

# Build

## From Openzet

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## Overview

This overview outlines how to build SWC and ASdoc files after you download OpenZet framework. To facilitate building process, we provide the framework along with ant scripts.

If you have not previously installed ant, you need to install it first before starting to build OpenZet framework.

## ANT

### Download

The donload link is the following : <http://ant.apache.org/bindownload.cgi>

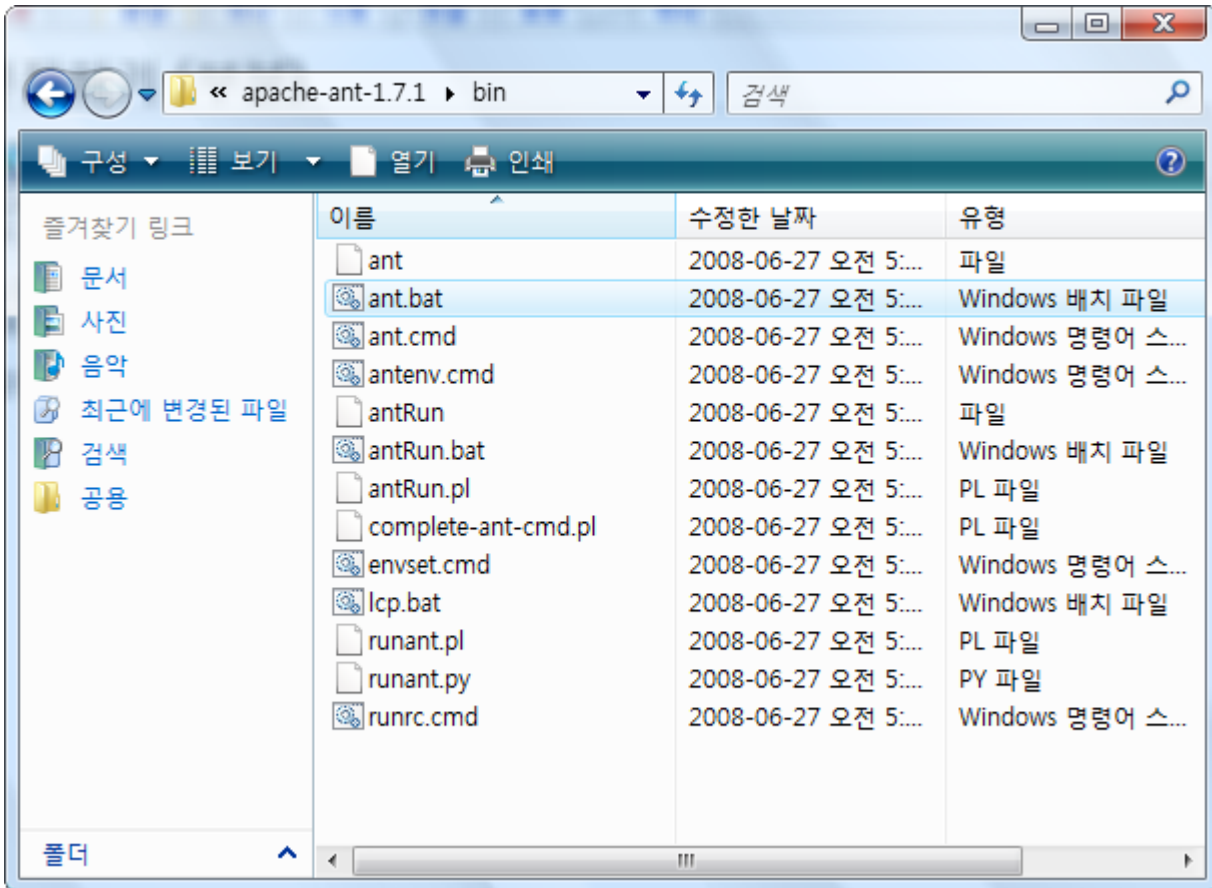
You need to download a version suited for your OS type. Lastest version of ant for today (Feb, 2009) is 1.7.1.

**Tar files may require gnu tar to extract**

Tar files in the distribution contain long file names, and may require gnu tar to do the extraction.

