



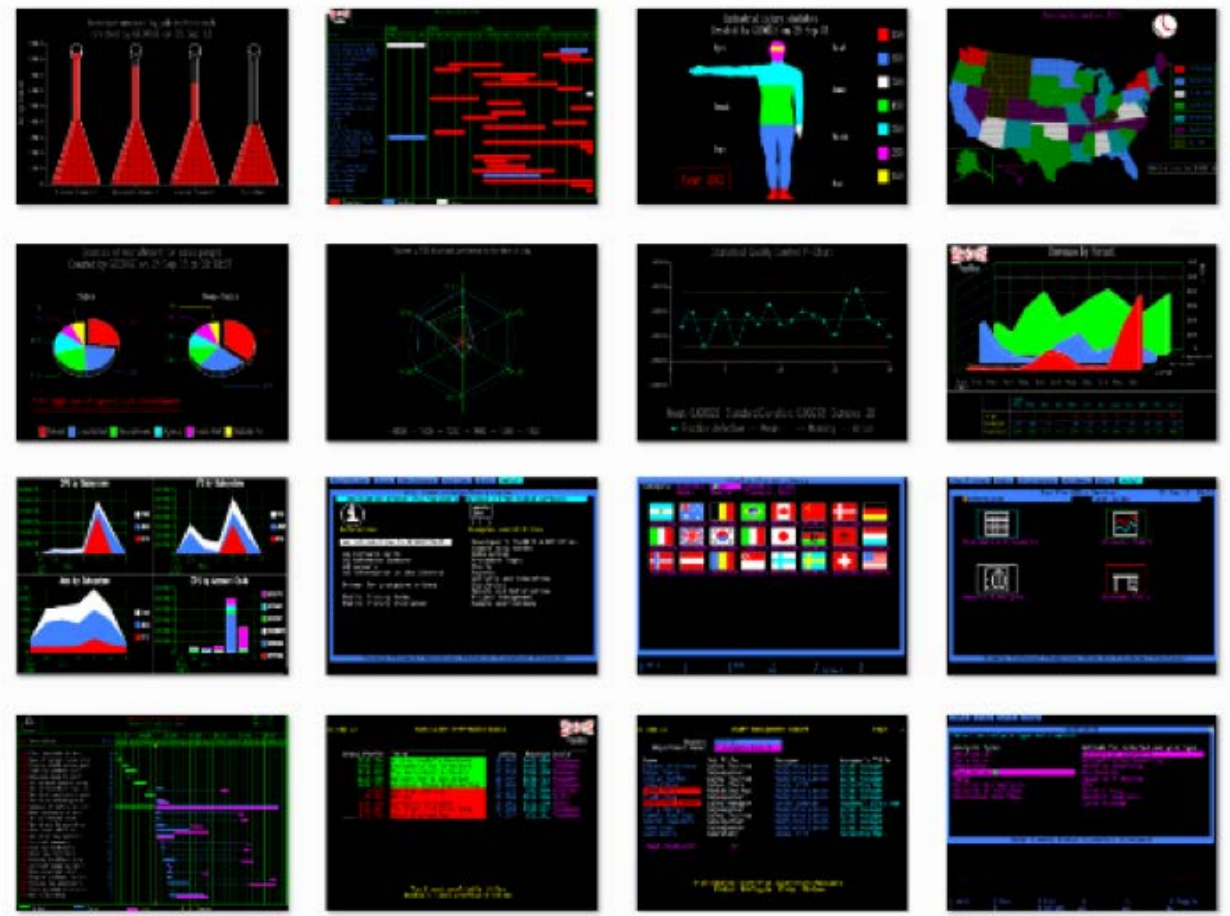
# Introduction to Rocket AS

*An overview for new users*

August 2014

# What is Rocket AS?

The original and still the most powerful analytics and application development suite on the mainframe



# AS in 2014 is also so much more

- Different hardware – from tablets to mainframes
- A to Z of operating systems



- Outstanding value for money
  - Run AS applications on both mainframe and multiplatform
  - World class visualization and dashboard capabilities on desktops, web browsers, and mobile devices

# Rocket AS

- Rocket AS (formerly IBM AS) provides query, reporting, data visualization, and rapid application development for data from System z and other platforms, including DB2, Oracle, and Microsoft SQL Server. With a rich collection of commands and functions, AS (Analytics Server) also provides powerful data update, manipulation, and discovery capabilities.
- Rocket AS includes mainframe and multiplatform servers and clients, with desktop, web, mobile, and 3270 user interfaces. The extensive application development capabilities provided with the AS 4GL language enable the creation of world class applications that can be used by 3270 and Linux, UNIX and Windows users alike.
- Rocket AS is used across all industries in 20+ countries. It is the authorized replacement product for users of IBM AS (program number 5648-092), and IBM AS applications are fully compatible with Rocket AS.



