

# EXCEL-ERATOR

Enhancement Summary V1R6M0  
Program Number 2A55XL1

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**Sixth Edition (June 2006)**

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## Installation Instructions

### Restoring the new release

Read the Enhancement Summary to determine if any changes affect your installation.

Follow these instructions to install Excel-erator V1R6M0 on your iSeries Server:

**Note:** If you have downloaded this software from the web, instructions specific to installing from the download can be found in the file "readme.htm" which is included in the download.

1. Sign on to the system as the security officer (QSECOFR).
2. Verify that your machine is at i5/OS V5R2M0 or later by running:

```
DSPDTAARA DTAARA(QGPL/QSS1MRI)
```

**Note:** If you are running a version of i5/OS earlier than V5R2M0 you can not install Excel-erator V1R6M0 on your machine. You must install an earlier version of Excel-erator or upgrade the operating system.

3. Verify that user domain objects are allowed in the libraries XLERATOR and QSRV, by running:

```
WRKSYSVAL SYSVAL(QALWUSRDMN)
```

Take option 5 to display the value. If the value is not \*ALL, use option 2 to add libraries XLERATOR and QSRV to the list of libraries where user domain objects are allowed.

4. Mount the distribution media in the appropriate device.
5. Submit the Restore Licensed Program (RSTLICPGM) command to batch:

```
RSTLICPGM LICPGM(2A55XL1) DEV(device-name) LNG(2924)
```

**Note:** "device-name" is the device the media was mounted on and is usually OPT01.  
**Note:** You may receive message CPA3DE4 "Directory not registered. (C G)" (three times). If so, take option "G".

6. Enter your permanent authorization code.
7. Determine which PTFs were included on the media by entering the following command:

```
DSPPTF LICPGM(2A55XL1)
```

8. Visit [www.gumbo.com](http://www.gumbo.com) to determine if newer PTFs are available.

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## Enhancements For Excel-erator V1R6M0

### What's In This Section

This section provides information on Excel-erator enhancements for the current release, notes any customer code implications, and describes where to find more information when applicable.

### Password Protection Added

A new parameter, File sharing (FILESHARE), has been added. The parameter specifies how the generated spreadsheet is secured. Each element corresponds to an Excel setting accessible from the "Save As" dialog.

**Note:** Excel security is notoriously insecure and may not be suitable for all environments.

The possible values are:

#### Element 1 Password to open CHAR(15)

Specifies the case sensitive password required to open and decrypt the file. If a password is not specified, the file is not encrypted and can be opened by anyone.

#### Element 2 Password to modify CHAR(15)

Specifies the case sensitive password required to update the file. If a password is specified and someone changes the file without the password, that person can save the file only by giving it a different name. If a password is not specified, the file can be updated by anyone. This password does not cause the file to be encrypted.

#### Element 3 Read-only recommended CHAR(1)

When \*YES is specified, users get a read-only (read-only: A setting that allows a file to be read or copied but not changed or saved.) recommendation when they open the file. This does not prevent users from opening the file as read-write so that they can edit and save changes.

### Now Edits Number Of Fields

Previously the number of fields being included in the spreadsheet was not edited. This allowed creation of invalid spread sheets with more than the Excel allowed maximum 256 columns. Now an error message is issued and the conversion terminated.

### Dates Stored In 1900 Format

Biff provides for two different date formats, "1900" and "1904". Excel-erator was correctly storing dates in the 1904 format. However, Excel defaults to the 1900 format and doesn't accurately convert between the 2 during cut and paste operations. To avoid the problem, dates are now stored in the 1900 format.

Excel erroneously believes that 1900 was a leap year, which it is not. Consequently, dates between 1900/01/01 and 1900/03/01 are mishandled by Excel. To avoid the problem, Excel-erator stores dates before 1900/03/01 as character literals in the generated spreadsheet.

## Character Fields Blank Trimmed

Previously character (alpha) fields were copied verbatim, including trailing blanks, to the spreadsheet cell. The fields are now blank trimmed to reduce file size and more closely resemble Excel generated spreadsheets.

## Addressing Enhancement

The requirement for a primary recipient has been removed. You can send e-mail entirely to Blind Ccs or Ccs as long as at least one recipient of any is specified.

## \*CURRENT Added to CC(), BCC(), And REPLYTO()

A new special value, \*CURRENT, has been added to the CC(), BCC(), and REPLYTO() parameters of the SNDSPLMAIL command. When specified, the e-mail address associated with the sending user profile is substituted.

## Product Integrity Enhancements

Objects and the save files that contain them are digitally signed by Gumbo when they are created on our development system. You can verify that their contents have not been altered or corrupted since they were produced. You do this by first importing the our root certificate authority (CA) and object signing certificates to your system and then running the Check Object Integrity (CHKOBJITG) command against them. For detailed instruction on importing certificates for signature verification using the CHKOBJITG command, see IBM's manual "Digital Certificate Manager RZAH-U000".

**Note:** We uniquely name our digital certificates to simplify their management on your system. If you have previously imported digital certificates from us with the same name as those included in this package, you do not need to repeat this step.

Certificates can be found in downloads that contain save files as well as in the product's /doc directory after it is installed.

## Ping SMTP Mail Server (PINGMAIL) Command Enhanced

The Ping SMTP Mail Server (PINGMAIL) command has been enhanced to include a from address and to allow SMTP authentication username and password.

Previously, only one e-mail address was accepted by the command and it was used as both the originator and the recipient of the test message. This limited some of the cases of SMTP server behavior that could be test.

Some internet service providers require SMTP authentication before they will accept outgoing e-mail from an account. To date, IBM has not implemented this in i5/OS's SMTP stack. When a username and password are specified, PINGMAIL uses them to perform SMTP authentication (PLAIN only). In many cases, you can use this feature to perform SMTP authentication for your eServer i5 (iSeries) and i5/OS's SMTP stack will then be able to use the connection to send e-mail through the internet service provider.

## **Authorization Component Corrections And Updates**

- o Check Excel-erator Authorization (CHKXL1AUT) command added. The command exercises the product's authorization verification function. This allows you to determine whether the product is authorized for use. If the product is not permanently authorized, the generated messages allow you to determine when the temporary authorization will expire. You may specify a message queue to receive messages generated when the product is not permanently authorized.

## **Integrated File System Component Corrections And Updates**

- o Functions and parameters to allow the updating of stream files have been added.
- o New \*INHERIT special value was added to the Data authorities (DTAAUT) parameter. When specified the \*PUBLIC and other authorities to the object are copied as follows. The owner, primary group, and public data and object authorities (\*R, \*W, \*X, \*OBJEXIST, \*OBJMGT, \*OBJALTER, and \*OBJREF) are copied from the parent directory's owner, primary group, and public data and object authorities. In addition, the private authorities (if any) and authorization list (if any) are copied from the parent directory. If the new file has a different owner than the parent directory and the new file's owner has a private authority in the parent directory, that private authority is not copied from the parent directory. The authority for the owner of the new file is copied from the owner of the parent directory.

## **Send Mail Component Corrections And Updates**

- o Removed requirement for a primary recipient. This allows all recipients to be specified as CCs or BCCs only.
- o Implemented RFC3490 Internationalizing Domain Names in Applications (IDNA). This allows mailing to domains that contain non US-ASCII characters for example schöpe.de.
- o E-mail address parser now supports use of characters outside the US-ASCII range.
- o E-mail address processor now supports \*CURRENT special value for CC(), BCC(), and REPLYTO() parameters.
- o E-mail address processor now allows multiple comma separated addresses per address line. This is handy, for instance, for passing more than one address out of a user written address mapping program.

