



This presentation provides an overview of Rocket AS for people who have not used the product before.

For more information, visit the Rocket web-site at <http://www.rocketsoftware.com>. For AS support, please use the Rocket Customer Portal <http://www.rocketsoftware.com/support>.

**Topics**



- What is AS?
- Who uses AS?
- What does AS provide?
- Components of AS
- The AS user interface
- Examples
- Rocket's rôle
- Summary



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#### SLIDE NOTES.....


The topics covered in this presentation:

- Some AS concepts – an overview of AS, who uses it, what they use it for, how AS is structured, etc.
- Some methods for performing simple queries.
- Commands and facilities for manipulating data tables
- The AS Data Dictionary – the information that AS stores about your data
- More formal presentation styles using formatted text (Report) or business graphics (Chart)
- How to organise your work using Procedures (like programs) and Workplaces (like desktops)
- How to start and end an AS session
- Other useful commands and facilities

## What is AS?



- Management Information
- Decision Support
- Business Intelligence
- Application Development
- 4th Generation Language
- Database Query/Reporting
- Business Graphics
- Project Management
- Business Planning
- Statistics/Forecasting/Linear Programming
- .....

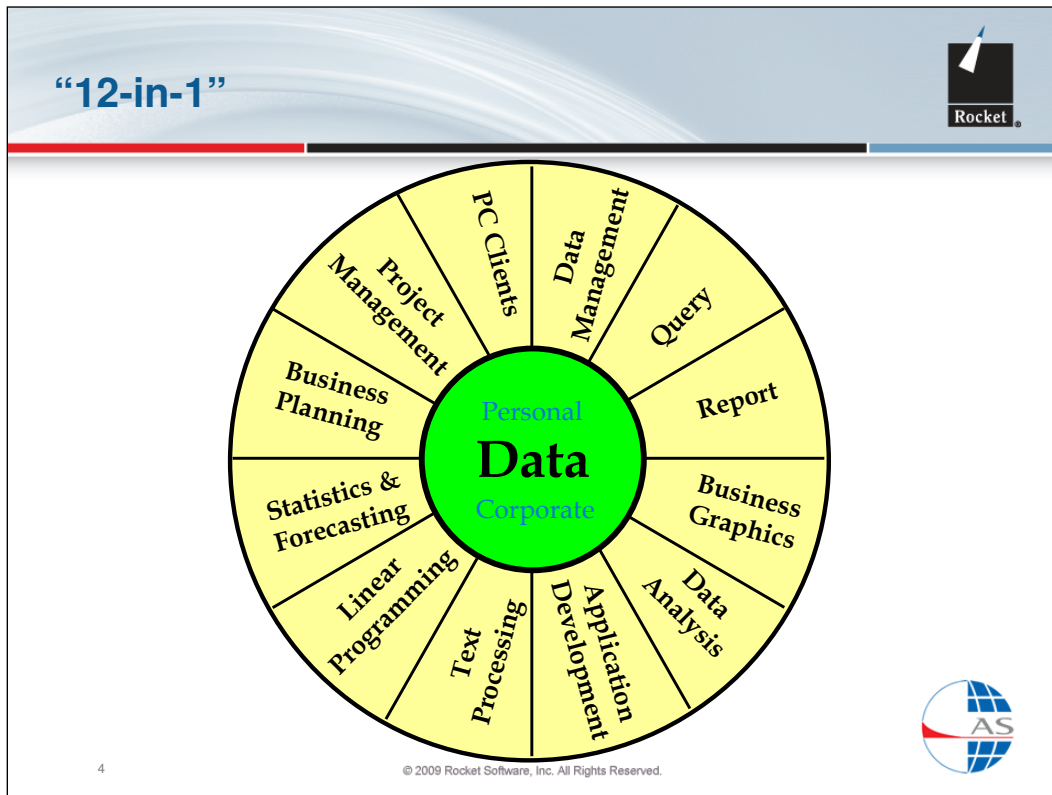


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### SLIDE NOTES.....


