

## Instructions to build and install IMB driver and Imbapi.dll

Following build components must be installed in the system to build the 'imbapi.dll' and 'imbdrv.sys'. It is recommended that the build tools be installed in the sequence mentioned below:

- <i> Microsoft Visual C++ Studio V6.0 upgraded to Service pack 3.
- <ii> Microsoft Platform SDK (latest MSDN version: January 2000 Edition)
- <iii> Windows 2000 Driver Development Kit.(latest MSDN version: February 2000)

### **Build instructions**

1. Use 'Winzip' or a similar tool to unzip the file 'imb.zip'. Following sub-directories will be created under the directory selected by the user:

.\\network\\src\\imb

.\\network\\src\\imbapi

.\\network\\src\\drivers\\lib\\i386

2. To build 'imbapi.dll', invoke the Visual C++ IDE environment.

From the 'File' menu, click on the 'Open Workspace' option. Open the workspace file 'imbapi.mak' from the sub-directory 'network\\src\\imbapi' which was created under the directory where the file 'imb.zip' was unzipped.

To build the release version of the 'imapi.dll', click on 'Set ActiveConfiguration' option from the 'Build' menu and choose the option 'imbapi – Win32 Release'.

The release version of 'imbapi.dll' will be built in the sub-directory .\\network\\src\\imbapi\\release.

Copy 'imbapi.dll' to a diskette.

3. Installing the Windows 2000 DDK creates the entries 'free build environment' and 'checked build environment' in the folder 'DevelopmentKits\\Windows 2000 DDK'. Based on the specific requirement, click on either the 'checked' (debug) or the 'free' option to invoke the build environment specific DOS box. Change

the current directory to the sub directory 'ntwork\src\imbdrv' which resides under the directory where 'imb.zip' file was unzipped. To build the IMB driver for Windows 2000 operating system, type the following commands:

```
copy srcimb2k sources
build -c
```

To build the IMB driver for Windows NT 4.0 operating system, type the following commands:

```
copy srent sources
build -c
```

The IMB driver specific binary file 'imbdrv.sys' will be created in the sub-directory 'ntwork\src\drivers\lib\i386'. Copy 'imbdrv.sys' file to a diskette. If the driver was built for Windows 2000 operating system then from the sub-directory 'ntwork\src\imb', copy the files 'win2kinstall.exe' and 'imbdrv.inf' to the same diskette .

(**Note:** Separate install diskettes should be used for Windows NT 4.0 and Windows 2000 based IMB driver.)

### **Install instructions:**

Insert the diskette with the previously built files in the diskette drive (assumed to be A: here) on the system where the IMB driver and imbapi.dll need to be installed. Type the following command:

```
copy a:\imbapi.dll %systemroot%\system32
```

To install the IMB driver in Windows 2000 environment, create a temporary directory on a system drive. Assuming the temporary directory to be 'd:\temp' type the following commands:

```
cd d:\temp
copy a:\*.*
Win2kinstall d:\temp\imbdrv.inf *IMBDRV
```

Reboot the system.

To install the IMB driver in Windows NT 4.0 environment, follow the instructions specified below:

Copy a:\imbdrv.sys %systemroot%\system32\drivers.

Using the registry editor (regedt32.exe), create a registry key 'imbdrv' in the registry path :

"HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services".

To the 'imbdrv' key, add a value "Start" as REG\_DWORD with the contents set to 2.

To the 'imbdrv' key, add a value "Type" as REG\_DWORD with the contents set to 1.

To the 'imbdrv' key, add a value "ErrorControl" as REG\_DWORD with the contents set to 1.

Reboot the system.