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```
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```

```
# `conda create`#
```

Create a new conda environment from a list of specified packages.

To use the newly-created environment, use 'conda activate envname'. This command requires either the -n NAME or -p PREFIX option.

```
usage: conda create [-h] [--clone ENV] [-n ENVIRONMENT | -p PATH] [-c CHANNEL]  
                  [--use-local] [--override-channels]  
                  [--repodata-fn REPODATA_FNS] [--experimental {jlap,lock}]  
                  [--no-lock] [--repodata-use-zst | --no-repodata-use-zst]  
                  [--strict-channel-priority] [--no-channel-priority]  
                  [--no-deps | --only-deps] [--no-pin] [--copy]  
                  [--no-shortcuts] [--shortcuts-only SHORTCUTS_ONLY] [-C]  
                  [-k] [--offline] [--json] [--console CONSOLE] [-v] [-q]  
                  [-d] [-y] [--download-only] [--show-channel-urls]  
                  [--file FILE] [--no-default-packages] [--subdir SUBDIR]
```

`[--solver {classic}] [-m] [--dev]`

`[package_spec ...]`

Positional Arguments#

``package_spec``

List of packages to install or update in the conda environment.

Named Arguments#

``--clone``

Create a new environment as a copy of an existing local environment.

``--file``

Read package versions from the given file. Repeated file specifications can be passed (e.g. `--file=file1 --file=file2`).

`-m, --mkdir`

\--mkdir is deprecated and will be removed in 25.3. Redundant argument.

`--dev`

Use `sys.executable -m conda` in wrapper scripts instead of `CONDA_EXE`. This is mainly for use during tests where we test new conda sources against old Python versions.

Target Environment Specification#

`-n, --name`

Name of environment.

`-p, --prefix`

Full path to environment location (i.e. prefix).

Channel Customization#

`-c, --channel`

Additional channel to search for packages. These are URLs searched in the order they are given (including local directories using the '<file://>' syntax or simply a path like '/home/conda/mychan' or '../mychan'). Then, the defaults or channels from .condarc are searched (unless --override-channels is given). You can use 'defaults' to get the default packages for conda. You can also use any name and the .condarc channel_alias value will be prepended. The default channel_alias is <<https://conda.anaconda.org/>>.

`--use-local`

Use locally built packages. Identical to '-c local'.

`--override-channels`

Do not search default or .condarc channels. Requires --channel.

`--repodata-fn``

Specify file name of repodata on the remote server where your channels are configured or within local backups. Conda will try whatever you specify, but will ultimately fall back to repodata.json if your specs are not satisfiable with what you specify here. This is used to employ repodata that is smaller and reduced in time scope. You may pass this flag more than once. Leftmost entries are tried first, and the fallback to repodata.json is added for you automatically. For more information, see `conda config --describe repodata_fns`.

`--experimental``

Possible choices: jlap, lock

jlap: Download incremental package index data from repodata.jlap; implies 'lock'. lock: use locking when reading, updating index (repodata.json) cache. Now enabled.

`--no-lock``

Disable locking when reading, updating index (repodata.json) cache.

`--repdata-use-zst, --no-repdata-use-zst`

Check for/do not check for repodata.json.zst. Enabled by default. (default: Null)

`--subdir, --platform`

Possible choices: emscripten-wasm32, wasi-wasm32, freebsd-64, linux-32, linux-64, linux-aarch64, linux-armv6l, linux-armv7l, linux-ppc64, linux-ppc64le, linux-riscv64, linux-s390x, osx-64, osx-arm64, win-32, win-64, win-arm64, zos-z

Use packages built for this platform. The new environment will be configured to remember this choice. Should be formatted like 'osx-64', 'linux-32', 'win-64', and so on. Defaults to the current (native) platform.

Solver Mode Modifiers#

`--strict-channel-priority`

Packages in lower priority channels are not considered if a package with the same name appears in a higher priority channel.

`--no-channel-priority``

Package version takes precedence over channel priority. Overrides the value given by `conda config --show channel_priority`.

`--no-deps``

Do not install, update, remove, or change dependencies. This WILL lead to broken environments and inconsistent behavior. Use at your own risk.

`--only-deps``

Only install dependencies.

`--no-pin``

Ignore pinned file.

```
`--no-default-packages`
```

Ignore create_default_packages in the .condarc file.

```
`--solver`
```

Possible choices: classic

Choose which solver backend to use.

Package Linking and Install-time Options#

```
`--copy`
```

Install all packages using copies instead of hard- or soft-linking.

```
`--no-shortcuts`
```

Don't install start menu shortcuts

```
`--shortcuts-only`
```

Install shortcuts only for this package name. Can be used several times.

Networking Options#

```
`-C, --use-index-cache`
```

Use cache of channel index files, even if it has expired. This is useful if you don't want conda to check whether a new version of the repodata file exists, which will save bandwidth.

```
`-k, --insecure`
```

Allow conda to perform "insecure" SSL connections and transfers. Equivalent to setting 'ssl_verify' to 'false'.

```
`--offline`
```

Offline mode. Don't connect to the Internet.

Output, Prompt, and Flow Control Options#

`--json`

Report all output as json. Suitable for using conda programmatically.

`--console`

Select the backend to use for normal output rendering.

`-v, --verbose`

Can be used multiple times. Once for detailed output, twice for INFO logging, thrice for DEBUG logging, four times for TRACE logging.

`-q, --quiet`

Do not display progress bar.

``-d, --dry-run``

Only display what would have been done.

``-y, --yes``

Sets any confirmation values to 'yes' automatically. Users will not be asked to confirm any adding, deleting, backups, etc.

``--download-only``

Solve an environment and ensure package caches are populated, but exit prior to unlinking and linking packages into the prefix.

``--show-channel-urls``

Show channel urls. Overrides the value given by conda config --show

show_channel_urls.

Examples:

Create an environment containing the package 'sqlite':

```
conda create -n myenv sqlite
```

Create an environment (env2) as a clone of an existing environment (env1):

```
conda create -n env2 --clone path/to/file/env1
```

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- * Target Environment Specification
- * Channel Customization

- * Solver Mode Modifiers
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GitHub](<https://github.com/conda/conda/edit/main/docs/source/commands/create.rst>)

[__Show Source]([./_sources/commands/create.rst.txt](https://github.com/conda/conda/blob/main/docs/source/commands/create.rst))

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