Rocket AS is an unusually broad product. It combines end-user functions with a rich application development language and also provides specialised solutions in Project Management, Business Planning, Statistics and LP. AS is used in countless different ways in all industry sectors but the common theme is to provide **Business Intelligence** solutions for organisations with large databases.




SLIDE NOTES.....

This diagram illustrates how the ‘modules’ of AS can all access a common database. This integration allows you to make seamless transitions from one module to another using a consistent set of data handling functions.

## Who uses AS?



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




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### SLIDE NOTES.....

AS is used by many different types of user including end-users, who value its intuitive interface for easy access to data and programmers, who value its abilities as a rapid application development tool for IBM mainframe environments.

## What does AS provide?



- Data access
  - DB2 tables
  - AS tables
  - Other files
- End-user tools
  - Query
  - Report/Chart
  - Data Analysis
  - Business Tools
- Application Development tools
  - Programming language
  - Screen Design
  - Client/Server




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### SLIDE NOTES.....


The strength of Rocket AS is its ability to access and manipulate large databases, especially DB2, and to provide a wide range of tools for querying and analysing data for presentation as vital business information. The application development language ranges from simple automation of AS commands to full-scale bespoke applications, including operation by PC clients.

## Components of AS



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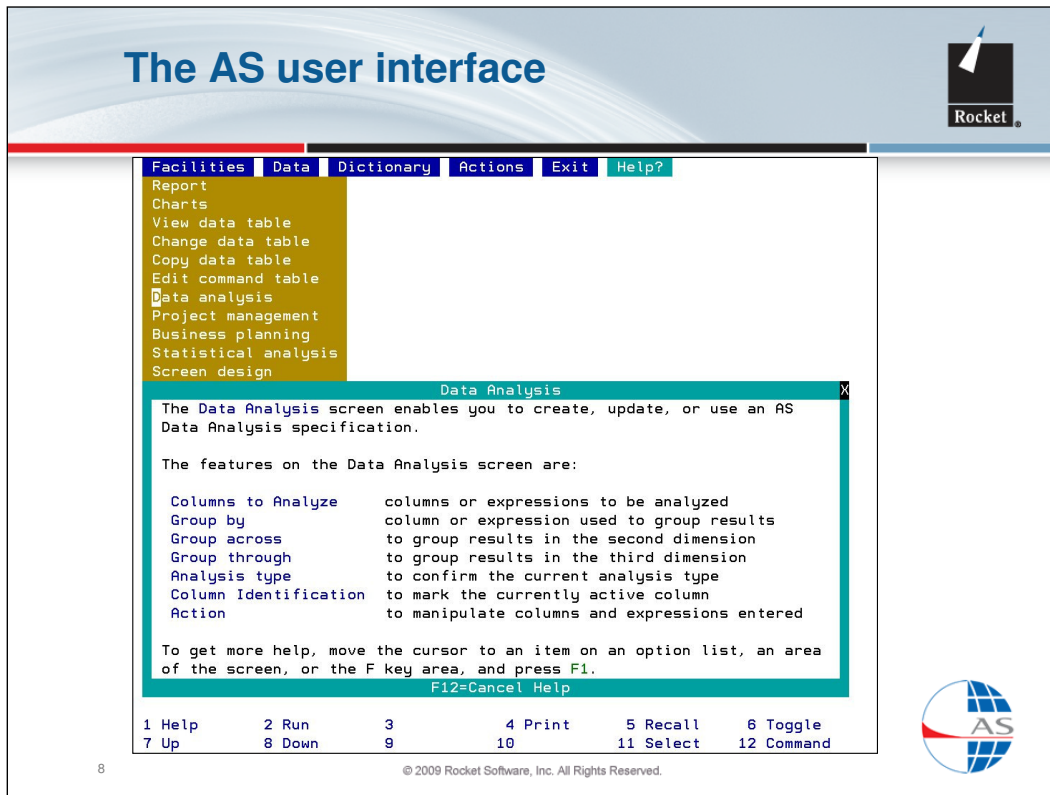
- **Server (z/OS and z/VM)**
  - Base product: Data Access, Query, Reporting, Charts, Data Analysis etc.
  - Business Tools
    - Project Management
    - Business Planning
    - Statistics & Forecasting
    - Linear Programming
  - Info Center/Enhanced (ASICE)
- **Multi-platform Clients**
  - Rocket.Ascent
    - Graphical user interface
  - Client Connections
    - Multi-platform client support including APIs for Java and .NET
    - Command Client, ActiveX support
  - Client Applications
    - AS Explorer, FTP Printing

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### SLIDE NOTES.....

