



# SOLUTIONS



**For users of MultiValue products in Australia,  
New Zealand & South East Asia**

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## U2 Phantom Licensing Changes

Due to the increasing use of APIs that allow PHANTOMS to interactively solicit user input, IBM is implementing changes to the way licenses are consumed.

The original intent of PHANTOM licenses was for background processing such as batch file updates, report generation and other similar forms of processing where user intervention was not required. In fact, PHANTOMS will abort if they encounter an INPUT statement. However, with the introduction of the CallHTTP and Sockets interfaces as well as support for Secure Sockets, XML, MQ and SOAP in recent releases, PHANTOMS have inadvertently acquired the ability to interactively obtain user input without consuming a database license.

IBM will be rolling out patches to address this issue and enhance its current licensing mechanisms. IBM has defined certain restricted Basic functions that will affect whether or not a PHANTOM consumes a database license. A PHANTOM that does NOT use one of the restricted functions will NOT consume a database license; that is, it will work as it always has.

A PHANTOM that calls a Basic program that uses one of the restricted functions will consume a single database license. The license will be consumed as soon as the use of the restricted function is detected. Multiple calls to restricted functions from within a single PHANTOM process will NOT result in multiple licenses being consumed.

Once a license is consumed it will be released only when the PHANTOM process exits. PHANTOMS that consume a database license will reduce the available user count just as if a user started a U2 shell process interactively.

The BASIC functions that will cause a PHANTOM process to consume a license are:

- = Sockets:
  - openSocket(),
  - openSecureSocket(),
  - initServerSocket(),
  - initSecureServerSocket()
- = WebSphere MQ:
  - amInitialize()
- = callHTTP:
  - submitRequest()
- = SOAP:
  - SOAPSubmitRequest() *(con't page 2)*

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There is no additional setup on the part of the user. IBM will provide mechanisms for the user to determine if a license is being consumed by an interactive shell user or an "interactive" PHANTOM (aka iPHANTOM).

This change will be implemented in the following patch releases:

UniVerse 10.0.21 and higher  
UniVerse 10.1.1 and higher  
UniData 6.0.x and higher (TBD)  
UniData 6.1.0 and higher

## TO SUMMARISE:

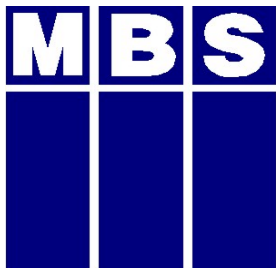
U2 will now consume a database license for each PHANTOM that uses any of the following BASIC functions:

- = openSocket(),
- = openSecureSocket(),
- = initServerSocket(),
- = initSecureServerSocket(),
- = amInitialize(),
- = submitRequest(),
- = SOAPSubmitRequest()

Once a PHANTOM becomes an iPHANTOM, the license is returned when the iPHANTOM terminates. Only one license is consumed by any iPHANTOM, regardless of the number of BASIC calls made within the application it runs.

U2 commands that display license usage will be enhanced to display iPHANTOM information.

One iPHANTOM license equals one database license.



For further information, please contact [sales@mbs.net.au](mailto:sales@mbs.net.au) or your account manager.

## U2 PRICE ANNOUNCEMENT

IBM has announced a general revision of U2 pricing. All products, with the exception of SB+ and System Builder 5.1, have benefited from a reduction in pricing which comes into effect on 1<sup>st</sup> May 2004.

Included in the new pricing announcement is special pricing for trade-ups from non-U2 Multi Value database products to U2 workgroup, server or enterprise editions.

For more information, please contact your reseller, local MBS account manager, or email [sales@mbs.net.au](mailto:sales@mbs.net.au)

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## UPGRADE TIME?

Running on DG hardware and looking to upgrade your existing U2 product versions?

Unsure about the best way to achieve this?



Then contact [sales@mbs.net.au](mailto:sales@mbs.net.au) for more information.

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## IBM SB+/Client v5.3.4 Patch Release Available

The much anticipated v5.3.4 patch release of SB+ and SB Client is now available for shipping. This release offers a number of features including:

- Microsoft Word document merge and print functionality improvements
- Report Writer "Totals-only" report generation
- More comprehensive screen definition report content
- Additional status information from data selection and printer select processes, for the application to use
- Issues related to GUI grids have been resolved.

If you are currently developing and providing SB+ based solutions, you'll want to be sure to upgrade to this latest release.

For further information, please contact [sales@mbs.net.au](mailto:sales@mbs.net.au)

## UniData TechTip

If you are having problems with record locks and deadly embraces, you can use the command LIST.QUEUE to list all the processes that are waiting on a read lock

```
LIST.QUEUE
FILENAME      RECORD_ID    M OWNER      UNBR    UNO  TTY    TIME    DATE
\FLEETSMART\  POR222*V    X VP18505    1258    7    pts/7  09:56:11 08/03
-----
FILENAME      RECORD_ID    M WAITING    UNBR    UNO  TTY    TIME    DATE
\FLEETSMART\  POR222*V    X VY01178    1369    15   pts/15 09:56:21 08/03
```

Everything above the line shows the records that are locked and the user who has them locked. In the example above, user VP18505 has record POR222\*V locked.

