

# Snapshot Utility

Written by David Yates

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## Description

doSnapShot.exe was written to take a zip-file snapshot of the current V4.5 system. It has subsequently been enhanced to allow for use on V2/V3 systems.

The snapshot is every file in the specified path, which are zipped up into a single file.

## Command Line

There is a command line option which can be used to run the tool in “non-interactive” mode. This enables it to run as a scheduled job.

To run the tool so that it does not wait for any button pushes use a command line parameter of “/go”. e.g.

```
doSnapshot /go
```

This feature was added in version 4.5.0.1.

Version 4.5.1.0 added the following additional command line parameters

/root=c:\mySystem	Sets the root directory to zip
/outputDir=c:\snapshots	Where to stick the corresponding zip file
/name=mySystemName	The prefix on the filename – if this isn’t supplied the default is the last bit of the output directory

These parameters override the values determined from the V4.5 environment settings.

## Input

The current V4.5 system is determined from the CC\_ROOT and CC\_SYSTEM environment settings or as overridden with the /root command line parameter.

For

```
CC_ROOT=c:\bnccs
```

and

```
CC_SYSTEM=v4.5
```

all files in

c:\bncc\v4.5

will be used.

## Output

The output is always put in

%CC\_ROOT%\snapshots

so for our example above this is

c:\bncc\snapshots

This value may be overwritten with the /outputDir command line option.

and the filename of the archive contains the system name, the date and the time in the format:

<name>-<date><time>.zip

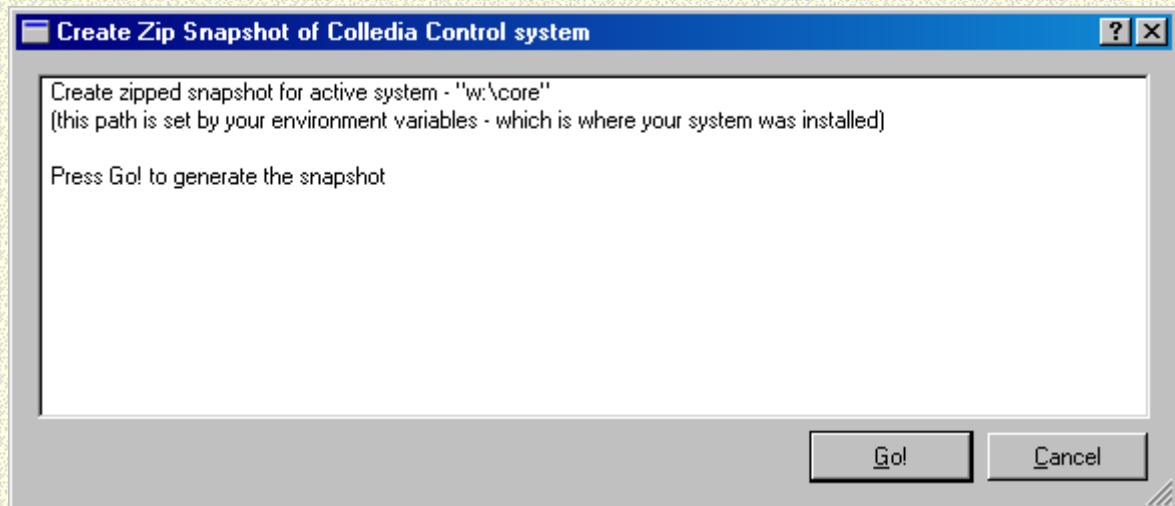
e.g.

v4.5-2004-12-13\_17-04-40.zip

This filename isn't guaranteed absolutely unique but almost always will be. The <name> part of this filename may be overridden with the /name command line parameter.

## Taking the snapshot

When the application starts up it finds the current system from the environment variables and displays this on its dialog.



Some systems are BIG and it can take some time just for the list of files to be generated. Then when it's running the files being compressed will be displayed.

When the application has finished producing the snapshot, an explorer window is opened with the snapshot directory pre-selected.

## Use on a V2/V3 system

V4.5 is handy in that every file required exists in a single directory. This is not the case with a V2 system and probably not so with V3 either.

Do you'd use doSnapShot in a batch file something like this:

```
xcopy %windir%\dev_???.ini c:\bncs\windir /d  
xcopy %windir%\dev_???.db? c:\bncs\windir /d  
doSnapShot /name=mySystem /root=c:\bncs /outputDir=c:\snapshots
```

This puts all the files the BNCS system needs under the one directory ready for zipping. You can then call this batch file as a scheduled job within Windows own task scheduler.

## Developers Notes

The external application used for doing the zip can't be interrupted (not even when killed) so this is why the cancel button is disabled at the same time as the Go button when the snapshot is being produced.

## Logging

Version 4.5.3 adds (by default) logging of the debug window output to "the usual place" (typically %CC\_ROOT%\%CC\_SYSTEM%\logs\doSnapShot or c:\bnclslogs depending on your BNCS variant).

These logs are "daily" (i.e. one per day) and can be usually managed using the normal log management features (log delete in V4.5 workstation manager).

## Excluded Files

Files/paths can be excluded when running this tool – this value appears in the dialog and may be edited by hand.

It is persisted in %CC\_ROOT%\local\_settings.ini

```
[doSnapshot]  
Exclude=**/.svn**;*.pch;*.pdb;*.sbr
```

## Version History

Version	Notes
4.5.1	Initial Release
4.5.2	Adds list of file filters to exclude
4.5.3	Adds logging

4.5.4

Changes icon to modern style  
adds map file to the build