NAME

obmsh – Object Manager GUI script interpreter

SYNOPSIS

obmsh [*file*]

DESCRIPTION

Obmsh is a GUI command interpreter for the IRAF Widget Server / Object Manager (OBM) that executes commands read from the standard input or from a file. As with other shell interpreters such as *csh* if the program is a file beginning with **#!**, the remainder of the first line specifies an interpreter for the program, usually the path to the obmsh executable. There are no arguments.

OBM programs are Tcl scripts consisting of application widgets to be created, resource values for those widgets, callback procedures, and OBM-specific functions needed to create and activate the GUI. In applications such as *Ximtool* the GUI interacts with an underlying client program by passing messages to the client, server (the object manager itself) or various parameters or widgets in the script. Obmsh scripts have no client but will execute a default callback that outputs the client message to the standard output, the script will continue to run until a 'q' keystroke is detected in a client message.

Obmsh script support all features of the Tcl language but also provide a builtin GUI capability. For applications which do not require a client to perform more complex operations, the obmsh provides a fully featured GUI scripting language. For more information on the IRAF Widget Server / OBM contact iraf@noao.edu or see Tody, D. 1995, in ADASS IV Proceedings, ASP Conf. Ser, Vol 77, p. 89.

EXAMPLE

The following GUI script program demonstrates a simple "hello world" application:

```
#!/usr/local/bin/obmsh

reset-server
appInitialize hello Hello {
    ! Application defaults for the hello world program.
    Hello*objects:\
        toplevel        Form        helloForm\
        helloForm       Label       helloLabel\
        helloForm       Command     quitButton

    *background:            bisque
    *helloLabel.label:      Hello, world!
    *quitButton.fromHoriz:    helloLabel
    *quitButton.label:      Quit
}

createObjects
proc quit args { send client gkey q; deactivate unmap }
send quitButton addCallback quit
activate
```

If the file has execute permissions set the **#!** will invoke the obmsh to execute the file, otherwise it may be running using either

```
% obmsh hello.gui        or        % obmsh < hello.gui
```

SEE ALSO

xgterm(1), ximtool(1)

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