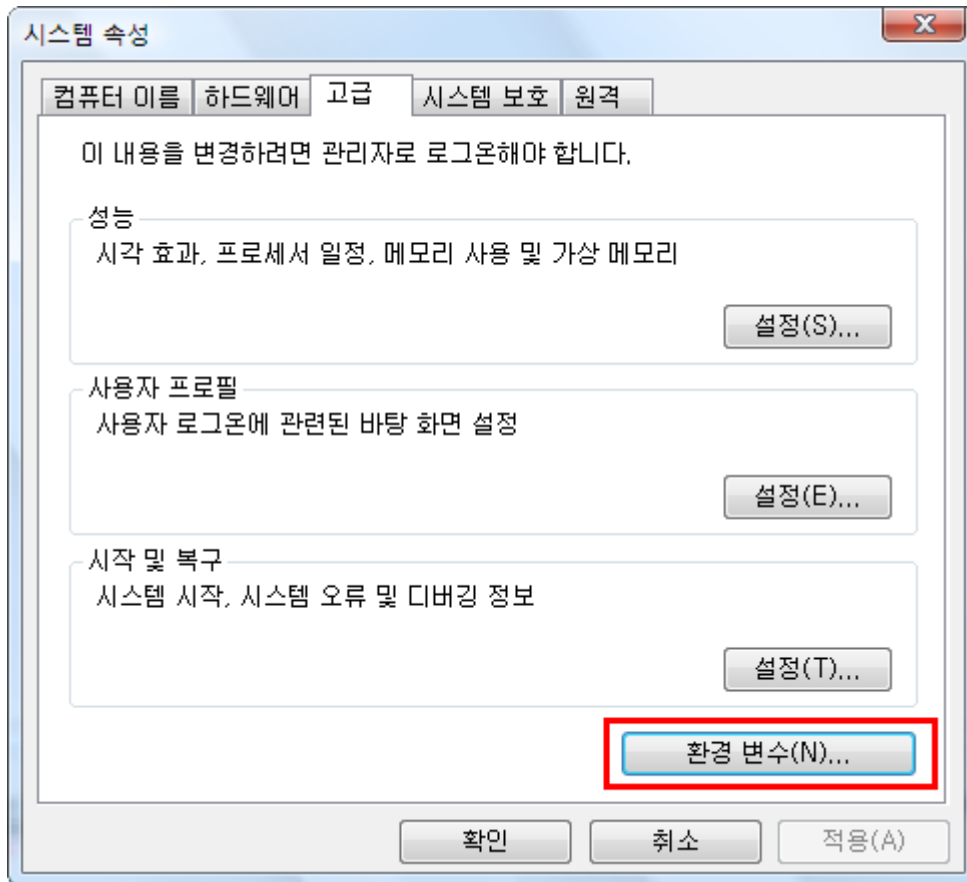
- .zip archive: [apache-ant-1.7.1-bin.zip](#) [PGP] [SHA1] [MD5]
- .tar.gz archive: [apache-ant-1.7.1-bin.tar.gz](#) [PGP] [SHA1] [MD5]
- .tar.bz2 archive: [apache-ant-1.7.1-bin.tar.bz2](#) [PGP] [SHA1] [MD5]

