
NAME

parset - set shell variables in parallel

SYNOPSIS

parset *variablename* [options for GNU Parallel]

DESCRIPTION

parset is a shell function that puts the output from GNU **parallel** into shell variables.

The **parset** function is defined as part of **env_parallel**.

If *variablename* is a single variable name, this will be treated as the destination variable and made into an array.

If *variablename* contains multiple names separated by ',' or space, the names will be the destination variables.

parset is beta quality and not production ready, but please use it for everyday use and report bugs.

OPTIONS

Same as GNU **parallel**, but they are put *after* the destination variable.

SUPPORTED SHELLS

Bash

Examples

Put output into **myarray**:

```
parset myarray seq 3 ::: 4 5 6
echo "${myarray[1]}"
```

Put output into vars **\$seq, \$pwd, \$ls**:

```
parset "seq pwd ls" ::: "seq 10" pwd ls
echo "$ls"
```

Put output into vars **\$seq, \$pwd, \$ls**:

```
into_vars=(seq pwd ls)
parset "${into_vars[*]}" ::: "seq 10" pwd ls
echo "$ls"
```

The commands to run can be an array:

```
cmd=("echo '<joe \double space\ ' cartoon">>' "pwd")
parset data ::: "${cmd[@]}"
echo "${data[0]}"
echo "${data[1]}"
```

parset can not be part of a pipe. In particular this means it cannot read anything from standard input (stdin) or write to a pipe:

```
seq 10 | parset res echo Does not work
```

but must instead use a tempfile:

```
seq 10 > parallel_input
parset res echo ::: parallel_input
echo "${res[0]}"
```

```
echo "${res[9]}"
```

or a FIFO:

```
mkfifo input_fifo
seq 30 > input_fifo &
parset res echo :::: input_fifo
echo "${res[0]}"
echo "${res[29]}"
```

or Bash process substitution:

```
parset res echo :::: <(seq 100)
echo "${res[0]}"
echo "${res[99]}"
```

Installation

Put this in **\$HOME/.bashrc**:

```
. `which env_parallel.bash`
```

E.g. by doing:

```
echo '. `which env_parallel.bash`' >> $HOME/.bashrc
```

EXIT STATUS

Same as GNU **parallel**.

AUTHOR

When using GNU **parallel** for a publication please cite:

O. Tange (2011): GNU Parallel - The Command-Line Power Tool, ;login: The USENIX Magazine, February 2011:42-47.

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DEPENDENCIES

parset uses GNU **parallel**.

SEE ALSO

parallel(1), **env_parallel**(1), **bash**(1).