

## HOSIP\$ - Get IP Address of GSM Server

The HOSIP\$ routine returns the dotted-decimal IP address of the server running GSM (i.e. the server running GLOBAL.EXE or GlobalClientService.exe).

### 1. Invocation

To get the dotted-decimal IP Address code:

```
CALL HOSIP$ USING x15
```

where *x15* is a PIC X(15) field into which the dotted-decimal IP address is returned.

### 2. STOP Codes and Exception Conditions

No STOP codes are generated by HOSIP\$.

The following EXIT codes may be returned by HOSIP\$:

EXIT code	\$\$COND	Description
6102	2	The Get IP address SVC-61 operation returned an error.

### 3. Programming Notes

For GSM SP-26, and earlier, the dotted-decimal IP address is returned in the format it is held in an internal control block. For some IP addresses this format may involve leading zeroes that indicate the format is "dotted octal". For example, see: <http://support.microsoft.com/kb/115388>.

For GSM SP-27, and later, any leading zeroes are removed from the numeric part of the IP address. For example, prior to GSM SP-27 the *localhost* address is returned as 127.000.000.001. For GSM SP-27, and later, this address is returned as 127.0.0.1.

Prior to GSM SP-27 IP address 10.123.45.7 is (incorrectly) returned as (octal) 010.123.045.007. For GSM SP-27, and later, this address is correctly returned as 10.123.45.7.

### 4. Examples

[EXAMPLES REQUIRED]

### 5. Copy-Books

None.

### 6. See Also

GETIP\$      Get dotted-decimal IP address of PC running GX  
 CMPIP\$     Compare IP address of Global server and PC running GX  
 RLZDD\$     Remove leading-zeroes from dotted-decimal IP address