Detailed Topics  
(mostly shown using the **z/OS** client)



# Topics

- Some AS concepts
- Data retrieval/analysis - View/Select etc.
- Data manipulation - Copy/Sequence etc.
- The AS Data Dictionary - Tables/Columns
- Other presentation styles - Reports/Charts
- Organizing your AS work - Procedures & Workplaces
- Starting/Ending AS
- Other useful things

# Topic 1

- **Some AS concepts**
- Data retrieval/analysis - View/Select etc.
- Data manipulation - Copy/Sequence etc.
- The AS Data Dictionary - Tables/Columns
- Other presentation styles - Reports/Charts
- Organizing your AS work - Procedures & Workplaces
- Starting/Ending AS
- Other useful things

# Who uses AS?

- Planners
- Engineers
- Administrators
- Financial Analysts
- Accountants
- Statisticians
- Executives
- Programmers
- Anybody!



# What does AS provide?

- Data access
  - AS tables
  - DB2 tables
  - Other files
  - Plus if using the multiplatform AS Server...
    - Oracle, Microsoft SQL Server, PostgreSQL, MySQL, Teradata
- End-user tools
  - Query
  - Report/Chart
  - Data Analysis
  - Business Tools
- Application Development tools
  - Programming language
  - Screen Design
  - Client/Server

# Components of AS

## ■ Server (z/OS and z/VM)

- Base product: Data Access, Query, Reporting, Charts, Data Analysis, etc.
- Business Tools
  - Project Management
  - Business Planning
  - Statistics & Forecasting
  - Linear Programming
- Info Center/Enhanced (ASICE)

## ■ Server (Multiplatform – Linux, UNIX, and Windows)

- Base product: Data Access, Query, Reporting, Data Analysis, etc.
- Charts, Dashboards provided by CorVu NG software, included

## ■ Multiplatform Clients

- Clients for developers, power users, and regular users – desktop, web, and mobile

