201
```



How can I delete an entry?

- It's easy to remove an entry using the DELETE command

```
#delete m-supplier
```

```
Delete from File: M-SUPPLIER
```

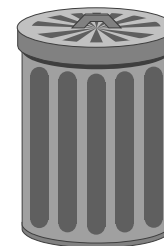
```
SUPPLIER-NAME >ACME
```

```
SUPPLIER-NAME = ACME    CITY          = Los Angeles
```

```
STATE-CODE     = CA     STREET(1) = 100 Main
```

```
STREET(2)      =        ZIP-CODE    = 91201
```

```
Is this the entry to delete[no]:Y
```

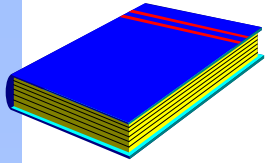


MPE/iX Critical Item Update (CIU)

- CIU allows programs to modify critical search and sort fields in detail datasets using DBUPDATE
- By default, IMAGE databases have CIU disabled
- Dcredit requires CIU for the CHANGE command and the UPDATEKEY option with the MODIFY command
- Two ways to enable CIU
 1. `set basename ciupdate = on`
 2. `set basename ciupdate = allowed`

General guidelines

- Dbedit works best on single entries or chains of entries
- Dbedit uses keyed access, but serial access can be specified with the LIST ALL command
- All Dbedit commands support the asterisk (*) subcommand
- All commands support a restrictive field list
- A semicolon (;) separates a command from its options



Summary

- Like a text editor for dataset entries
- ADD, CHANGE, DELETE, LIST, MODIFY
- Updating key values

