

SIMPLE PACKTIVITY EXAMPLE USING UMBRELLA

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Hello World Example:

This simple example will echo "Hello World" to the command line and then pipe that into the outputfile.

Listing 1: packtivity specification: hello-world-example.yml

```
1 process:
2   process_type: 'string-interpolated-cmd'
3   cmd: 'echo Hello {parone} | tee {outputfile}'
4 publisher:
5   publisher_type: 'frompar-pub'
6   outputmap:
7     outputfile: outputfile
8 environment:
9   environment_type: 'umbrella'
10  image: 'centos6'
11  spec_url: '/home/beth/Desktop/DASPOS/fast.umbrella'
```

You will notice that the packtivity spec environment refers to a spec called **fast.umbrella**. The **fast.umbrella** file is provided in the repository. You will need to adjust the spec_url in the packtivity specification to the location of this file on your own machine. Now you are ready to run the packtivity. Run the following command to execute this packtivity.

Listing 2: packtivity-run command

```
1 packtivity-run hello-world-example.yml \
2 -p parone="World" \
3 -p outputfile="'{workdir}/outputfile'"
```

When the packtivity has finished running, you should see a new file in the directory you ran the command in. This is the outputfile specified in the command and specification. If you open this file, you will see that it has the same text as the given input file.

This example can be found in the following GitHub repository:

<https://github.com/ecaldwe1/packtivity-with-umbrella-examples/tree/master/hello-world>