Uncompress the downloaded file. Executables of ant is under /bin directory

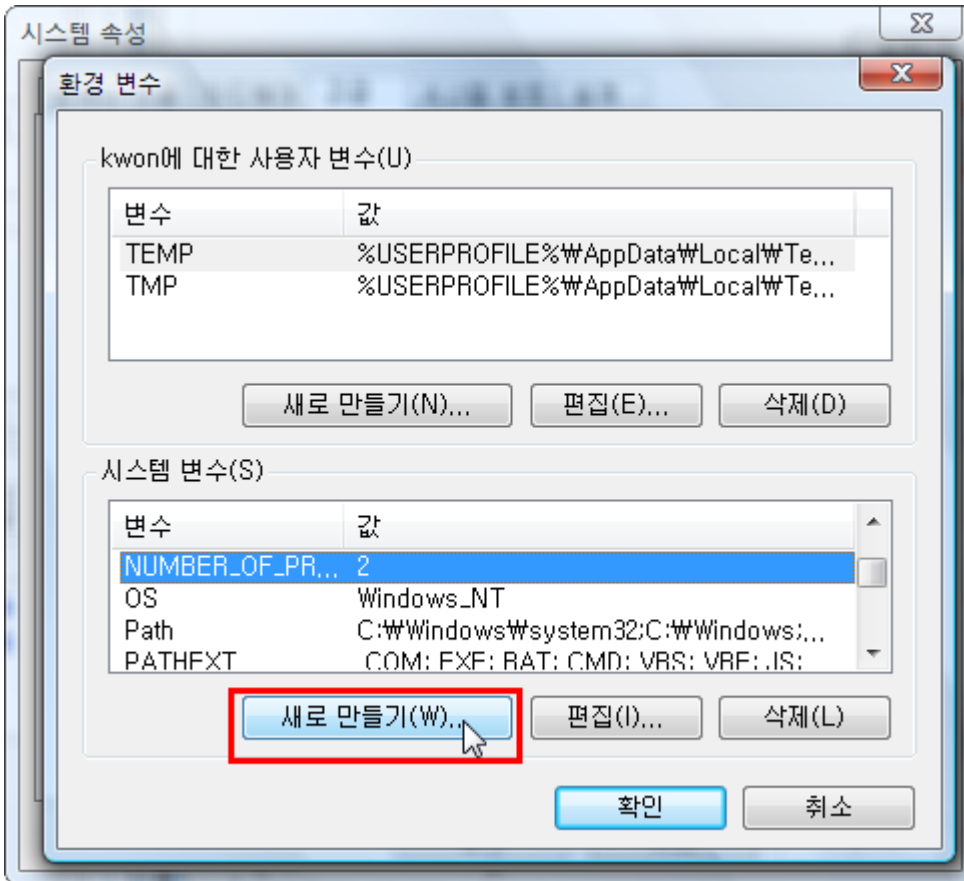


## Environment setup

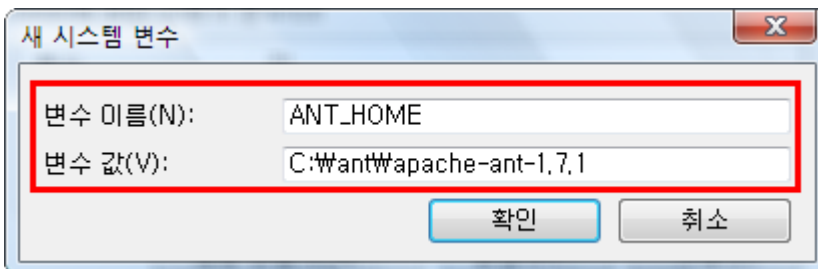
On windows, you need to register environment variables before running ant.  
Click "Environment Variables" from SystemProperties -> Advanced



