

Adding Converters

Exercise 1 (/home/bd/bd-tutorial/AddingConverters/)

1. Start BrownDog base:

```
cd /home/bd/bd-base
./bd
```

2. In a second terminal set up a basic development environment for conversions:

```
cd /home/bd/bd-base
./converter

git clone
https://opensource.ncsa.illinois.edu/bitbucket/scm/bd/bd-
tutorial.git

cd /home/polyglot/bd-tutorial/AddingConverters
```

3. Write a Polyglot script:

```
nano sciencify_convert.sh
```

2. Modify the SoftwareServer configuration (i.e. copy the script to scripts folder and enable it):

```
cp sciencify_convert.sh /home/polyglot/polyglot/scripts/sh
nano /home/polyglot/polyglot/scripts/sh/.aliases.txt
```

3. Start your new SoftwareServer:

```
cd /home/polyglot/polyglot/
SoftwareServerRestlet.sh
```

4. Test it with the Brown Dog Command Line Interface:

```
bd -b http://fence:8080 -o science.txt /home/polyglot/bd-
tutorial/AddingConverters/sonnet80.txt
```

Appendix

ImageMagick convert.sh:

```
#!/bin/sh
#ImageMagick (v6.5.2)
#image
#bmp, dib, eps, fig, gif, ico, jpg, jpeg
#bmp, dib, eps, gif, jpg, jpeg, jp2, pcd, pdf, pgm

convert "$1" "$2"
```