

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 to an array.

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

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]}"
```

You cannot pipe into **parset**, but must use a tempfile:

```
seq 10 > parallel_input
parset res echo ::: parallel_input
echo "${res[0]}"
echo "${res[9]}"
```

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.

This helps funding further development; and it won't cost you a cent. If you pay 10000 EUR you should feel free to use GNU Parallel without citing.

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Parts of the manual concerning **xargs** compatibility is inspired by the manual of **xargs** from GNU findutils 4.4.2.

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DEPENDENCIES

parset uses GNU **parallel**.

SEE ALSO

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