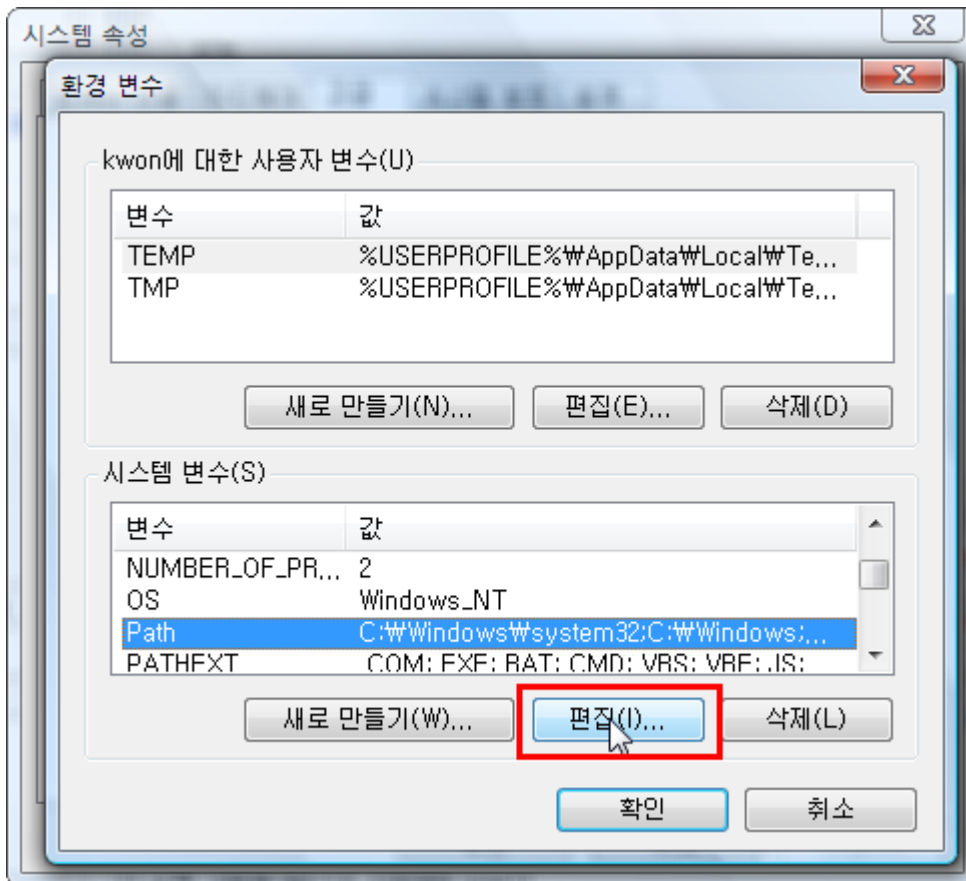
To register new environment variable, Click "New"



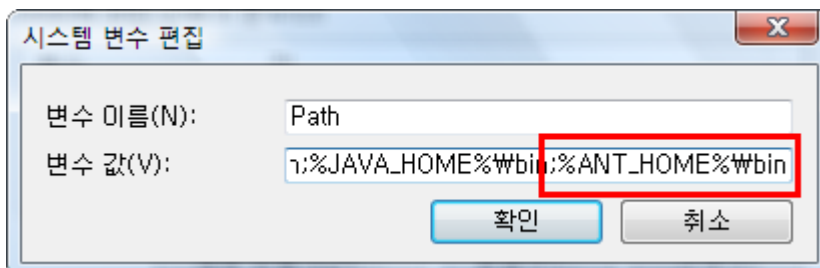
For Variable Name, specify **ANT\_HOME**, and for Variable Value, specify the path where ant installation file has been uncompressed and click "OK"



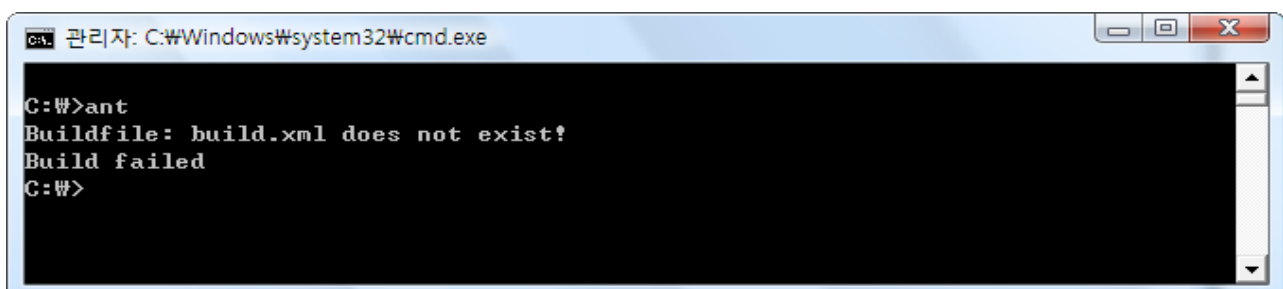
Now to run ant regardless of your path, edit 'Path'



For Variable Value field, add ';%ANT\_HOME%\ bin' at the end.



