Selected IBM AS/400 Programs Expand Functions for V4R4

Overview

Advanced Function Printing™ Utilities (5769-AF1) is a set of three utilities that support the development of advanced print applications:

• Overlay Utility
• Print Format Utility
• Resource Management Utility

Enhancements include expanded duplex printing, image handling, document design support, color, and new bar codes.

Backup Recovery and Media Services (5769-BR1) helps you implement a fully automated backup, recovery, and media management strategy. Its components consist of a standard product and two features. Each component includes an evaluation license that gives you 70 days to evaluate the component functions before a license key is required.

Performance Tools for AS/400® (5769-PT1) is a set of commands and programs that provides system managers and operators with tools for analysis, modeling, detailed reports, and graphical views of their AS/400 business computing systems.

Performance Tools for AS/400 is another keyed offering with a 70-day evaluation license period.

Key Prerequisites

OS/400® V4R4

Planned Availability Date

May 21, 1999

At a Glance

Backup Recovery and Media Services V4R4

• Adds functions and features incrementally as your business grows
• Helps shorten your backup window with parallel backup
• Manages your DASD usage through archive operations

Advanced Function Printing Utilities

• Supports tumble duplex
• Enhances image handling for IM1 and IOCA image formats
• Increases selection options in the application design function of Print Format Utility
• Adds color support for lines and boxes
• Includes new bar codes (Australian Postal)

For ordering, contact:
Your IBM representative, an IBM Business Partner, or IBM North America Sales Centers at 800-IBM-CALL

Reference: AE010

EXTRA! EXTRA! . . .

Subscribe to IBM iSource, your electronic source for customized IBM information!
Go to our web site at http://www.ibm.com/isource or send an e-mail to info@isource.ibm.com with the word SUBSCRIBE in the body.

This announcement is provided for your information only. For additional information, contact your IBM representative, call 800-IBM-4YOU, or visit the IBM home page at: http://www.ibm.com.
New Bar Code Support

- Color
- Element Selection
- Image Handling

BRMS Standard offers many of the base functions that AFP/U utilities support the development of these advanced print applications:

- Tumble Support
  - Print Format Utility, the Query for AFP utility, supports tumble duplex in addition to standard duplex.
- Image Handling
  - You can now specify two supported image formats, IOCA and IM1, in the same manner to achieve similar results.
- Element Selection
  - You can specify conditions under which any element within a record layout is printed. Selection is determined by the values of one to five variable fields in the database file.
- Color
  - You can now specify color in overlay and print application design for lines and boxes.
- New Bar Code Support
  - Support is added for Australian postal bar codes.

Backup Recovery and Media Services (BRMS) (5769-BR1)

BRMS Standard offers many of the base functions that AS/400 users need to implement a fully automated, single system setup, recovery, and media management strategy at a lower cost with an unlimited number of media, using shared tape devices, automated tape libraries, and ADSM servers.

The standard BRMS product backs up a single library or single QSYS.LIB object in parallel across any number of tape devices. Parallel backup with its easy-to-use interface lets you shorten backup windows by simply using more tape devices. Using parallel backup, with an automated tape library device, you can save a large library, for example, to all currently available resources. This function reduces the administration involved in setting up a backup strategy by eliminating the need for an administrator to design a strategy based on the current number devices and the current objects.

With BRMS Standard you can control BRMS interfaces, which allow administrators to secure the setup and function of BRMS from users not skilled in administration or use of BRMS. The functional usage model can secure the following types of functions from specific users. Each user can be allowed to use one function and not the others.

- Backup
- Archive
- Recovery
- Movement
- Media

The administrator controls specific setup such as a control group or policy. Users can use and view a policy, for instance, but not change its contents.
full set of multiple calendars, systems, and resource conditions, and more.

Management Central includes cross-system group functions that can be scheduled using the Advanced Job Scheduler:

- PTF distribution and management
- Hardware/software/PTF inventory collections
- Distribution of objects and files
- Schedule remote operations

After it is installed, the user interface for Management Central and the Advanced Job Scheduler is seamless. You can easily manage job automation across multiple systems running the Advanced Job Scheduler. For example, with the Advanced Job Scheduler on multiple systems, you can condition jobs on one system to start only when a job on another system is successful or ends in error. In addition to the previously supported SNA network environments, the Advanced Job Scheduler now supports TCP/IP. In either network environment you can perform cross-system scheduling between systems.

