IBM SUREPOS Application Client/Server Environment Version 1 Release 2 for the 4690 Operating System — Full Function Supermarket Enhancements

Overview
Take advantage of convenient, easy-to-use, cost-effective enhancements offered by IBM SUREPOS™ Application Client/Server Environment (SUREPOS ACE) Version 1 Release 2 for the 4690 Operating System. Targeted at the North America Supermarket segment, customers with the 4680 and 4680-90 Supermarket Applications installed will be especially interested in the following enhancements.

What’s New
• Unattended Store Close.
• Interactively display the attached produce scale’s weight on terminal’s full screen.
• Ability to print on customer receipt variable print lines controlled by a variable being blank or zero.
• Track line item and department discounts by department.
• Ability to filter by transaction type/event on the Transaction Log Report.
• Filter by exception type on the Exception Report.
• Customer Loyalty “Close Points Period” Report.
• Display tender varieties on the Manager’s Audit Trail Report.
• Print selected tax table/plan in Personalization.
• Enhanced build tools allow more user code to be added to SUREPOS ACE programs.
• New Storage (Heap) Enhancements for Debugging and Problem Analysis.
• SUREPOS ACE for 4690 OS offered in French Canadian language.

For information on SUREPOS ACE V1 R1, refer to Software Announcement 298-328, dated September 15, 1998.

Key Prerequisites
• Servers include machines running the 4690 Operating System.
• Clients include IBM 4683, 4693 and 4694 running 4690 OS or Terminal Service for OS/2® or Terminal Services for Windows NT®.

Planned Availability Dates
• February 26, 1999 — Release 2
• March 19, 1999 — French Canadian Media for SUREPOS ACE for 4690 OS (5765-C44)

At a Glance
IBM SUREPOS Application Client/Server Environment V1 R2 provides:
• Enhanced set of functions for your Supermarket Application.
• Eliminates previous code integration expense and complexity by combining many functions (including checkout and electronic marketing) into one comprehensive package.
• Runs on the IBM 4690 Operating System, one of the most reliable and proven operating system platforms in the retail industry.
• Helps protect your investment in IBM hardware with support for existing IBM 4683, 4693 and 4694 terminals.
• Improves reliability and simplifies future code modifications by using modern programming tools and technology.

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Description

This application provides an open, point of sale (POS) alternative for customers wishing to minimize hardware investment and protect significant investments in hardware and software, specifically in existing 4683 and 469x hardware, store loop, and host communication interfaces.

Release 2 of SUREPOS ACE provides the following additional functions:

- **Unattended Store Close**

  This is a function that allows a store close to run automatically without operator intervention. The user can choose the times and the days of the week for the store close to run. The user can also configure all options allowed with a manual store close, including what files to close, what reports to run, and the type of close (short, long, and so on). Furthermore, the user can customize the handling of certain errors.

- **Interactively display the attached produce scale’s weight on the POS terminal’s full screen**

  This feature provides the capability for a portion of the full screen terminal display to be used as a scale display. It will constantly show the scale reading in a section of the full screen display. The section used for the full screen display will be at the lower left corner of the display, the first twenty columns of each of the last two lines. The SUREPOS ACE Full Screen Scale display has not been certified by the National Institute of Standards and Technology for use as a primary display. It can be used as a remote display in conjunction with a certified primary display, until such time as it is certified as a primary display.

- **Ability to print on customer receipt variable print lines controlled by a variable being blank or zero**

  With this feature, you will be able to customize messages with greater flexibility. The interface in print/trailers remains the same. The only thing you need to be aware of is the usage of these new print controls. You will need to ensure that the resulting message is meaningful after the substitution is done. For example, this ability can be utilized in a frequent shopper environment — when the point value is zero, the print line would be suppressed.

- **Track line item and department discounts by department**

  This feature allows you to track line item and department discounts by department. Department discounts will be added to line item discounts for the same department. This sum will be stored in the user field of the respective department records of the extended Department Totals file. The discount field of the store record in the Department Totals file will only reflect the sum of the transaction discounts in the store, and not include any department of line item discounts.