# Clients for all types of usage

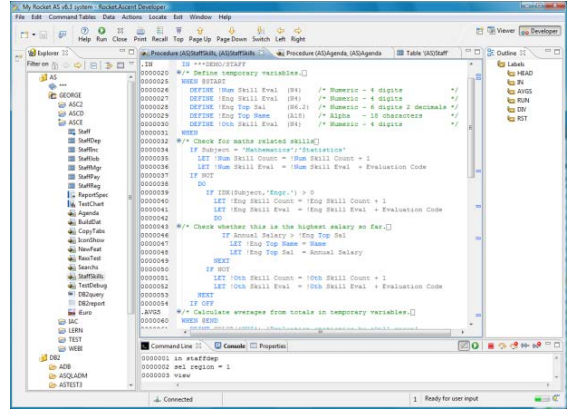
3270 AS Client



APIs for developers



Eclipse-based IDE

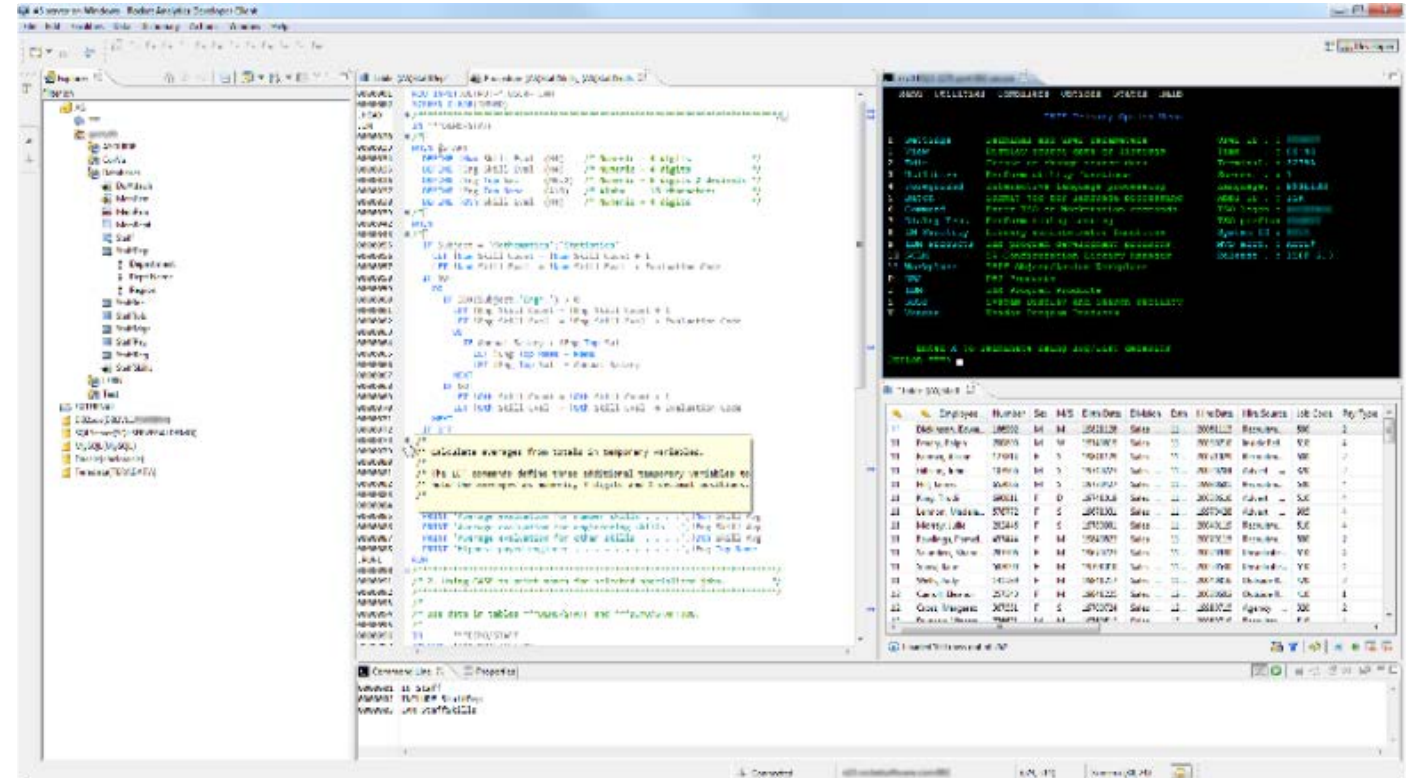


Web and mobile dashboards



# Productivity for developers and users

- AS includes a PC-based Integrated Development Environment for your AS application developers and your power users
- Can be used with both mainframe and multiplatform AS servers
- Viewer client also available for desktop and web browser users for zero-install single-click access to your AS applications



# AS tables

- AS Application codes
  - Like PC folders
  - Used to organize tables
- AS tables
  - Data (rows & columns)
  - Language
    - *Commands (syntax)*
    - *Specifications (no syntax)*

# AS menus

- Action Bars
- Pull-down menus
- Selection windows
- Information Windows
- Contextual Help
  
- *Operation:*
  - Select:
    - PF11 or Mouse Button 1
  - Contextual Help
    - PF1 or Mouse Button 2

# AS menus and Help

```

Facilities | Data | Dictionary | Actions | Exit | Help
Report
Charts
View data table
Change data table
Copy data table
Edit command table
Data analysis
Project management
Business planning
Statistical analysis
Screen design
    
```

**Data Analysis**

The **Data Analysis** screen enables you to create, update, or use an AS Data Analysis specification.

The features on the Data Analysis screen are:

<b>Columns to Analyze</b>	columns or expressions to be analyzed
<b>Group by</b>	column or expression used to group results
<b>Group across</b>	to group results in the second dimension
<b>Group through</b>	to group results in the third dimension
<b>Analysis type</b>	to confirm the current analysis type
<b>Column Identification</b>	to mark the currently active column
<b>Action</b>	to manipulate columns and expressions entered

To get more help, move the cursor to an item on an option list, an area of the screen, or the PF key area, and press **PF1**.

PF12=Cancel Help

---

```

1 Help      2 Run      3          4 Print    5 Recall   6 Toggle
7 Up        8 Down     9          10         11 Select  12 Command
    
```

# AS commands

- Sometimes quicker than menus
- More powerful than menus
- Entered at the ‘?’ prompt
- Press Enter after each one
- 3-character abbreviation, e.g.:
  - **CHAnge**
- ‘Active’ or ‘Passive’, e.g.:
  - **ANALYSE** is active
  - **SELECT** is passive
  - **SEQUENCE** is active



# Simple query commands

- Specify the data table:  
**in** staff
- Select some columns:  
**view** name,job code,division,birth date
- Select some rows:  
**select** job code=500 | division='Sales'
- Specify the order of rows:  
**sequence** department,-annual salary
- Analyze the data:  
**frequency** division,job code

# Topic 2

## ./ Some AS Concepts

- **Data retrieval/analysis - View/Select etc.**
- Data manipulation - Copy/Sequence etc.
- The AS Data Dictionary - Tables/Columns
- Other presentation styles - Reports/Charts
- Organizing your AS work - Procedures & Workplaces
- Starting/Ending AS

# The IN table

- Must be specified before you can process any data
- Can be the Output from the previous process
- Use 'Select In...' option on 'Data' menu, **or**
- Use the IN command, e.g.:
  - **in** sales
- To data table:
- **in** *userid.code/tablename* access a DB2 table:
  - **in** (DB2)*tablename*
- To access another user's table

# Selecting the IN table

Facilities Data Dictionary Actions Exit Help

```
      Select In table
Database . . . . . AS
Userid . . . . . PETERM
Code . . . . . DEMO
Table . . . . . StaffNew
Cycle . . . . .
Password . . . . .
Enter PF7=Up PF8=Down PF11=Select PF12=Cancel
```

```
AS Data Tables
Table
-----
raddata
Rates
RatesA
Results
Shares
sqlstock
StafDepR
Staff
StaffD
StaffDep
StaffJob
StaffNew
Staffreg
StafSumI
Top
A-D
E-H
I-M
N-Q
R-T
U-Z
PF7=Up PF8=Down
PF11=Select
```

1 Help      2 Run      3  
7 Up        8 Down    9            4 Print    5 Recall   6 Toggle  
   10        11 Select   12 Command

# VIEW command

- Simple view of AS tables:  
in staff  
view
- Select columns for viewing:  
view name,annual salary,job code,birth date,subject
- Dynamic display of Row Selections
- Can use expressions:  
view name,annual salary+commission
- PF keys for navigating:

PF7: up  
 PF10: left  
 PF2: bottom of table

PF8: down  
 PF11: right  
 PF8: top of table

# The View screen

```

Data Dictionary Display Exit Help
VIEW      ***DEMO/STAFF - Demonstration STAFF table
Annual Job
Dept Employee Name      Salary Code Birth Date Field of Study      Action
11 Dickinson, Edward    22,513 500 15 Jun 75 Statistics
11 Emery, Ralph          30,670 510  4 Jan 67 Sociology
11 Farmer, Alison       18,597 500 16 Jun 77 Mathematics
11 Gibson, John         17,292 320 10 Sep 66
11 Hill, James          40,783 530 12 Nov 65 Art
11 King, Trudi          30,017 510  6 May 67 Drama
11 Lennon, Madeleine    61,665 905 17 May 60 Business Admin.
11 Morray, Julie        29,364 510 19 Mar 71 Economics
11 Rawlings, Pamela     17,945 500  8 Dec 76
11 Saunders, Sharon    32,301 510  7 Feb 60
11 Snow, Jane           29,364 510 26 Apr 72 Mathematics
11 Wells, Judy          15,988 420  4 Jul 77
12 Carroll, Eleanor     17,292 410 12 Jul 77
12 Cross, Margaret      19,903 320  8 Feb 63
12 Duggan, Vincent      29,364 510 27 Nov 68 Mathematics
12 Edwards, Janet      29,364 510 16 Jan 70 German
12 Ellis, Jerry         31,322 510 13 Jul 65 Mechanical Engr.
12 Hall, Ann            15,988 410 27 Jun 77
12 Morton, Yvette       27,407 510 20 Aug 71 Psychology
12 Owen, Thomas         32,954 510 23 Nov 56
12 Parsons, Nicola      33,279 510 11 Jun 61 History
12 Rice, Douglas        51,551 530 21 Feb 65 Mechanical Engr.
12 Shaw, James          60,033 905 13 Jan 67 Business Admin.
12 Shepherd, John       18,597 500 14 Jan 74 Business Admin.
12 Smith, Carl          19,577 500  3 Apr 67 Anthropology
? █
1 Help      2 Bottom   3 End      4 Print    5 Recall   6 Top
7 Up        8 Down     9 Switch   10 Left    11 Right   12 Command
  
```

# SELECT command

- Used for Row Selections
- A single numeric value:  
**select** department=70
- A single alphanumeric value:  
**select** division='Head Office'
- A range:  
**select** annual salary=10000:20000
- A set of distinct values:  
**select** job code=310;400;600;790

# SELECT command (cont'd)

- Logical tests, e.g.:
  - select** annual salary >= 20000
  - select** department  $\neq$  99
  
- With functions, e.g.:
  - select** **AGE**(birth date) > 45
  - select** **WORD**(name, 2) = 'John'
  - select** **EXC**(dollar commission, 'EUR') > 1500
  
- Multiple selections, e.g.:
  - select** department = 12:30:70
  - select** sex = 'M' & marital status = 'S'
  - select** employee no > 150000 | salary type = 1



# Select Rows window

Facilities Data Dictionary Actions Exit Help

Select Rows

No. Selection Condition  
 1 Division = 'Sales'; 'Computing'

Enter PF1=Help PF4=Delete PF7=Up PF8=Down PF12=Cancel

In: StaffNew			
No.	Column Name	Type	Size
1	Name	A	18
2	Employee No	N	6
3	Sex	A	1
4	Marital Status	A	1
5	Birth Date	N	6
6	Division	A	16
7	Department	N	3
8	Telephone	N	4
9	Hire Date	N	6
10	Source of Hire	A	18
11	Job Code	N	3
12	Salary Type	N	1
13	Annual Salary	N	7.2
14	Commission	N	7.2

PF1=Help PF4=Details PF7=Up PF8=Down  
 PF10=Next PF11=Select PF12=Cancel

Select Operator	
Operator	Description
=	Equal to
≠	Not equal to
<	Less than
>	Greater than
<=	Less than or equal to
>=	Greater than or equal to

PF1=Help PF11=Select PF12=Cancel

1 Help	2 Run	3	4 Print	5 Recall	6 Toggle
7 Up	8 Down	9	10	11 Select	12 Command

# ANALYSE command

- Used for counting unique values in columns
- One dimension (*rows*):  
**analyse** division
- Two dimensions (*rows, columns*):  
**analyse** division, marital status
- Three dimensions (*rows, columns, pages*):  
**analyse** division, marital status, sex

# Analyse example

Division by M/S

	Total	D	M	S	W
Total	262	15	78	143	26
Computing	12	0	5	6	1
Head Office	30	2	7	17	4
Production	108	7	32	58	11
Research	17	2	8	7	0
Sales	95	4	26	55	10

# Topic 3

- . / Some AS concepts
- . / Data retrieval/analysis - View/Select etc.
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- The AS Data Dictionary - Tables/Columns
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- Other useful things