Performance Tools for AS/400 (5769-PT1)

Performance Tools process performance data collected via the easy-to-use, integrated, and reliable Management Central to better understand:

- How the system is performing
- How changes affect the ability to conduct daily business as well as longer-term growth requirements
- What to expect based on purchase decisions

Other enhancements include:

- More selectivity of performance reports
- Additional statistical data reported for batch jobs
- Support for Extended Adaptive Cache Simulator in performance reports
- Ability to select level of detail for reports based on either job or thread data

DB2® Query Manager and SQL Development Kit for AS/400 (5769-ST1)

The SQL precompilers support host variable types for large objects (LOBs). Programs that use embedded SQL can work with LOB data types in their SQL programs.

Wireless Connection for AS/400 (5798-TBW)

Wireless Connection is a TCP/IP sockets-based server product that connects real-time 5250 mobile devices with the AS/400. Use this application for data collection, inventory control, and data acquisition in the distribution, wholesale, retail, and manufacturing environments.

Wireless Connection adds a separate feature to support multiple instances running on the same AS/400. Large users can consolidate smaller AS/400 systems into one or more larger AS/400 data centers. If you are looking for ways of managing a large number of end-user devices from a small number of IT centers located anywhere in the world, this application is for you.

With multiple instances, you can manage 5250 mobile devices anywhere in the world. Wireless Connection also includes improved panels, messages, and menus.

For information on mobile devices that work with Wireless Connection for AS/400, visit the Wireless Web site at:

http://www.as400.ibm.com/wireless/

Facsimile Support for AS/400 (5798-TBY)

The file fax (FILFAX) command is enhanced to file received faxes as Class F TIFF objects. You can view faxes using image viewers such as those provided with Lotus® Domino™ and the SAP AL viewer.

Year 2000

This product is Year 2000 ready. When used in accordance with its associated documentation, it is capable of correctly processing, providing, and/or receiving date data within and between the twentieth and twenty-first centuries, provided that all products (for example, hardware, software, and firmware) used with the product properly exchange accurate date data with it.

Product Positioning

BRMS Positioning

BRMS introduces a new product structure, unlimited media usage, and processor-based pricing. The standard product and new features allow BRMS to be customized based on enterprise needs. BRMS is now more affordable to low-end AS/400 system users and easily upgradeable to network or HSM capability.

- Use BRMS Standard for:
  - Any stand-alone AS/400 systems
  - Any AS/400 Client to ADSM
- Use the BRMS Network feature for any AS/400 in a network that shares a common media management strategy.
- Use the BRMS Advanced Functions feature for any system that requires HSM.

Reference Information

Refer to Software Announcement 298-301, dated September 1, 1998.

Trademarks

Advanced Function Printing and AFP are trademarks of International Business Machines Corporation in the United States or other countries or both.

AS/400, OS/400, CICS, CICS/400, and DB2 are registered trademarks of International Business Machines Corporation in the United States or other countries or both.

Windows is a trademark of Microsoft Corporation.

Windows NT is a registered trademark of Microsoft Corporation.

Java is a trademark of Sun Microsystems, Inc.

Domino is a trademark of Lotus Development Corporation.

Lotus is a registered trademark of Lotus Development Corporation.

Other company, product, and service names may be trademarks or service marks of others.
IBM US
Announcement
Supplemental Information