The mainframe components of AS can be used through a state-of-the-art interface (normally through a PC emulator program) or can be accessed from a PC using:

- Rocket Client Connections – a package of connection tools, including object-oriented client development APIs for Java and .NET, ActiveX support and an AS command editor for the PC.
- Rocket Client Applications – a package of additional tools, including an FTP application for using PC printers with AS.




SLIDE NOTES.....

AS has a PC-like user interface with mouse-support, action bars, pull-down menus, option windows and selection lists.

Here you see the main Action Bar with the Facilities pull-down menu displayed. The user has requested help on one of the menu items (Data Analysis) by positioning the mouse pointer and pressing mouse button 2, to reveal the help window shown.



## Easy access to data



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Data
Dictionary
Display
Exit
Help

VIEW \*\*\*DEMO/STAFF - Demonstration STAFF table

Dept	Employee Name	Annual Job	Salary	Code	Birth Date	Field of Study	Action
11	Dickinson, Edward	25,277	500	19 Apr 81	Statistics		
11	Emery, Ralph	34,436	510	8 Nov 72	Sociology		
11	Farmer, Alison	20,881	500	21 Apr 83	Mathematics		
11	Gibson, John	19,416	320	15 Jul 72			
11	Hill, James	45,792	530	17 Sep 71	Art		
11	King, Trudi	33,703	510	10 Mar 73	Drama		
11	Lennon, Madeleine	69,238	905	22 Mar 66	Business Admin.		
11	Murray, Julie	32,970	510	21 Jan 77	Economics		
11	Rawlings, Pamela	20,148	500	13 Oct 82			
11	Saunders, Sharon	36,269	510	12 Dec 65			
11	Snow, Jane	32,970	510	1 Mar 78	Mathematics		
11	Wells, Judy	17,951	420	9 May 83			
12	Carroll, Eleanor	19,416	410	17 May 83			
12	Cross, Margaret	22,348	320	13 Dec 68			
12	Duggan, Vincent	32,970	510	2 Oct 74	Mathematics		
12	Edwards, Janet	32,970	510	21 Nov 75	German		
12	Ellis, Jerry	35,169	510	18 May 71	Mechanical Engr.		
12	Hall, Ann	17,951	410	2 May 83			
12	Morton, Yvette	30,773	510	24 Jun 77	Psychology		
12	Owen, Thomas	37,002	510	28 Sep 62			
12	Parsons, Nicola	37,367	510	16 Apr 67	History		
12	Rice, Douglas	57,882	530	27 Dec 70	Mechanical Engr.		
12	Shaw, James	67,406	905	17 Nov 72	Business Admin.		
12	Shepherd, John	20,881	500	19 Nov 79	Business Admin.		
12	Smith, Carl	21,981	500	5 Feb 73	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


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SLIDE NOTES.....


AS allows easy access to your data with a number of user-friendly tools.

This is an example of performing an *ad hoc* query using the **View** facility, by simply selecting the data columns required. This view can be further extended by adding row selection criteria (see next slide).



