

# Getting Started with Insight

(InsightStart.doc)

## **Subscribing to the Mailing List**

To subscribe to insight-developers or insight-announce you must send email to majordomo@public.kitware.com, and in the body of your message put the text

```
subscribe insight-developers  
end
```

or

```
subscribe insight-announce  
end
```

Requests to subscribe to the mailing list are currently limited to members of the consortium. As such all requests must be approved, if you would like to allow a grad student etc to be on the list just send email to ken.martin@kitware.com.

## **Using CVS**

You can obtain CVS from the web site <http://download.cyclic.com/pub/cvs-1.10/> For UNXI you will need to build and install CVS. For windows you need to put cvs.exe patch.exe and the dll file into your system32 directory under winNT or windows.

### **Getting a copy of Insight**

To check out a copy of insight use the following two commands. You will first need to have a login name and password provided to you. The first command verifies your identity and the second command will check out a copy of the tree onto your current directory. So make sure you execute these commands in the directory you want insight to appear. Once you have checked out insight you do not need to execute them again unless you move to a different machine or completely erase your insight tree. If you want to obtain a copy of insight without the Data directory use InsightLight instead of Insight in the second command.

```
cvs -d :pserver:YourLoginName@public.kitware.com:/insight/cvsroot login
```

```
cvs -d :pserver:YourLoginName@public.kitware.com:/insight/cvsroot checkout Insight
```

### **Adding a new file or directory to Insight**

To add a new file or directory to the CVS repository use the following commands. The kb flag should be used for any binary files such as pdf, word, tiff, etc.

```
cvcs add directoryName
cvcs add fileName
cvcs add -kb binaryFileName
```

### **Committing changes to the repository**

Once a file has been added or edited, you must commit it before others will be able to retrieve it. When a commit is done you must specify a comment indicating why the change was made. You should prefix the change with one of the following indicators.

BUG: - a change made to fix an error in the code  
ENH: - new functionality added to the toolkit  
PERF: - a performance improvement  
STYLE: - a change made to improve style, comments, compiler warnings

The cvs command to commit the change is:

```
cvcs commit -m "BUG: fixed core dump when passed float data" filename
```

you can also use the syntax below which omits the -m flag. In this case cvs will start up an editor for you to enter a comment on why you made the change.

```
cvcs commit filename
```

### **Updating your copy of Insight**

To bring your copy of Insight up to date with the repository use the following command.

```
cvcs update
```

### **Determining what files have changed in the repository**

You can determine what files you have edited and also what files have changed since your last update by using update with the -n flag. This will show you what files you have modified with a "M" (modified), what files have changed in the repository since your last update "P" (patch) or "U" (updated), and what files have conflicts with changes you have made "C".

```
cvcs update -n
```

### **Seeing your changes to a file**

To see the changes that you have made to a file in the insight you can use the diff command. The first version shows you the changes between your current copy of the file and the version you last updated from. The second version shows the changes between your current version and the most recent copy in the repository.

```
cvcs diff filename
cvcs diff -rHEAD filename
```

### **Additional information on a file**

To see the change history of a file you can use the cvs log command as:

```
cvs log filename
```

To see the current status of a file

```
cvs status filename
```

to see who last edited each line of a file and when use:

```
cvs annotate filename
```

## **The Insight Web Site**

The insight web site can be found at <http://public.kitware.com/Insight.html> (currently this is empty) There is also a searchable frequently asked questions at <http://public.kitware.com/cgi-bin/InsightFAQ>. If you check new web pages into the CVS repository and would like to make them visible on the web site you can use <http://public.kitware.com/cgi-bin/Update-InsightHTML.sh>.