- **Ability to filter was extended with additional filtering capabilities for:**
  - Transaction type/event on the Transaction Log Report — The TLOG Report
  - Exception type on the Exception Report — Exception Log Report
  - Customer Loyalty “Close Points Period” Report

The Period Points Close Summary Report provides a summary report of the customer points available at the last close of the Preferred Customer Activity file. Some of the information in the report includes:

- How many total points were earned
- The number of customers in each of several point ranges
- How many points were not carried into the new period

- **Display tender varieties on the Manager’s Audit Trail Report**

  The Manager’s Audit Trail Report will show the various tender types.

- **Print selected tax table/plan in Personalization**

  The tax plan selection dialog in Personalization now has a new print function (in addition to the test, erase and edit functions). Making this selection will cause the selected tax plan to be printed to the line printer.

The SUREPOS ACE developers toolkit will enable customers, Business Partners and IBM service organizations to extend SUREPOS ACE, which includes rebuilding SUREPOS ACE executable code with third party extensions. This includes both controller and terminal code.

Source code is not intended to be modified by the customer and modification of SUREPOS ACE source code is not supported. To add user function, the extension methods shown in the Software Announcement 298-328, dated September 15, 1998, must be used. The source code can be used as an aid in understanding, development and debugging user extensions.

Windows NT is the development environment for the 4690 version of SUREPOS ACE. SUREPOS ACE is built using DOS and Windows NT tools. (There is no SUREPOS ACE build capability on 4690 OS.) The DOS tools can be run on Windows NT. In addition, a rich set of debug tools are available in the Windows NT environment as well as the following new tools in Release 2.

- **Enhanced Build tools allow more user code to be added to SUREPOS ACE programs.**

  Increasing the size of the SRL file and reducing the size of the 286 file will allow larger applications to be created without exceeding the 1M boundary limitation of 286 files.

- **New Storage (Heap) Enhancements for Debugging and Problem Analysis**

  This enhancement allows application developers to more easily detect memory leakage and memory corruption in their programs. The included code and tools work in both Windows NT and 4690 OS environments.

  Tool kit components include:
  - SUREPOS ACE development files
  - Build tools including 4690 specific build tools
  - DOS device simulator
  - SUREPOS ACE Programmer’s Reference

  In addition to the build tools listed above, building SUREPOS ACE requires:
  - IBM Visual Age C++ compiler (NT target)
  - Borland 4.52 C++ compiler (4690 target)
• Borland Turbo Assembler 5.0 (4690 target). This is available on their Web site at:
  http://www.inprise.com
• Opus Make file processor

The base SUREPOS ACE offering includes support for cash and check transactions. Check transactions may be validated against a local file. Electronic tender support such as debit, ACH, and EBT can be provided in a variety of ways, whichever best matches the retailers needs. The option exists to integrate existing third party electronic payment packages, to employ the IBM National Retail Services Center (NRSC) to create a customized payment solution or utilize IBM SUREPOS ACE Electronic Payment Support for 4690 OS (PRPQ). IBM SUREPOS ACE Electronic Payment Support for 4690 OS (PRPQ) is separately available as a PRPQ that has also been enhanced with second release functions including TCP/IP support and MICR reader attached to the PIN pad. Refer to PRPQ P85587 (Product Number 5799-RHG).

**Year 2000**

These products are Year 2000 ready. When used in accordance with their associated documentation, they are 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 products properly exchange accurate date data with them.

**Product Positioning**

IBM SUREPOS Application Client/Server Environment for 4690 OS is a follow on to the 4680 and 4680-4690 Supermarket Application. Customers can migrate from these environments.

**Hardware and Software Support Services**

*SmoothStart™/Installation Services:* IBM SmoothStart or Installation Services will not be provided for IBM SUREPOS Application Client/Server Environment for 4690 OS.

**Reference Information**


**Trademarks**

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Education Support

The following self-study courses will be available on the following dates:

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<th>Title</th>
<th>Course Availability Date</th>
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<tr>
<td>ACE Differences</td>
<td>March 12, 1999</td>
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Visit the following Web site and select NEWS/EVENTS for information:

http://www.ibm.com/solutions/retail

Descriptions of all self-study courses are contained in Software Announcement 299-038, dated February 23, 1999.

Technical Information

Specified Operating Environment

Software Requirements: SUREPOS™ ACE requires the 4690 OS V1 at maintenance level 9820 or later, or 4690 OS V2 when running on a server.