## 'Point and Select' operation

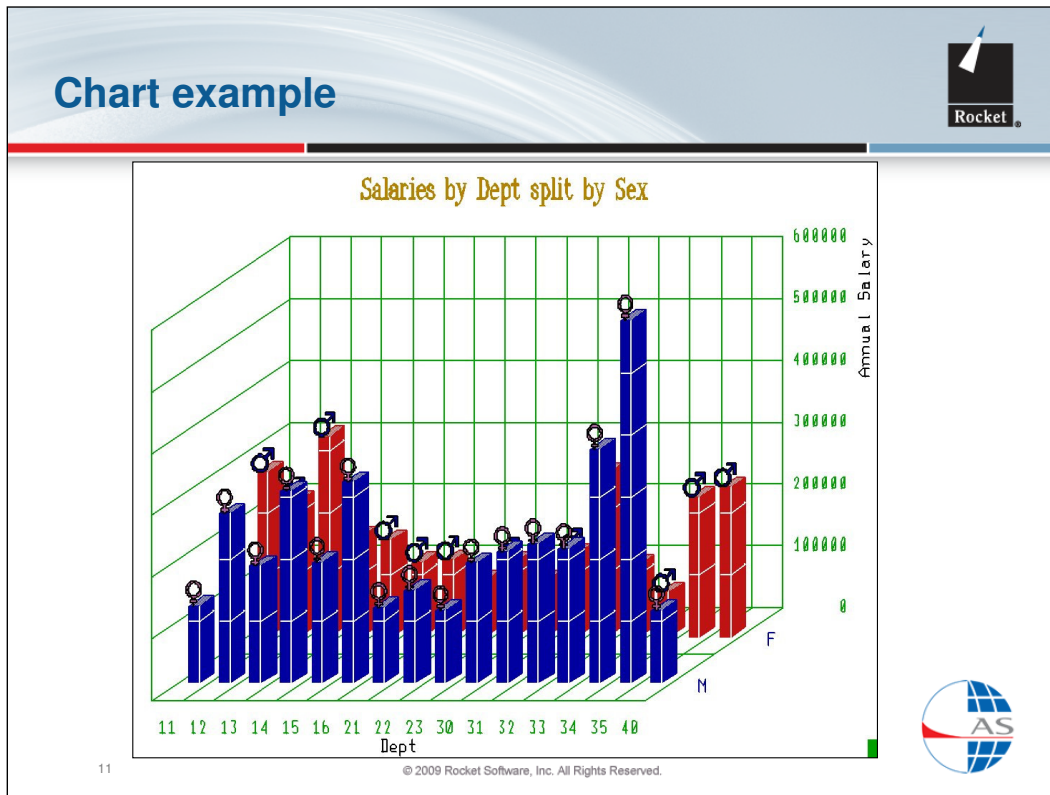
Data Dictionary Display Exit Help											
VIEW ***DEMO/STAFF - Demonstration STAFF table											
Select Rows											
No.	Selection Condition										
1	Division = 'Sales'; 'Computing'										
Enter F1=Help F4=Delete F7=Up F8=Down F12=Cancel											
11	Lennon, Madeleine 69,238 905 22 Mar 66 Business Admin.										
11	Murray, Julie 32,970 510 21 Jan 77 Economics										
In: STAFF											
No.	Column Name	Type	Size	Select Operator							
Operator Description											
1	Name	A	18	= Equal to							
2	Employee No	N	6	~= Not equal to							
3	Sex	A	1	< Less than							
4	Marital Status	A	1	> Greater than							
5	Birth Date	N	8	<= Less than or equal							
6	Division	A	16	>= Greater than or equal							
7	Department	N	3	F1=Help F11=Select F12=Cancel							
8	Telephone	N	4	psychology							
9	Hire Date	N	8	istory							
10	Source of Hire	A	18	echanical Engr.							
11	Job Code	N	3	usiness Admin.							
12	Salary Type	N	1	usiness Admin.							
13	Annual Salary	N	8.2	nthropology							
Enter F1=Help F4=Details F7=Up F8=Down F10=Next F11=Select F12=Cancel											
1	Help	2	Bottom	3	End	4	Print	5	Recall	6	Top
7	Up	8	Down	9	Switch	10	Left	11	Right	12	Command

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### SLIDE NOTES.....

Selection criteria can be specified to perform queries on your data without using a programming language.