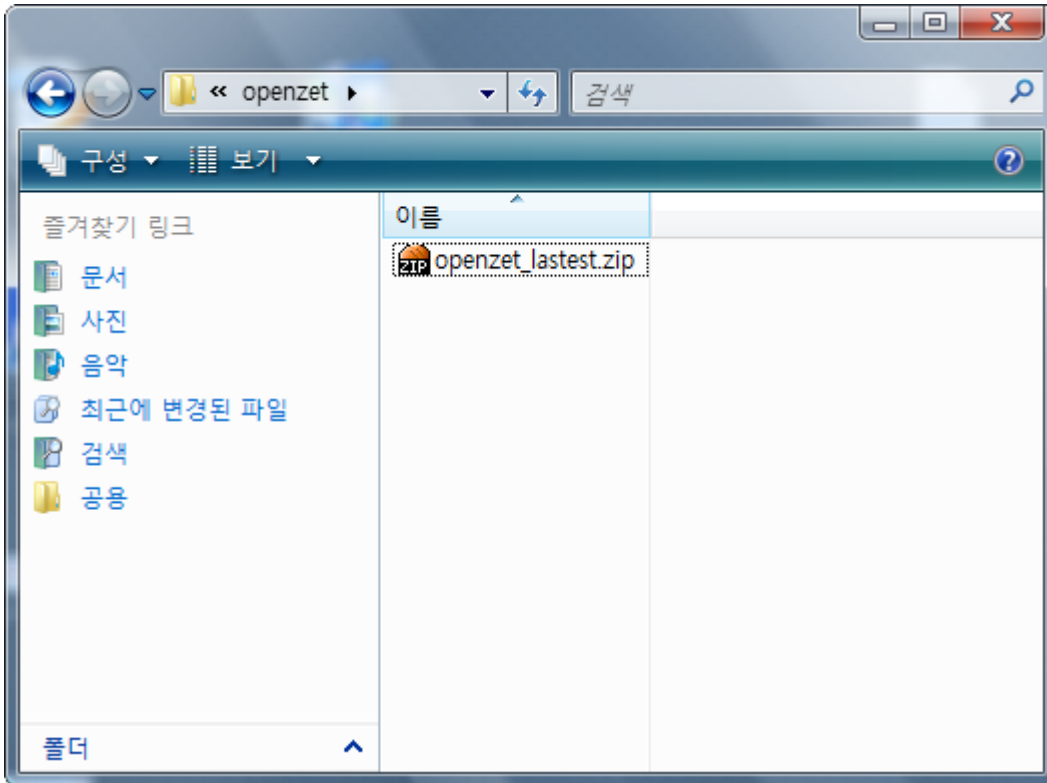
Open up a command prompt and type ant and press enter. Now you can see you can run ant regardless of your current path.



