

pv

Monitor the progress of data through a pipe.

- Print the contents of the file and display a progress bar:

```
pv {{file}}
```

- Measure the speed and amount of data flow between pipes (-s is optional):

```
command1 | pv -s {{expected_amount_of_data_for_eta}} | command2
```

- Filter a file, see both progress and amount of output data:

```
pv -cN in {{big_text_file}} | grep {{pattern}} | pv -cN out > {{filtered_file}}
```

- Attach to an already running process and see its file reading progress:

```
pv -d {{PID}}
```

- Read an erroneous file, skip errors as dd conv=sync,noerror would:

```
pv -EE {{path/to/faulty_media}} > image.img
```

- Stop reading after reading specified amount of data, rate limit to 1K/s:

```
pv -L 1K -S {{maximum_file_size_to_be_read}}
```