Compiling fusefs for Solaris

Pull a workspace:
hg clone ssh://<your opensolaris userid>@hg.opensolaris.org/hg/fuse/fusefs

This repository allows anonymous access so you can do the following:

hg clone ssh://anon@hg.opensolaris.org/hg/fuse/fusefs

Compile fusefs kernel module:
user11@prompt%>cd <your workspace>
user11@prompt%>make

NOTE: this only has been built and tested on x86 platforms. The Makefile specifically assumes this and will create a Sun-x86-Solaris directory.

Installing the module:
Note that the DDK tutorial provides a tip that we should keep the kernel module under debuging in /tmp directory and then link it to /usr/kernel/drv. This ensures that any bug in the kernel module does not panic the kernel infinitely, since the /tmp directory content are erased on reboot.

Following are one time tasks for installing the brue module.
Change user to 'su' (root)

32-bit driver
prompt# cd /usr/kernel/drv
prompt# ln -s /tmp/brue brue

Now create a file /usr/kernel/drv/brue.conf with following entry:
name="brue" parent="pseudo";

64-bit driver
prompt# cd /usr/kernel/drv/amd64
prompt# ln -s /tmp/brue brue

Now create a file /usr/kernel/drv/amd64/brue.conf with following entry:
name="brue" parent="pseudo";

prompt# cd /dev
prompt# ln -s /devices/pseudo/brue\@0\:0 brue

Login to the user account where sources were compiled (eg. user11)

user11@prompt%>cd /export/home/user11/brue
user11@prompt%>cp -pr Sun-x86-Solaris/brue /tmp/.

Note that Sun-x86-Solaris name may change with the architecture

Change user to 'su' (root) by executing 'su -' command
user11@prompt%>su -

Run following commands as 'su' (superuser/root):

prompt#rem_drv brue
prompt#add_drv brue

The messages from kernel module will appear in the /var/adm/messages which can be inspected by opening a saperate terminal using the tail command:
user11@prompt%>tail -f /var/adm/messages