February 9, 1999

AS/400® V4R4 Software

<table>
<thead>
<tr>
<th>Program Name</th>
<th>Program Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cryptographic Access Provider 40-bit</td>
<td>5769-AC1</td>
</tr>
<tr>
<td>Cryptographic Access Provider 56-bit</td>
<td>5769-AC2</td>
</tr>
<tr>
<td>Cryptographic Access Provider 128-bit</td>
<td>5769-AC3</td>
</tr>
<tr>
<td>AFP™ Utilities for AS/400</td>
<td>5769-AF1</td>
</tr>
<tr>
<td>Backup Recovery and Media Services</td>
<td>5769-BR1</td>
</tr>
<tr>
<td>AS/400 Client Encryption (40-bit)</td>
<td>5769-CE1</td>
</tr>
<tr>
<td>AS/400 Client Encryption (56-bit)</td>
<td>5769-CE2</td>
</tr>
<tr>
<td>AS/400 Client Encryption (128-bit)</td>
<td>5769-CE3</td>
</tr>
<tr>
<td>Point-of-Sale Utility</td>
<td>5769-CF1</td>
</tr>
<tr>
<td>Cryptographic Support</td>
<td>5769-CR1</td>
</tr>
<tr>
<td>CICS® for AS/400</td>
<td>5769-DFH</td>
</tr>
<tr>
<td>Firewall for AS/400</td>
<td>5769-FW1</td>
</tr>
<tr>
<td>Advanced Job Scheduler</td>
<td>5769-JS1</td>
</tr>
<tr>
<td>Performance Tools</td>
<td>5769-PT1</td>
</tr>
<tr>
<td>Query for AS/400</td>
<td>5769-QU1</td>
</tr>
<tr>
<td>System Manager</td>
<td>5769-SM1</td>
</tr>
<tr>
<td>DB2® Query Manager and SQL Development Kit</td>
<td>5769-ST1</td>
</tr>
<tr>
<td>Wireless Connection</td>
<td>5798-TBW</td>
</tr>
<tr>
<td>Facsimile Support</td>
<td>5798-TBY</td>
</tr>
<tr>
<td>AS/400 V4R4 programs announced in separate software announcements:</td>
<td></td>
</tr>
<tr>
<td>Program Name</td>
<td>Program Number</td>
</tr>
<tr>
<td>--------------------------------------------------</td>
<td>----------------</td>
</tr>
<tr>
<td>ILE COBOL</td>
<td>5769-CB1</td>
</tr>
<tr>
<td>VisualAge® RPG and CODE/400</td>
<td>5769-CL3</td>
</tr>
<tr>
<td>Communication Utilities</td>
<td>5769-CM1</td>
</tr>
<tr>
<td>ILE C</td>
<td>5769-CX2</td>
</tr>
<tr>
<td>VisualAge for C++</td>
<td>5769-CX5</td>
</tr>
<tr>
<td>System/38™ Utilities</td>
<td>5769-DB1</td>
</tr>
<tr>
<td>BGU</td>
<td>5769-DS1</td>
</tr>
<tr>
<td>ADTS</td>
<td>5769-PW1</td>
</tr>
<tr>
<td>OnDemand/400</td>
<td>5769-RD1</td>
</tr>
<tr>
<td>ILE RPG II</td>
<td>5769-RG1</td>
</tr>
<tr>
<td>OS/400®</td>
<td>5769-SS1</td>
</tr>
<tr>
<td>AS/400 Client Access for Windows™</td>
<td>5769-XW1</td>
</tr>
</tbody>
</table>

Also available in AS/400 V4R4:

<table>
<thead>
<tr>
<th>Program Name</th>
<th>Program Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced 36 Assembler</td>
<td>5716-ASM</td>
</tr>
<tr>
<td>Advanced 36 Basic</td>
<td>5716-BAS</td>
</tr>
<tr>
<td>Advanced 36 Business Graphics</td>
<td>5716-BGU</td>
</tr>
<tr>
<td>Advanced 36 COBOL Compiler and Library</td>
<td>5716-CBL</td>
</tr>
<tr>
<td>CallPath® Server/400</td>
<td>5769-CF4</td>
</tr>
<tr>
<td>VisualAge C++ for OS/400</td>
<td>5716-CX4</td>
</tr>
<tr>
<td>DW/36 Language Dictionaries</td>
<td>5716-DCN</td>
</tr>
<tr>
<td>Language Dictionaries for OS/400</td>
<td>5716-DCT</td>
</tr>
<tr>
<td>DCE Base Services for AS/400</td>
<td>5769-DC1</td>
</tr>
</tbody>
</table>

DCE DES Library Routines                        5769-DC3 V4R3
Advanced 36 3278 Emulation                     5716-DEM V3R7
DPROPR V5.1 for AS/400                         5769-DP2 V4R1
Advanced 36 Development Support Utility        5716-DSU V3R7
Advanced 36 DisplayWrite®/36                   5716-DWT V3R7
AFP DBCS Fonts                                  5769-FN1 V4R2
Advanced 36 FORTRAN IV                         5716-FOR V3R7
Managed System Services                        5769-MG1 V4R2
MQSeries®                                       5769-MQ2 V4R2
Advanced 36 PC Support/36                      5716-PCS V3R7
Application Program Driver                     5716-PD1 V4R3
Advanced 36 Personal Services/36               5716-PSV V3R7
Advanced 36 Query/36                            5716-QUY V3R7
Advanced 36 System Support Program             5716-SSP V3R7
Netfinity Server                                5769-SVA V4R3
Netfinity Manager™ for OS/2®                    5769-SVD V4R3
Netfinity Manager™ for Windows/95               5769-SVE V4R3
ADSM                                            5769-SV3 V4R3
Advanced 36 Utilities                           5716-ULT V3R7
VisualAge Generator Server                      5716-VG1 V3R6
VisualInfo™ for AS/400                          5769-VI1 V4R3
OfficeVision/400™                               5769-WP1 V4R2
AS/400 Client Access Family                     5769-XY1 V4R1
Warp Server for AS/400                          5769-XZ1 V4R1
AFP PrintSuite                                  5798-AF3 V3R7
Knowledge Tool Runtime                          5798-TAT V3R6
Knowledge Tool Development                      5798-TAW V3R6
NetView® FTP                                     5798-TBG V3R6
JustMail                                         5798-TBT V4R2
PRPQ — ODBC Driver Manager                     5799-FDP V3R7
PRPQ — Response Time Measurement               5799-FQQ V3R7
PRPQ — DSNX-ND                                  5799-FQR V3R7