This example shows the 'Select Rows' dialog where column names and operators can be picked from lists using a mouse to reduce the chances of user error.



SLIDE NOTES.....

Here is an example of an AS chart, using data combined from three data tables. Gross Profit and Revenue are computed and summarised by Publisher in these two pie charts. All formatting options are specified using the AS Chart pull-down menus and windows and the user does not require database skills in order to locate and combine the data.

Report example



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11 Jan 07

Gross Profit by Publisher


10:46:46

Publisher	Gross Profit	Units	Revenue	GP%
Bakers Books	£801,609	282,834	£2,729,072	29.4
Freeman & Son (UK)	£522,851	357,618	£2,868,736	18.2
Anderson-Willis & Co	£310,126	462,190	£3,350,761	9.3
Vortex Publishing	£234,597	139,238	£1,192,307	19.7
Albion Publications	£151,864	251,542	£1,470,633	10.3
Jones & Partners	£132,925	207,955	£1,443,219	9.2
Zenith Publishing	£13,313	46,748	£236,178	5.6
Harper Books Inc.	£10,228	85,947	£484,660	2.1
McDougall & Petrie	£4,500	43,823	£226,780	2.0
	£2,182,013	1,877,895	£14,002,346	15.6

Summary of Gross Profit by Publisher  
 GP% is the Gross Profit as a percentage of Revenue

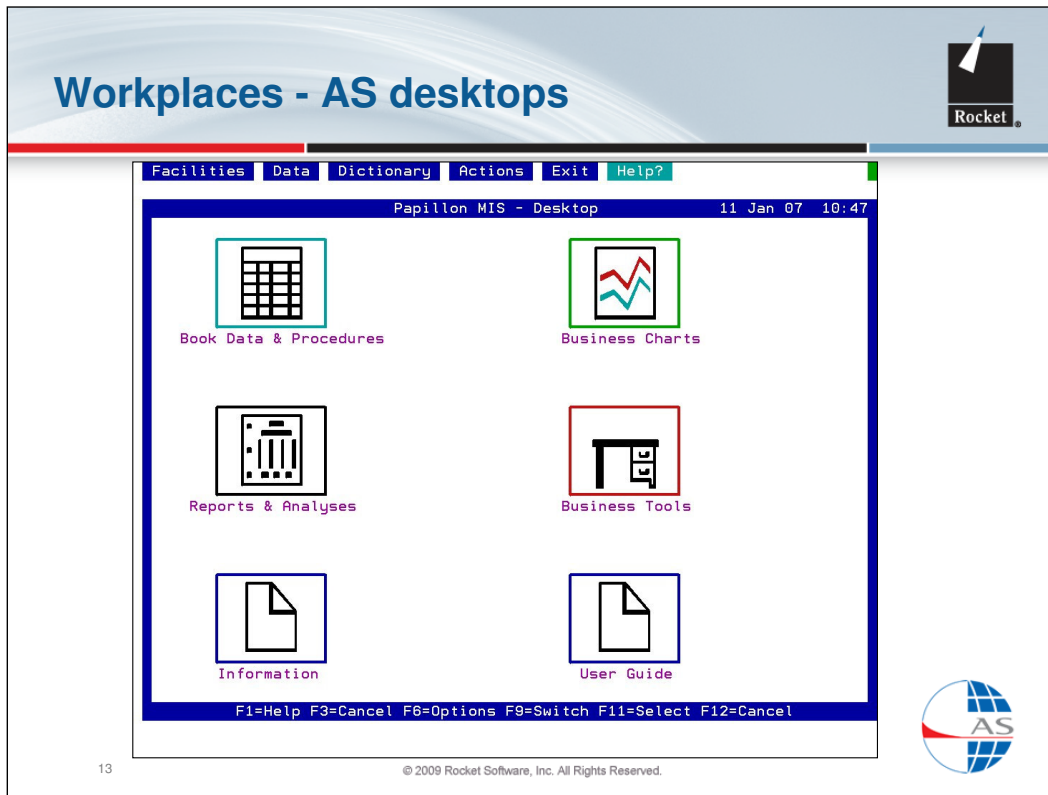
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SLIDE NOTES.....

