

European Student Card Number Generator

Each card MUST be identified by an unique number : the European Student Card Number (ESCN). This number is a unique universal identifier (UUID) generated according to the standardized algorithm in RFC-4122.

ESCN Example : `e6480dc0-9fba-1035-a6bd-001932465463`

To facilitate the integration in your institution's workflows, libraries are available for Java .NET and PHP programming.

See the github repositories : github.com/EuropeanStudentCard

Libraries

Each library contains an unique Class UuidFactory and an unique method getUuid to get the ESCN. This method needs 2 parameters :

- `pic` : String representing the Participant Identification Code (PIC) of your institution (`932465463`) prefix :
- Integer representing the computer in your institution that will call the library.

Example : if all the cards of your institution will be initialized from 2 servers, the first one need to passe the value `1` and the second the value `2` . This is extremely important to ensure the uniqueness of ESCN.

Jar	Download the library file : escn-generator-1.1.0.jar
-----	--

Maven	<pre><dependency> <groupId>eu.europeanstudentcard</groupId> <artifactId>escn-generator</artifactId> <version>1.1.0</version> </dependency></pre>
-------	--

Java Doc

MODIFIER	TYPE	METHOD AND DESCRIPTION
static	java.lang.String	getEscn (java.lang.Integer prefix, java.lang.String pic)

Example

```

import eu.europeanstudentcard.esc.EscnFactory;
import eu.europeanstudentcard.esc.EscnFactoryException;

public class PrintESNC {

    public static void main(String[] args) {

        try {
            System.out.println(EscnFactory. getEscn(1, "932465463"));
        } catch (EscnFactoryException | InterruptedException e){
            e.printStackTrace();
        }
    }
}

```

.Net

Download the library file : [esc-uuid.dll](#)

Doc

TYPE	METHOD AND DESCRIPTION
Object.String	GetUuid (int prefix, Object.String pic)

Example

```

using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using esc_uuid;

namespace PrintESNC
{
    class Program
    {
        static void Main(string[] args)
        {
            UuidFactory factory = new UuidFactory();
            System.Console.WriteLine(factory.GetUuid(1, "932465463"));
        }
    }
}

```