Publications

<table>
<thead>
<tr>
<th>Title</th>
<th>Order Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>5769-SV3 Distributed Storage Manager Disaster Recovery</td>
<td>GC35-0343</td>
</tr>
<tr>
<td>ADSTAR® Distributed Storage Manager Disaster Recovery</td>
<td></td>
</tr>
<tr>
<td>Manager: Standalone Disk Image Dump and Restore Guide</td>
<td></td>
</tr>
</tbody>
</table>

Technical Information

Specified Operating Environment

Hardware Requirements: AS/400 RISC System

This announcement is provided for your information only. For additional information, contact your IBM representative, call 800-IBM-4YOU, or visit the IBM home page at: http://www.ibm.com.
Software Requirements: Version 4 Release 4 of the OS/400 operating system

Client Encryption (5769-CE1, 5769-CE2, and 5769-CE3) require Cryptographic Access Provider (5769-AC1, 5769-AC2, or 5769-AC3) to be installed on the AS/400 system.

Limitations: For OS/2-based software, including Warp Server (5769-XZ1) and Firewall (5769-FW1), the maximum IPCS memory is 512 MB.

Direct Customer Support: Direct customer support is provided by AS/400 SupportLine. This fee service enhances customers' productivity by providing voice and electronic access into the IBM support organization. AS/400 SupportLine will help answer questions pertaining to usage, and suspected software defects for eligible products.

Security, Auditability, and Control

The announced programs use the security and auditability features of the OS/400 operating system.

The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communication facilities.

Ordering Information

For ordering information refer to Software Announcement 299-023, dated February 9, 1999.

Terms and Conditions

Program Services: Available until May 31, 2001, except for the following products:

May 31, 2000

- Advanced 36 Assembler 5716-ASM
- Advanced 36 Basic 5716-BAS
- Advanced 36 Business 5716-BGU
- Graphics Utilities
- Advanced 36 COBOL 5716-CBL
- DW/36 Language Dictionaries 5716-DCN
- Advanced 36 3278 5716-DEM
- Device Emulation
- Advanced 36 Development 5716-DSU
- Support Utility
- Advanced 36 5716-DWT
- DisplayWrite/36
- Advanced 36 FORTRAN IV 5716-FOR
- Advanced 36 PC Support/36 5716-PCS
- Advanced 36 Personal 5716-PSV
- Services/36
- Advanced 36 Query/36 5716-ORY
- Advanced 36 RPG II 5716-RPG
- Advanced 36 SSP 5716-SSP
- Advanced 36 Utilities 5716-UTL
- PRPO — ODBC Driver Manager 5799-FOP
- PRPO — Response 5799-FQQ
- Time Measurement
- PRPO — DSNX-ND 5799-FQR
- Client Access Family 5769-RF1

January 31, 2001

- Knowledge Tool Runtime 5798-TAT
- Knowledge Tool Development 5798-TAW
- NetView FTP 5798-TBG
- Warp Server for AS/400 5769-XZ1

Charges

For software terms, ordering, and charges, refer to Software Announcement 299-023, dated February 9, 1999.

Call Now to Order

To order, contact the IBM North America Sales Centers, your local IBM representative, or your IBM Business Partner.

IBM North America Sales Centers, our national direct marketing organization, can add your name to the mailing list for catalogs of IBM products.

Phone: 800-IBM-CALL
Fax: 800-2IBM-FAX
Internet: ibm_direct@vnet.ibm.com
Mail: IBM North America Sales Centers
Dept. AEO10
P.O. Box 2690
Atlanta, GA 30301-2690
Reference: AEO10

To identify your local IBM Business Partner or IBM representative, call 800-IBM-4YOU.

Note: Shipments will begin after the planned availability date.

Trademarks

AFP, System/38, Netfinity Manager, VisualInfo, and OfficeVision/400 are trademarks of International Business Machines Corporation in the United States or other countries or both.

AS/400, CICS, DB2, VisualAge, OS/400, CallPath, DisplayWrite, MQSeries, OS/2, NetView, and ADSTAR are registered trademarks of International Business Machines Corporation in the United States or other countries or both.

Windows is a trademark of Microsoft Corporation.

Other company, product, and service names may be trademarks or service marks of others.