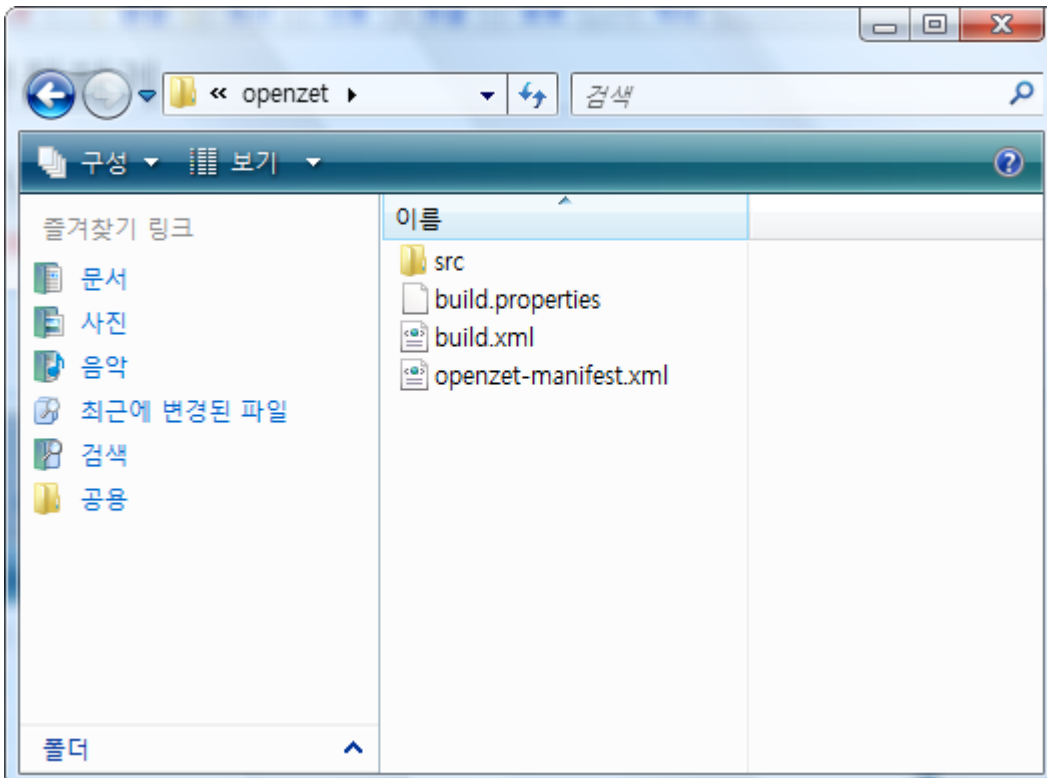
# OpenZet Build

## File composition

Download the lastes OpenZet source.



If you uncompress the file, you can see ant build files and OpenZet manifest file.



# Build environment setup

## build.properties

Environment setup for ant

## build.xml

Build information xml for ant

## openzet-manifest.xml

OpenZet component manifest file

Note that you should always adjust 'build.properties' file for you PC environment to build OpenZet swc and resulting ASDoc files.

'build.properties' file has the following contents.

```
# Basic environment
flexsdk.dir = C:/Flex3SDK/flex_sdk_3.2.0.3794
source.dir = C:/openzet/src
# Project
project = OpenSource OpenZet Project
# Title
ASDoc.title = OpenZet

# Name of SWC to generate
swc.file = Samples.swc

# Flex SDK path

flexsdk.bin.dir = ${flexsdk.dir}/bin
flexsdk.lib.dir = ${flexsdk.dir}/frameworks/libs

# Locale
flexsdk.locale = en_US
flexsdk.locale.dir = ${flexsdk.dir}/frameworks/locale/{locale}

# compc path
compc.exe = ${flexsdk.bin.dir}/compc.exe
# asdoc path
asdoc.exe = ${flexsdk.bin.dir}/asdoc.exe

# Directory information
export.dir = ${source.dir}/export
output.swc = ${export.dir}/swc/${swc.file}
output.asdoc = ${export.dir}/asdoc
example.path.dir = ${source.dir}

# Environment setup
manifest.xml = ${basedir}/openzet-manifest.xml
include-namespaces = http://www.openzet.org/2009/mxml
namespaces.namespace = ${include-namespaces} ${manifest.xml}
```