# The OUT table

- Specifies the table to be used for output
- Use 'Select Out...' option on 'Data' menu, *or*
- Use the OUT command, e.g.:
  - out** newstaff
- Must be specified before the command that creates the table, e.g.:
  - in** staff
  - out** newstaff
  - copy** department,name,birth date
- The OUT table from one process becomes the IN to the next (unless you specify another)

# COPY command

- Creates a new copy of a table, e.g.:
  - in** staff
  - out** newstaff
  - copy**
- Copy selected columns in any order:
  - copy** name,job code,annual salary
- Use with SELECT for table subsets:
  - in** staff
  - out** dep70
  - select** department=70
  - copy** name,telephone,birth date

# SEQUENCE command

- Changes the order of the rows in a table and creates key columns
- Copies all columns to a new table
- Specify columns in major to minor sequence (10 maximum), e.g.:
  - in** staff
  - out** newstaff
  - sequence** department,job code,name
- Use '-' for descending sequence:
  - sequence** -annual salary

# SEQUENCE (cont'd)

- Used with SELECT for table subsets:
  - in** staff
  - out** sales
  - select** division='Sales' & job code>500
  - sequence** job code,-birth date



# Topic 4

- ./ Some AS concepts
- ./ Data retrieval/analysis - View/Select etc.
- ./ Data manipulation - Copy/Sequence etc.
- **The AS Data Dictionary - Tables/Columns**
- Other presentation styles - Reports/Charts
- Organizing your AS work - Procedures & Workplaces
- Starting/Ending AS
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# The Data Dictionary

Contains information about your data:

- **Table Summary**

A list of tables in the application code showing:

- *Name*
- *Type*
- *Title*

- **Table Details**

More details on each table, including:

- *Creation & Modification dates/times*
- *Table Comment*
- *No. of rows/lines*

# The Data Dictionary (cont'd)

- ***Column Summary***

A list of columns in a data table, showing:

- *Name*
- *Type, Size*
- *Key*
- *Title*

- ***Column Details***

More details on each column, including:

- *Column Comment*
- *Display format & colour*
- *Total option*
- *Default value*
- *Validity check*

# Accessing the Data Dictionary

Two methods/styles of use:

- Select 'Housekeeping' from the 'Dictionary' menu; then follow:
  - Attributes (for Table Details)
  - Column Summary
  - Column Details
  
- Use the **Tables** command for the Table Summary; then use PF10 and PF11 for:
  - Table Details
  - Column Summary (*or straight here with the **Columns** command*)
  - Column Details

# Housekeeping – Table list

Facilities Data Dictionary Actions Exit Help

```

Housekeeping
Database . . . . . AS          Select Action
Userid . . . . . PETERM       Attributes Purge   Rename
Code . . . . . DEMO          Column Det Share   Withdraw
Table . . . . . StaffNew      Column Sum Protect Allow
Cycle . . . . .                Keep           Lock           Unlock
Password . . . . .          Clear          Actions        Table copy
Enter PF1=Help PF11=Select PF12=Cancel
  
```

```

AS Tables
Table      Type Last change Title
-----
StaffNew   Dra    4 Feb 99  Updated Staff table
StaffPie   Dra    9 Sep 98
Staffreg   Cen    1 Aug 97  Regional Managers for STAFFDEP
STAFFREP   Cen   19 Sep 97
StaffR1    Rep    3 Nov 97  Summary of salaries by division
staffr1c   Cen    3 Nov 97
StaffR1H   Cen    3 Nov 97
StaffSum   Pro   14 Dec 98
StafSmR2   Rep   14 Dec 98
StafSumI   Cen   14 Dec 98
StafSumR   Rep   11 Dec 98
StatDemo   Pro    1 Oct 98  Experiment with Stats/Model
StatPro    Pro   22 Oct 98  Forecasting Book Sales
supplier   Pro    1 Aug 97  Supplier data table
Top
A-D
E-H
I-M
N-Q
R-T
U-Z
PF1=Help PF7=Up PF8=Down PF9=Subset PF11=Select PF12=Cancel
  
```

1 Help      2 Run      3      4 Print      5 Recall      6 Toggle  
 7 Up        8 Down     9      10        11 Select    12 Command

# Table Attributes

Facilities Data Dictionary Actions Exit Help

**Data Table Attributes**

Database . . . . .	AS	Select Action	
Userid . . . . .	PETERM	Panel Details	Properties
Code . . . . .	DEMO	Column Details	Cultural seq
Table . . . . .	StaffNew	Column Summary	
Cycle . . . . .		Help	
New password . . . . .		Confirm new password	
Title . . . . .	Updated Staff table		
Comment			
Derived from ***DEMO/STAFF			
No. of Columns . . . . .	24	Locked . . . . .	Yes No
Size of each row . . . . .	194	Shared . . . . .	Yes No
No. of Rows . . . . .	262	Password Status . . . . .	No
Efficiency . . . . .	OPTIM	Creation Date . . . . .	18 Sep 97 09:15:49
Table Status . . . . .	In	Modified by . . . . .	Cha 4 Feb 99 14:41:35

