

# Date Build Number

## General Info

Author	Xavier Seignard
Type	free, open-source

## Description

## Date Plugin

[datePlugin.jar](#)

A stupid simple plugin that allow you to use the pattern `{date}` in your build number in order to get the current date. The plugin works well, but improving it would be a good idea.

Furthermore, it a good start to see how to create plugins.

Here is the `DateBuildNumber.java`

```
package com.sncf.gl.apps.teamcity.plugins.datebuilnnumber;

import java.text.SimpleDateFormat;
import java.util.Date;

import jetbrains.buildServer.serverSide.BuildServerAdapter;
import jetbrains.buildServer.serverSide.SBuildServer;
import jetbrains.buildServer.serverSide.SRunningBuild;

import com.intellij.openapi.diagnostic.Logger;

public class DateBuildNumber extends BuildServerAdapter
{
    private final static Logger LOG = Logger.getInstance(DateBuildNumber.class.getName());

    private static final String DATE = "{date}";

    // Constructor
    public DateBuildNumber(SBuildServer aBuildServer)
    {
        System.out.println( "### DateBuildNumber adding listener=" + this );
        LOG.info("### DateBuildNumber adding listener=" + this);

        // Register with TC
        aBuildServer.addListener(this);
    }

    public void buildStarted(SRunningBuild build)
    {
        String buildNumber = build.getBuildNumber();
    }
}
```

```
// Logging in "teamcity_install_dir\logs\stdout_XXXX.log"
System.out.println("### DateBuildNumber plugin : buildStarted");
LOG.info("### DateBuildNumber plugin : buildStarted");

// If the build number contains the DATE = "{date}" pattern we replace it by the current date.
if(buildNumber.lastIndexOf(DATE) > -1)
{
    build.setBuildNumber(buildNumber.replace(DATE, createBuildNumber()));
}
else
{
    System.out.println("### DateBuildNumber plugin, no {date} pattern found");
    LOG.info("### DateBuildNumber plugin, no {date} pattern found");
}
}

public String createBuildNumber()
{
    Date currentBuild = new Date();
    // Here you can modify the date format
    // Please refer to the javaDoc :
    // http://java.sun.com/j2se/1.5.0/docs/api/java/text/SimpleDateFormat.html
    SimpleDateFormat sdf = new SimpleDateFormat("dd.MM.yy-HH'h'mm");
    return sdf.format(currentBuild);
}
```

```
}
```

And the build-server-plugin.xml :

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE beans PUBLIC "-//SPRING//DTD BEAN//EN"
"http://www.springframework.org/dtd/spring-beans.dtd">
<beans default-autowire="constructor">
  <bean id="date" class="com.snfc.gl.apps.teamcity.plugins.datebuilnnumber.DateBuildNumber"/>
</beans>
```

## See Also

[forum topic](#)