Everything below the line shows any process that is waiting on a locked record.

In the example shown, user VY01178 is waiting for record POR222\*V to be released.

If a program does a READU that has a LOCKED clause, the program would go down the clause path. But where a program does a READU and does not have a LOCKED clause, the program will simply loop around reading the record until it is released.

## UPCOMING TRAINING COURSES

As part of our commitment to deliver quality services to our clients, MBS offers a number of training courses for IBM U2 products. These standard courses are available in Sydney, Melbourne and New Zealand. For customised courses or more information regarding standard courses or location details, please contact your local account manager or email [training@mbs.net.au](mailto:training@mbs.net.au)

### **SBCClient Tech Alert!**

Installing SBCClient version 5.3.X on workstations that have any SBCClient version 4.X or older, will make SBCClient version 4.X switch into DEMO mode (including any SBCClient version 4.X installed on the same LAN). If upgrading to version 5.3, we recommend that all workstations using SBCClient version 4.X be upgraded at the same time.

For further information please email [info@mbs.net.au](mailto:info@mbs.net.au).

### **mvQuery product update**

Meier Business Systems recently held 3 mvQuery product briefings. Many customers took the opportunity to learn about this exciting tool, which has been specifically created to access, present and disseminate information within MultiValue databases.

Should you like to learn more about mvQuery, please contact your account manager, or email [sales@mbs.net.au](mailto:sales@mbs.net.au).

mvQuery- the tool for unlocking your data

## 2004 IBM Infrastructure Roadshow

IBM's 3rd annual event attracts approx 1500 IT contacts and partners across Australia and is an opportunity to learn about, and explore IBM's full breadth of Operating Environment solutions.

This is the only event to cover IBM's offerings across all of their business unit's including:

- personal computing
- servers
- storage
- software
- services.

The day will address the key issues of Return On Investment, Productivity and Risk and Resiliency through strategic and technical overviews, technical sessions, and technology demonstrations.

Note the following dates in your diary:

Location	BP Demo Showcase	Event Date
<b>Canberra</b>	Mon 10th May	Tues 11th May
<b>Adelaide</b>	Tues 18th May	Wed 19th May
<b>Perth</b>	Wed 26th May	Thur 27th May
<b>Melbourne</b>	Wed 2nd June	Thurs 3rd June
<b>Sydney</b>	Mon 7th June	Tues 8th June
<b>Brisbane</b>	Tue 16th June	Wed 16th June

For further information please email [info@mbs.net.au](mailto:info@mbs.net.au)

## REMINDER TO UPDATE YOUR RECORDS

For MBS' Melbourne Office

MBS' head office in Melbourne has now settled into their new home in Carnegie. We are finding, however, that a number of customers are still sending mail to our old office address. Please be advised that we are no longer using a PO Box, and all mail should be forwarded to our new address:

50-54 Grange Rd  
Carnegie 3163

Please also note our new phone and fax numbers:

Phone: 03 9571 3111

Fax: 03 9571 3222

Updating your records with these details is important, as it will ensure that we receive all correspondence in a timely manner.

Please contact Rachell Raynor via 1300 793 333 or [Rachell.Raynor@mbs.net.au](mailto:Rachell.Raynor@mbs.net.au) should you require further information or have any queries.

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### Shortcuts for Microsoft Word!

1. Shift + F3 ... changes the case of selected text from UPPER to lower to Title Case
  2. Ctrl + W ... closes the document
  3. Automate common blocks of text (such as your signature block) ... Select the text first, then press Alt+F3. Type an abbreviation and press Enter. The next time you need that block of text, simply type the abbreviation and press F3 once
  4. Shift + F7 ... brings up the thesaurus for the selected text
  5. Triple click on a paragraph to select it
  6. Ctrl + backspace to delete a word to the left
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## SB Tech Tip

### USING SB.INPUT CALL INSIDE AN SB+ GUI APPLICATION.

In order to create a form to display and capture the input, set the COL and ROW variables to NULL when using the following subroutine:

*CALL SB.INPUT(COL,ROW,LGTH,TYPE,PROMPT,HELP,INP,ESC)*

**NOTE:** Limitations on PRINT, INPUT and CRT still apply.

### Upcoming Events

MBSU2 Roadshow	Perth	18/5/04
MvQuery Product Briefing	Tasmania	30/4/04

For further information on either of these events, please email [Rachell.Raynor@mbs.net.au](mailto:Rachell.Raynor@mbs.net.au) or contact Rachell Raynor on 1300 793 333

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