Here is an example of an AS summary Report, using data combined from three data tables. Book sales data are computed and summarised by Publisher then ranked by Gross Profit, with the highest and lowest highlighted using suitable colours. All details are specified using the AS Report pull-down menus and windows.



### SLIDE NOTES.....

This example shows how a Workplace could provide a menu for a management information system. Graphical icons are used to divide the Workplace into areas - viewing data tables, running data procedures, creating reports and charts, using Office functions.

Creating a Workplace can usually be done in minutes and requires no programming at all. It is a similar concept to creating 'shortcuts' on a PC desktop.

The screenshot displays a web-based interface for 'Custom applications'. At the top, there are navigation tabs: 'Referenced Pages', 'Seen pages', 'Indexed pages', and 'Bookmarked pages'. The main content area is divided into two sections: 'Pages in Volumes' and 'Volumes'. The 'Pages in Volumes' section shows a list of categories with a 'New' status for each:

Category	Status
Volumes-Style	New
Volumes-Travel	New
Volumes-Romance	New
Volumes-Biography	New
Volumes-Crime	New
Volumes-Features	New
Volumes-Fiction	New
Volumes-Format	New
Volumes-Hardbacks	New
Volumes-Large	New
Volumes-Outlook	New
Volumes-Paperbacks	New
Volumes-Sci-Fi	New
Volumes-Textbooks	New

The 'Volumes' section shows a stack of documents with titles: 'Revenue', 'Analysis', 'Applications', 'Outlook', and 'More chapters'. Below the main content, there is a navigation bar with the text 'Please select a chapter or page' and a grid of numbered buttons: 1 Help, 2 Chapters, 3 End, 4 Index, 5, 6 Bookmark, 7 Up, 8 Down, 9 Mark, 10 Compare, 11 Select, 12 Previous. The page number '14' is visible in the bottom left corner, and the copyright notice '© 2009 Rocket Software, Inc. All Rights Reserved.' is at the bottom center. The Rocket AS logo is in the top right corner.

SLIDE NOTES.....

Here is an example of custom-built application created using the application development tools in AS. This example is an Executive Information System presented as 'briefing book' to provide an easy mouse-driven interface to key business results and trends.

## Rocket Software



- We develop, market and support Rocket AS and ASICE
- We provide services to Rocket AS customers:
  - Training
  - Consultancy
  - Application Development
- Rocket web-site:  
<http://www.rocketsoftware.com>
  - News & Information about products and events
  - Downloads & Documentation
  - Support & Hints
- For AS support, use the Rocket Customer Portal:  
<http://www.rocketsoftware.com/support>

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### SLIDE NOTES.....


Rocket is the sole supplier of supported versions of Application System (AS).

In addition to providing high quality, responsive AS support to our customers, we also provide services on AS-related topics, including the development of bespoke applications in AS.


Our web-site at <http://www.rocketsoftware.com> provides extensive news and information of interest to AS users.

For AS support, use the **Rocket Customer Portal** - <http://www.rocketsoftware.com/support>.

## AS Summary



- ✓ **Strong DB2 integration**
- ✓ **Unrivalled breadth and depth**
- ✓ **Excellent end-user facilities**
- ✓ **Productive Application Development tools**
- ✓ **Multi-platform clients**
- ✓ **Dedicated development and excellent support by Rocket**
- ✓ **Cost-effective corporate Business Intelligence**



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### SLIDE NOTES.....

In summary, Rocket AS provides:

- Strong DB2 integration for easy access to corporate relational databases
- Unrivalled breadth and depth of function with an integrated and consistent structure throughout
- Excellent end-user facilities with mouse support and PC-like operation
- Productive Application Development tools for building customised management information systems
- Multi-platform clients allow AS to be run transparently from other platforms and applications
- Dedicated development and excellent support by Rocket

which all adds up to .....

**Cost-effective corporate Business Intelligence**