Enter PF1=Help PF11=Select PF12=Cancel

- 1 Help
- 2 Run
- 3
- 4 Print
- 5 Recall
- 6 Toggle
- 7 Up
- 8 Down
- 9
- 10
- 11 Select
- 12 Command

# Column Summary

Facilities Data Dictionary Actions Exit Help

Column Summary for Table staffnew

Act ion	No.	Name	Type	Size	Key	Title
	1	Name	A	18	2	Employee Name
	2	Employee No	N	6		Number
	3	Sex	A	1		
	4	Marital Status	A	1		M/S
	5	Birth Date	N	6		
	6	Division	A	16		
	7	Department	N	3	1	Dept
	8	Telephone	N	4		Extn
	9	Hire Date	N	6		
	10	Source of Hire	A	18		Hire Source
	11	Job Code	N	3		
	12	Salary Type	N	1		Pay Type
	13	Annual Salary	N	7.2		
	14	Commission	N	7.2		
	15	Evaluation Date	N	6		Eval Date
	16	Evaluation Code	N	1		Eval Code
	17	Increase Date	N	6		
	18	Increase Amount	N	7.2		
	19	Increase Type	A	1		Inc Type
	20	Last Job Code	N	3		
	21	Qualifications	A	8		Education
	22	Subject	A	18		Field of Study
	23	Languages Spoken	M	6		Fluency

Enter PF1=Help PF7=Up PF8=Down PF11=Column Details PF12=Cancel

1 Help    2 Run    3    4 Print    5 Recall    6 Toggle  
 No changes allowed to table structure 0    11 Select    12 Command

# Column Details

Facilities Data Dictionary Actions Exit Help

Column Details for Table StaffNew

Column Number . . . . .	5	Select Action		
Name . . . . .	Birth Date	Display	Default	Check
Key Number . . . . .		Comment	External	Input
Size . . . . .	6	SQL	Help	
Type . . . . .	Alphanumeric	Numeric	Graphic	Multiple Response
Title . . . . .				

Enter PF1=Help PF7=Up PF8=Down PF11=Select PF12=Cancel

Column list

No.	Column Name	Type	Size
1	Name	A	18
2	Employee No	N	6
3	Sex	A	1
4	Marital Status	A	1
5	Birth Date	N	6
6	Division	A	16
7	Department	N	3
8	Telephone	N	4
9	Hire Date	N	6
10	Source of Hire	A	18
11	Job Code	N	3
12	Salary Type	N	1
13	Annual Salary	N	7.2
14	Commission	N	7.2

PF1=Help PF7=Up PF8=Down  
PF11=Select PF12=Cancel

1 Help    2 Run    3    4 Print    5 Recall    6 Toggle  
7 Up    8 Down    9    10    11 Select    12 Command



# Topic 5

- . / Some AS concepts
- . / Data retrieval/analysis - View/Select etc.
- . / Data manipulation - Copy/Sequence etc.
- . / The AS Data Dictionary - Tables/Columns
- **Other presentation styles - Reports/Charts**
- Organizing your AS work - Procedures & Workplaces
- Starting/Ending AS
- Other useful things

# Report

- Specification table
- Used for:
  - Formatting data
  - Adding titles, etc.
  - Creating totals
  - Including graphic output
- Create/select from:
  - 'Reports' under 'Facilities' menu, *or*
  - ?REPORT command
- Customize using:
  - 'Reports' action bar/menus

# Example of ?REPORT

Reports Data View Contents Text Actions Exit Help  
 Staff Report

Page 1

Dept **11**

Employee Name	Number	Birth Date	Extn	Job Code	Annual Salary
Dickinson, Edward	166992	11 Sep 73	1101	500	£25,509
Emery, Ralph	200890	2 Apr 65	1102	510	£34,752
Farmer, Alison	123814	13 Sep 75	1103	500	£21,073
Gibson, John	103966	7 Dec 64	1104	320	£19,594
Hill, James	652066	9 Feb 64	1105	530	£46,212
King, Trudi	690811	2 Aug 65	1106	510	£34,012
Lennon, Madeleine	578772	14 Aug 58	1107	905	£69,873
Murray, Julie	202446	15 Jun 69	1108	510	£33,273
Rawlings, Pamela	457444	7 Mar 75	1109	500	£20,333
Saunders, Sharon	287596	6 May 58	1110	510	£36,600
Snow, Jane	582090	24 Jul 70	1111	510	£33,273
Wells, Judy	141589	1 Oct 75	1112	420	£18,115
					£392,618

1 Help      2 Run      3 End      4 Print      5 Print all    6 Toggle  
 7 Up        8 Down    9 Sel. cols 10    11 Select    12 Command