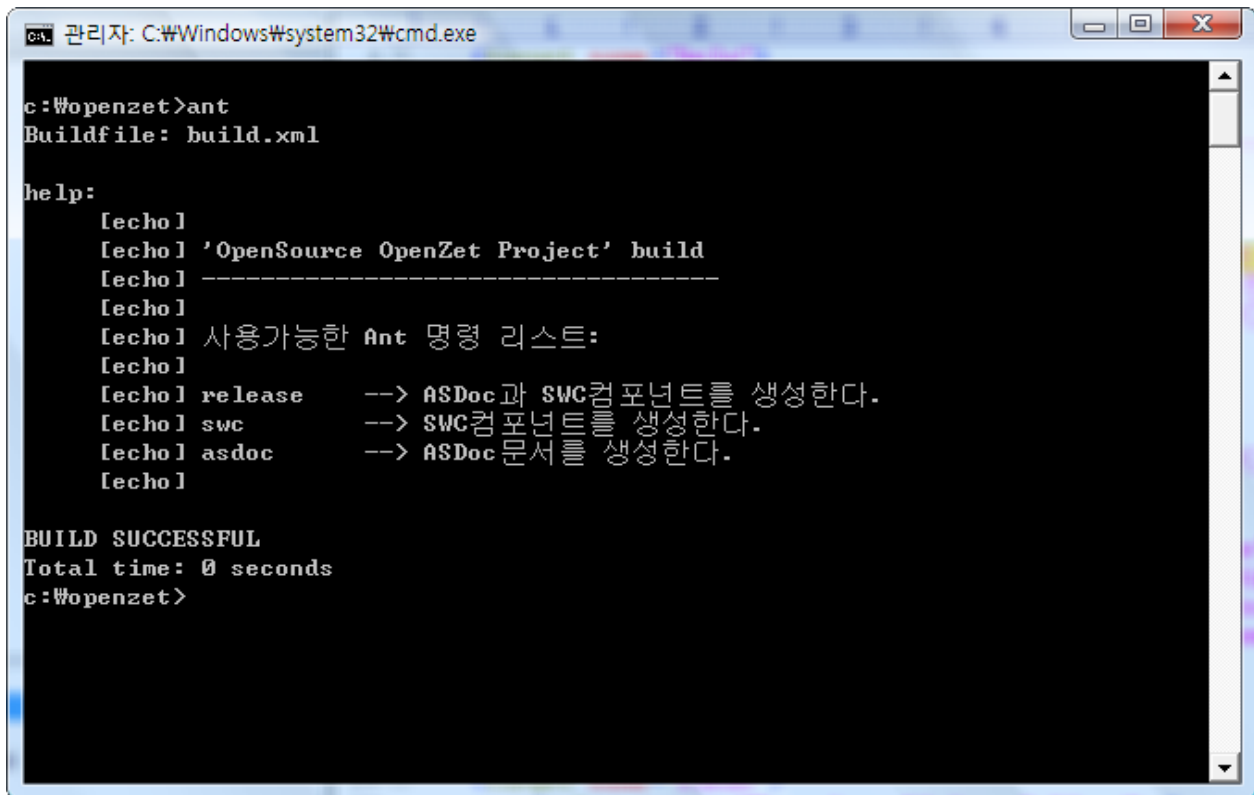
Remember that you should adjust FlexSDK and OpenZet's source path according to your actual paths.

```
flexsdk.dir = C:/Flex3SDK/flex_sdk_3.2.0.3794
source.dir = C:/openzet/src
```

## SWC, ASDoc generation

Run ant in the same path where OpenZet source file has been uncompressed. Then ant will automatically find 'build.xml' file and start building.

'build.xml' defines the following 3 tasks.



