

node_directory_size_bytes

`node_directory_size_bytes` is bash script. It takes a list of one or more directory names. For each of these directory names it calculates some metrics around disk usage and emit this to stdout.

The format of the metrics will be consistent with the prometheus `node_exporter`. We use this custom script solution when the metrics we need are not provided natively by `node_exporter` or we have restricted access to them via `node_exporter` configuration directives.

See the usage/help for more info

```
Usage :  node_directory_size_bytes.sh [-h|-o] dirname,...

dirname:  One or more directory names to generate a disk usage metric
for

Examples:
    ./node_directory_size_bytes.sh /opt/proc/kafka /tmp/kafka_uploader

Emits:
    node_directory_size_bytes{path="/opt/proc/kafka"} 123912
    node_directory_size_bytes{path="/tmp/kafka_uploader"} 148880

Options:
    -h  Display this message
    -o  Output the result as json [not implemented]
```

Quickstart

Show the help

```
# display the help/usage for this command
./node_directory_size_bytes.sh -h
```

Emit a disk space metric for /var/log

```
./node_directory_size_bytes.sh /var/log
```

Emit a disk space metric for /tmp/kafka_uploader and /var/log

```
# more than one directory etc....  
./node_directory_size_bytes.sh /tmp/kafka_uploader /var/log
```

Misc

Output

All output goes to STDOUT or STDERR, so capture it (via sponge possible) and pipe to file etc.

Execution

This just a bash script so run on command line or by cron or perhaps another orchestration etc...