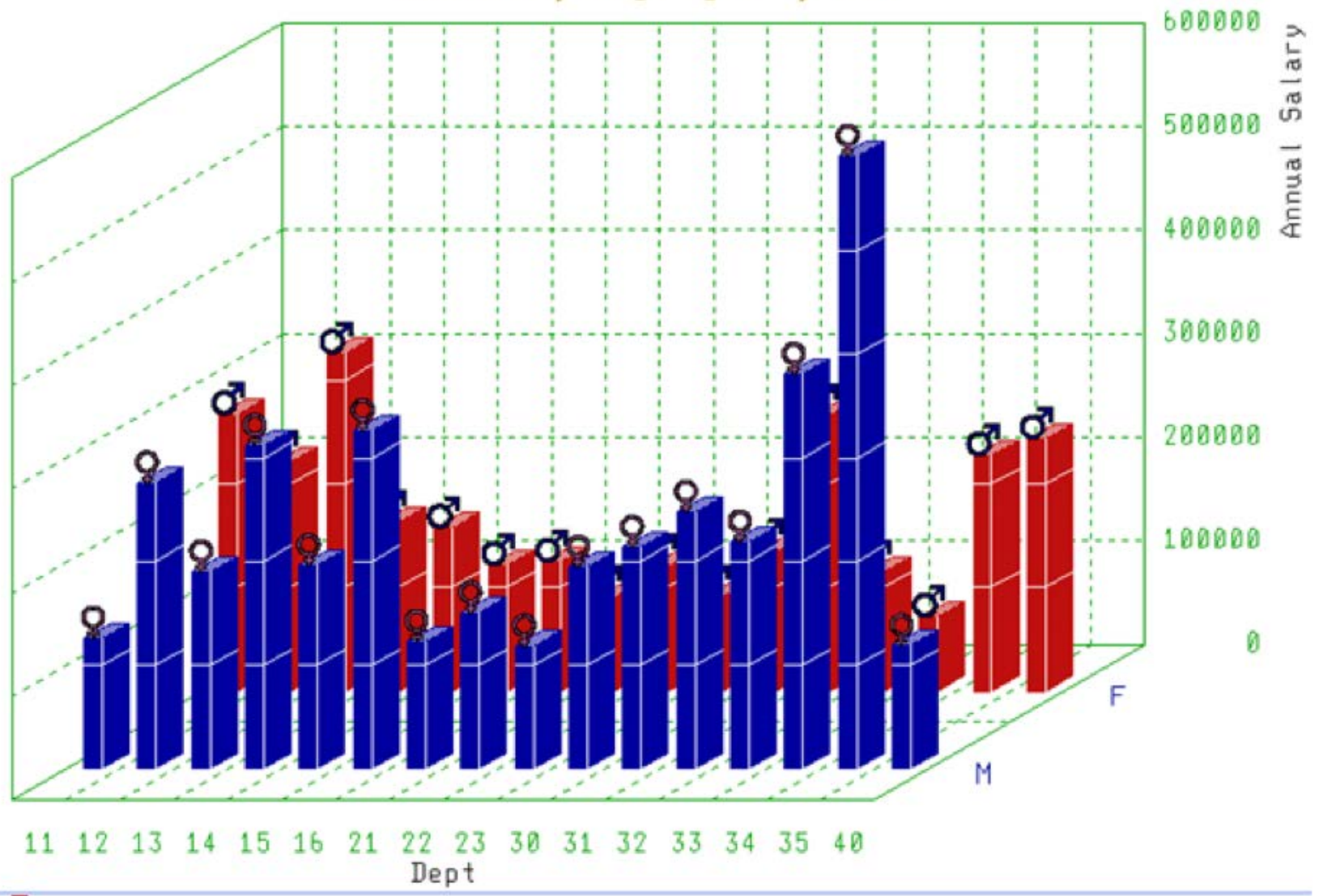
# Charts

- Specification table
- Used for creating business charts
  - Pie, Line Plot, Histogram
  - etc.
- Create/select from:
  - 'Charts' under 'Facilities' menu
  - A command, e.g.:
    - pie turnover,area*
    - histogram sales,month*
- Customize using:
  - 'Charts' action bar/menus

# Tower chart example



Salaries by Dept split by Sex



# Topic 6

- ./ Some AS concepts
- ./ Data retrieval/analysis - View/Select etc.
- ./ Data manipulation - Copy/Sequence etc.
- ./ The AS Data Dictionary - Tables/Columns
- ./ Other presentation styles - Reports/Charts
- **Organizing your AS work - Procedures & Workplaces**
- Starting/Ending AS
- Other useful things

# Procedures

- Command table
- Used for:
  - Automating sets of commands
  - Building complete applications
- Create/Select/Edit:
  - 'Edit command table' under 'Facilities', or
  - Command (see next slide)

# Procedures (cont'd)

*Commands for creating/modifying procedures:*

- Create a new procedure 'myproc1':  
**procedure** *input,output*  
**procedure** \*, myproc1
- Modify 'myproc1', creating 'myproc2'  
**language** *input,output*  
**language** myproc1,myproc2
- Modify 'myproc2'  
**language** *name*  
**language** myproc2



# Procedure example

Command tables	Data	Actions	Locate	Exit
PROCEDURE Proc1,Proc1			Origin	1
/* Select Sales for ISO products				
In Admin.Plan/SalesYTD				
Out Temp1				
Select Sales>0 & ProdGrp='ISO'				
Sequence ProdCode,-Month				
/* Add Code descriptions and calculate Value				
Include Admin.Plan/Codes				
Out Temp2				
Let Sales Value=Units*RRP				
Copy ProdCode,Month,Code Desc,Sales Value				
/* Create Sales Report				
Run Admin.Plan/SalesRep				
/* Purge temporary tables				
Purge Temp1,Temp2				