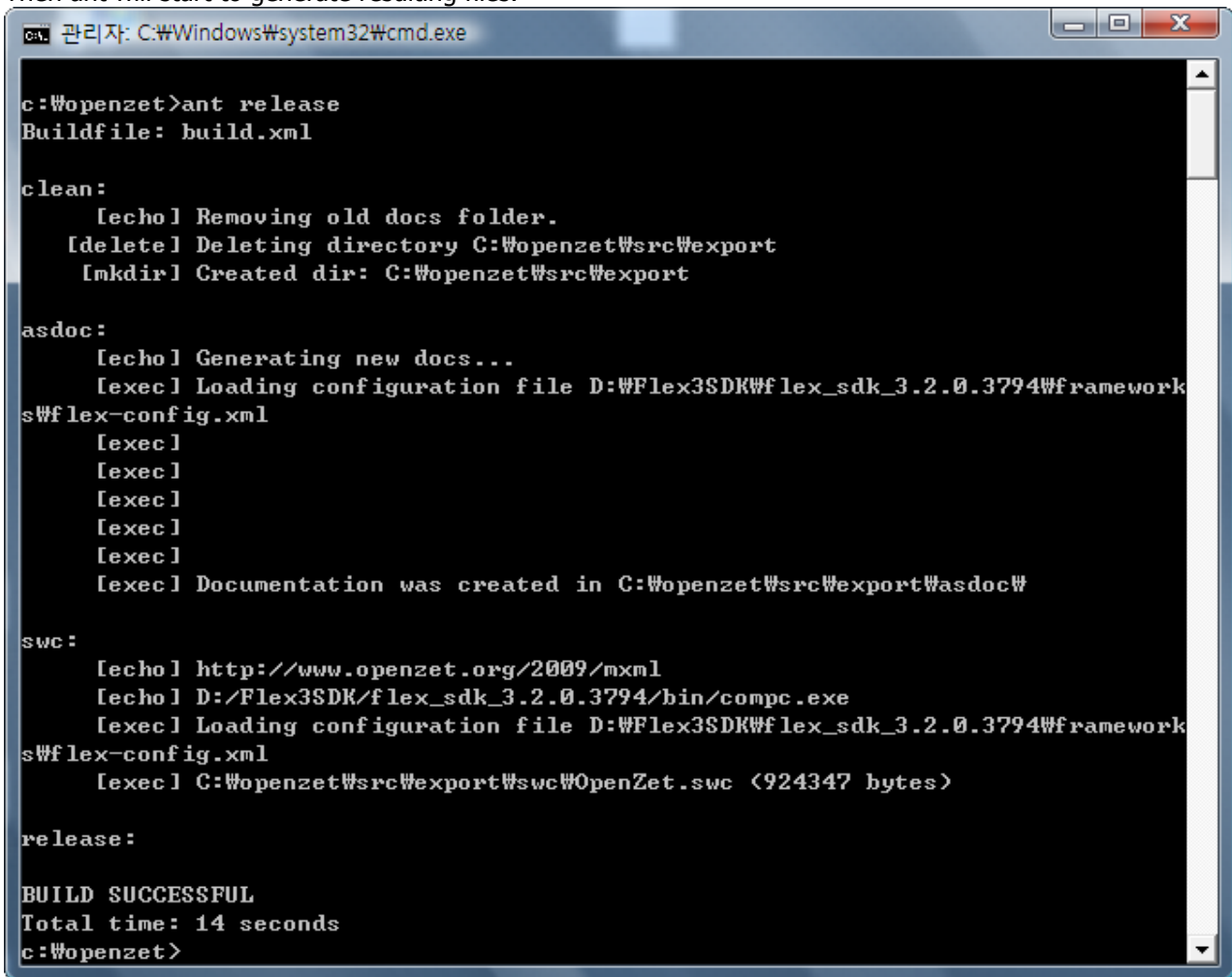
```
관리자: C:\Windows\system32\cmd.exe

c:\wopenzet>ant
Buildfile: build.xml

help:
  [echo]
  [echo] 'OpenSource OpenZet Project' build
  [echo] -----
  [echo] 사용가능한 Ant 명령 리스트:
  [echo]
  [echo] release    --> ASDoc과 SWC컴포넌트를 생성한다.
  [echo] swc        --> SWC컴포넌트를 생성한다.
  [echo] asdoc      --> ASDoc문서를 생성한다.
  [echo]

BUILD SUCCESSFUL
Total time: 0 seconds
c:\wopenzet>
```

To run the tasks defined in 'build.xml', you should type 'ant [taskname]'.  
For example, to create swc and ASDoc provided by OpenZet source, you should type 'ant release'.  
Then ant will start to generate resulting files.

A screenshot of a Windows command prompt window titled "관리자: C:\Windows\system32\cmd.exe". The window shows the execution of the 'ant release' command. The output is as follows:

```
c:\Wopenzet>ant release
Buildfile: build.xml

clean:
    [echo] Removing old docs folder.
    [delete] Deleting directory C:\Wopenzet\src\export
    [mkdir] Created dir: C:\Wopenzet\src\export

asdoc:
    [echo] Generating new docs...
    [exec] Loading configuration file D:\Flex3SDK\flex_sdk_3.2.0.3794\frameworks\flex-config.xml
    [exec]
    [exec]
    [exec]
    [exec]
    [exec]
    [exec] Documentation was created in C:\Wopenzet\src\export\asdoc\

swc:
    [echo] http://www.openzet.org/2009/mxml
    [echo] D:/Flex3SDK/flex_sdk_3.2.0.3794/bin/compc.exe
    [exec] Loading configuration file D:\Flex3SDK\flex_sdk_3.2.0.3794\frameworks\flex-config.xml
    [exec] C:\Wopenzet\src\export\swc\OpenZet.swc (924347 bytes)

release:

BUILD SUCCESSFUL
Total time: 14 seconds
c:\Wopenzet>
```

Retrieved from "[http://www.openzet.org/wiki\\_en/index.php/Build](http://www.openzet.org/wiki_en/index.php/Build)"