


# Ant targets and options

- 1 Options
- 2 Targets

Ant targets should be run as the service user

 A word of warning: in order to ensure proper permissions and file ownership are maintained, you are advised to run these ant targets as the service user (commonly 'dspace' or 'tomcat'). Running them as any other user may cause permission problems

## Options

DSpace allows three property values to be set using the `-D<property>=<value>` option. They may be used in other contexts than noted below, but take care to understand how a particular property will affect a target's outcome.

### overwrite

Whether to overwrite configuration files in [dspace]/config. If true, files from [dspace]/config and subdirectories are backed up with .old extension and new files are installed from [dspace-src]/dspace/config and subdirectories; if false, existing config files are untouched, and new files are written beside them with .new extension.	
Possible values:	true, false
Default:	true
Context:	update, init_configs

### config

If a path is specified, ant uses values from the specified file and installs it in [dspace]/config in the appropriate contexts.	
Possible values:	path to configuration file to be used
Default:	[dspace-src]/config/dspace.cfg
Context:	update, update_configs, update_code, update_webapps, init_configs, fresh_install, test_database, setup_database, load_registries, clean_database

### vars

If true, builds .war files; if false, no .war files are built.	
Possible values:	true, false
Default:	true
Context:	update, update_webapps, fresh_install

## Targets

Target	Effect
update	Creates backup copies of the [dspace]/bin, /etc, /lib, and /webapps directories with the form /<directory>.bak-<date-time>. Creates new copies of [dspace]/config, /etc, and /lib directories. Does not affect data files or the database. (See <i>overwrite</i> , <i>config</i> , <i>war</i> options.)
update_configs	Updates the [dspace]/config directory with new configuration files. (See <i>config</i> option.)
update_code	Creates backup copies of the [dspace]/bin, /etc, and /lib directories with the form /<directory>.bak-<date-time>. Creates new copies of [dspace]/config, /etc, and /lib directories. (See <i>config</i> option.)
update_webapps	Updates [dspace]/webapps directory. (See <i>config</i> , <i>war</i> options.)
init_configs	Writes configuration files to [dspace]/config. (See <i>overwrite</i> , <i>config</i> options.)

<b>install_code</b>	Deletes existing [dspace]/bin, /lib, and /etc directories, and installs new copies; overwrites /solr application files, leaving data intact. (See <i>config</i> option.)
<b>fresh_install</b>	Performs a fresh installation of the software, including the database & config. (See <i>config</i> , <i>war</i> options.)
<b>test_database</b>	Tests database connection using parameters specified in dspace.cfg. (See <i>config</i> option.)
<b>clean_backups</b>	Removes [dspace]/bin, /etc, /lib, and /webapps directories with .bak* extensions.