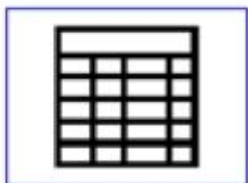

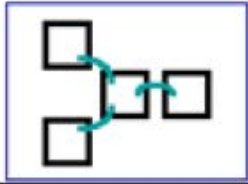
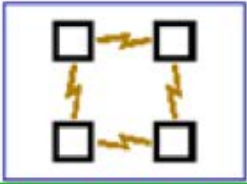
# Workplaces

- Specification table
- Used for creating:
  - Personal ‘desktops’
    - *launch applications*
    - *view data tables*
    - *execute AS commands*
  - Application menus
- Create/select from:
  - ‘Actions’ menu
- Customize using:
  - ‘Context menus’ (PF6)

# Workplaces – an example

Facilities Data Dictionary Actions Exit Help

Papillon MIS WorkPlace

 <b>Principal Data tables</b> Book sales Book authors Book titles	 <b>Reports/Charts</b> Revenue by Style/Format Units sold YTD Top 10 best-selling authors
 <b>Data Maintenance Procedures</b> Update sales figures Enter new titles/authors Calculate YTD Revenue	 <b>Office Functions</b> Check Mail Create/send new mail Prepare graphic document

Terminate AS session      Log off  
PF1=Help PF3=Cancel PF6=Options PF9=Switch PF11=Select PF12=Cancel

# Topic 7

- ./ Some AS concepts
- ./ Data retrieval/analysis - View/Select etc.
- ./ Data manipulation - Copy/Sequence etc.
- ./ The AS Data Dictionary - Tables/Columns
- ./ Other presentation styles - Reports/Charts
- ./ Organising your AS work - Procedures & Workplaces
  - **Starting/Ending AS**
  - Other useful things

# Startup options

- A command or a command table can be executed automatically as you start AS

Select 'Application' from 'Dictionary' menu

- Under 'Initial Action', you can either:
  - Click 'Command' and then enter a command in the window, e.g.:  
**screen mouse(graphics)\_synonym recover(mysyn)**
  - *or:* Click 'Table' and then select a command table from the list

# The Application window

Facilities Data Dictionary Actions Exit Help

Application

Application  
Share . . . . . Yes No  
Comment  
Demonstration tables

Initial Action  
Table Command None

Initial Language

Brasil-Portugues	Canada-Francais	Dansk	Deutsch
English	Espanol	Francais	Hebrew
Italiano	Japanese	Korean	Nederlands
Norsk	Suomi	Svenska	S/Chinese
T/Chinese	Default		

Enter PF1=Help PF11=Select PF12=Cancel

1 Help      2 Run      3      4 Print      5 Recall      6 Toggle  
7 Up      8 Down      9      10      11 Select      12 Command

# Terminating your AS session

- To terminate AS and return to your host system:  
**end as**
- To terminate the current AS application (code) and return to the list of applications:  
**end app**
- To switch to another application code (e.g., 'test') without terminating AS:  
**end app(test)**

# Topic 8

- ./ Some AS concepts
- ./ Data retrieval/analysis - View/Select etc.
- ./ Data manipulation - Copy/Sequence etc.
- ./ The AS Data Dictionary - Tables/Columns
- ./ Other presentation styles - Reports/Charts
- ./ Organizing your AS work - Procedures & Workplaces
- ./ Starting/Ending AS
  - **Other useful things**



# Synonyms

- Useful for ‘personal commands’

*For example, instead of entering the commands:*

**in mydata\_run myrep\_review mylist**

*You could just enter your own command:*

**go**

- Defined using the SYNonym command, e.g.,  
**syn go,com(in mydata\_run myrep\_review mylist)**

- Parameters can be used to substitute values

*For example, using the parameter ‘?1’:*

**syn go,com(in mydata\_select ?1\_run myrep)**

*the value for the Select command can be supplied:*

**go 12**

# Synonyms (cont'd)

- Can be shorter than 3 characters, e.g.:  
**synonym A**,com(end app(?1))
- Can contain more than 1 command, e.g.:  
**synonym V**,com(in ?1\_view)
- Can be saved in an Environment spec, e.g.:  
**synonym save**(MySyns)  
*and recovered using:*  
**synonym recover**(MySyns)

# Other useful commands

- **Cancel Select** to remove row selections
- **Rename** to rename a table without copying it
- **SCopy** to copy a table and change its structure
- **Purge** to delete unwanted tables
- **Help** for Online Reference
- **Demonstrate** for AS information, worked examples, tutorials, etc.

# Topics – all done?

- ./ Some AS concepts
- ./ Data retrieval/analysis - View/Select etc.
- ./ Data manipulation - Copy/Sequence etc.
- ./ The AS Data Dictionary - Tables/Columns
- ./ Other presentation styles - Reports/Charts
- ./ Organizing your AS work - Procedures & Workplaces
- ./ Starting/Ending AS
- ./ Other useful things



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