When running on a client, the software prerequisite includes either:

- 4690 OS V1 at maintenance level 9820 or later
- 4690 OS V2
- Terminal Services for OS/2® (PRPQ P85522, 5799-QXN) with APAR IR37680
- Terminal Services for Windows NT® (5639-C72) with APAR IR37678

The SUREPOS ACE toolkit requires:

- Windows NT
- IBM Visual Age C++ compiler (NT target)
- Borland 4.52 C++ compiler (4690 target)
- Borland Turbo Assembler 5.0 (4690 target) which is available on their Web site at:
  http://www.inprise.com
- Opus Make file processor

MGV 4690 Rapid Reports requires Windows NT or Windows™ 95 for the layout of reports. The generated report code runs on 4690 OS V1.

The IBM SUREPOS Application Client/Server Environment Source can be viewed with a text editor.

The IBM SUREPOS ACE Electronic Payment Support for 4690 OS (PRPQ) is available as PRPQ P85587 (5799-RHG) and IBM SUREPOS ACE Electronic Payment Support Source is available as PRPQ P85588 (5799-RHH).

Ordering Information

New Licensees

For ordering information on the base programs, IBM SUREPOS Application Client/Server Environment for 4690 OS and IBM SUREPOS Application Client/Server Environment Source, refer to Software Announcement 298-328, dated Sept 15, 1998.

Orders for new licenses can be placed now. Shipment will begin on the planned availability date.

New users of IBM SUREPOS Application Client/Server Environment for 4690 OS should specify:

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New users of IBM SUREPOS Application Client/Server Environment Source should specify:

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The following ordering information is for the updated basic machine-readable material, including the new media feature numbers being announced for the French Canadian language.

Basic Machine-Readable Material: To order for SUREPOS ACE Environment for 4690 OS (5765-C44), select the feature number of the desired distribution medium:

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<th>Environment</th>
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<tr>
<td>For 4690 OS English</td>
<td>5805</td>
<td>3 1/2-inch diskettes</td>
</tr>
<tr>
<td>For 4690 OS French Canadian</td>
<td>5815</td>
<td>3 1/2-inch diskettes</td>
</tr>
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Unlicensed Documentation: One copy of the following publications is supplied automatically with the basic machine-readable material for the product indicated:

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<tr>
<th>Title</th>
<th>Order Number</th>
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<tr>
<td>SUREPOS ACE Planning and Installation</td>
<td>GC30-3920</td>
<td>5765-C44</td>
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<tr>
<td>SUREPOS ACE Guide to Operations</td>
<td>GC30-3921</td>
<td>5765-C44</td>
</tr>
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</table>

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.
Title: SUREPOS ACE Programming Reference
Order Number: SC30-3922
Product Number: 5765-C44

Title: SUREPOS ACE Licensed Program Spec
Order Number: GC30-9873
Product Number: 5765-C44

Title: Borland Turbo Vision for DOS Programmer’s Guide
Order Number: SC30-3980
Product Number: 5765-C44

Title: Rogue Wave Introduction and Reference Manual Tools.h++
Order Number: SC30-3997
Product Number: 5765-C44

Title: Licensed Program Specification for SUREPOS ACE Source Code
Order Number: GC30-9686
Product Number: 5697-D82

Additional copies of unlicensed publications are available for no charge from the following Internet address:

http://www.ibm.com/solutions/retail

1. Select Support
2. Select Publications
3. Select Software Publications
4. Select SUREPOS ACE

**Displayable Softcopy Publications**

The following Displayable Softcopy Publications are available:

- Planning and Installation Guide
- Guide to Operations
- General Information Manual
- Programming Reference

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Between major revisions of these manuals, maintenance updates to these manuals will be available at this Internet address.

Subsequent updates (technical newsletters or revisions between releases) to the publications shipped with the product will be distributed to the user of record for as long as a license for this software remains in effect. A separate publication order or subscription is not needed.

**Terms and Conditions**

The terms for IBM SUREPOS Application Client/Server Environment for 4690 OS and IBM SUREPOS Application Client/Server Environment Source, as previously announced (Software Announcement 298-328, dated September 15, 1998), licensed under the IBM Customer Agreement are unaffected by this announcement.

**Program Currency:** IBM SUREPOS Application Client/Server Environment for 4690 OS (5765-C44) Version 1 Release 1 and IBM SUREPOS Application Client/Server Environment Source (5697-D82) Version 1 Release 1

- Available Until — January 31, 2001

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Current charges are unaffected by this announcement.