

## Creating New VPL (Visual Programming Language) for PWCT – Lesson (2)

In this lesson we are going to learn how to create new component inside PWCT

At first we will use NewVPLPWCT

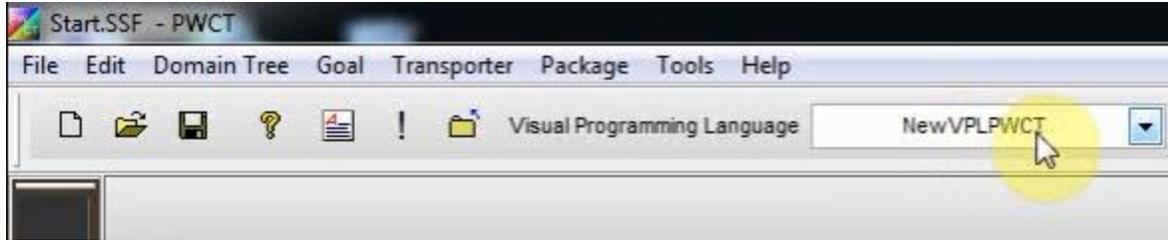


Fig.1

We will start our work by creating new domain inside the domain tree.

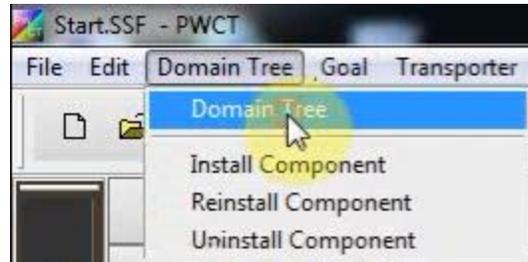


Fig.2

Click "New Root"

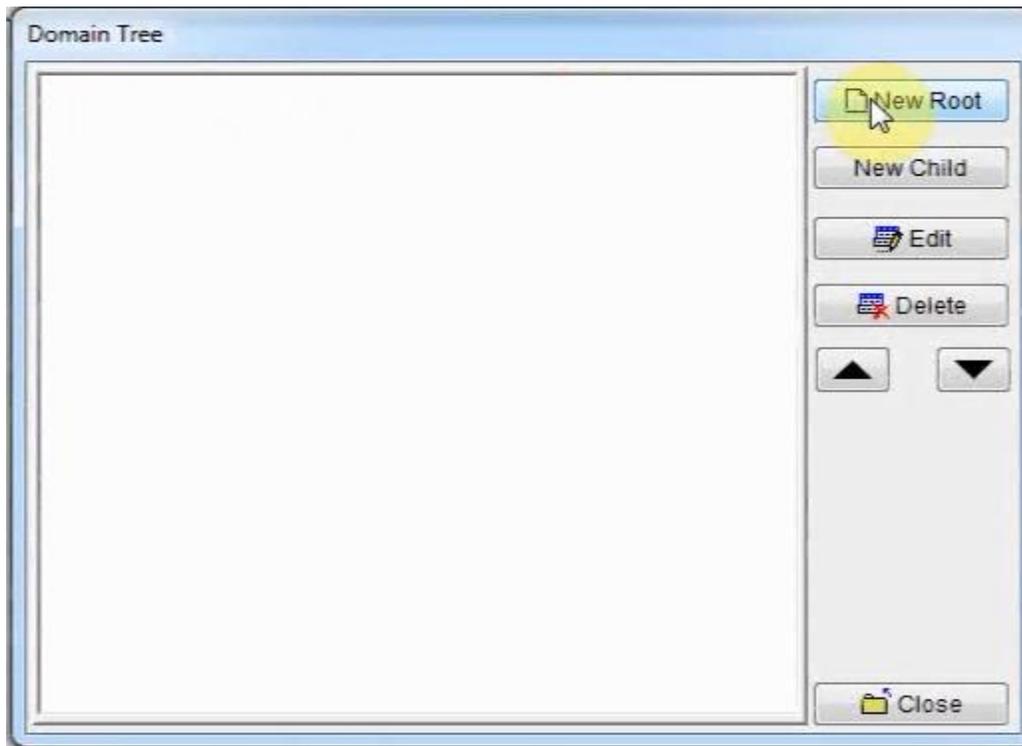


Fig.3

Determine the domain name, for example “User Interface” then click “Close”

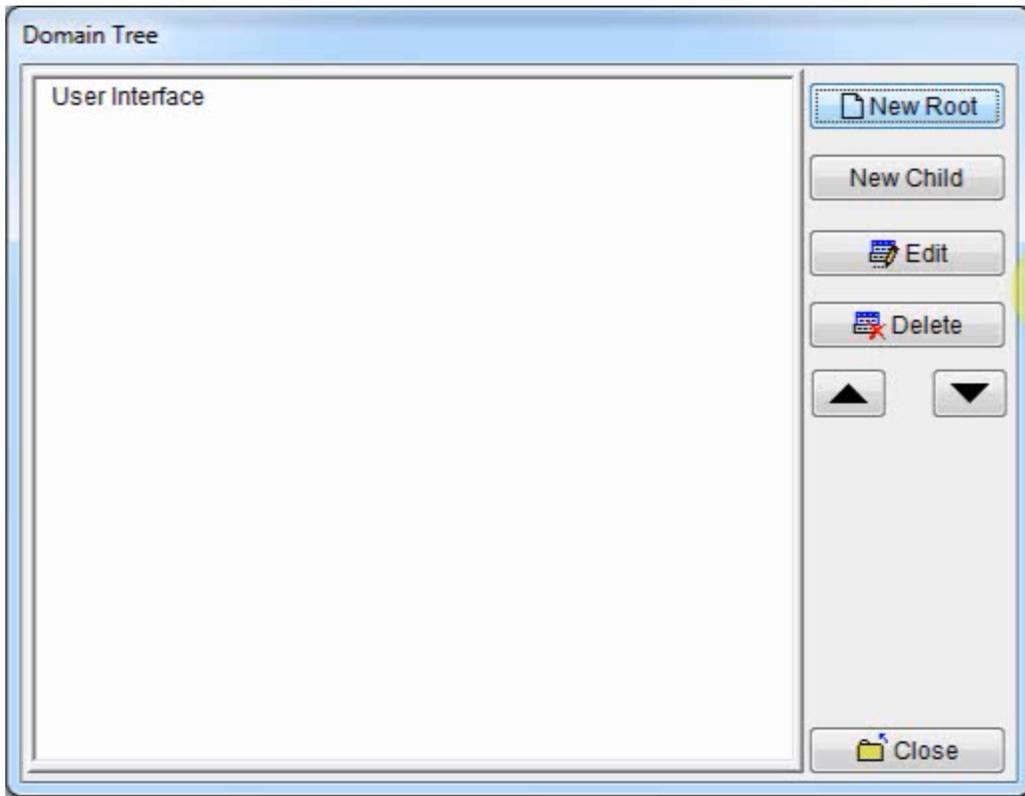


Fig.4

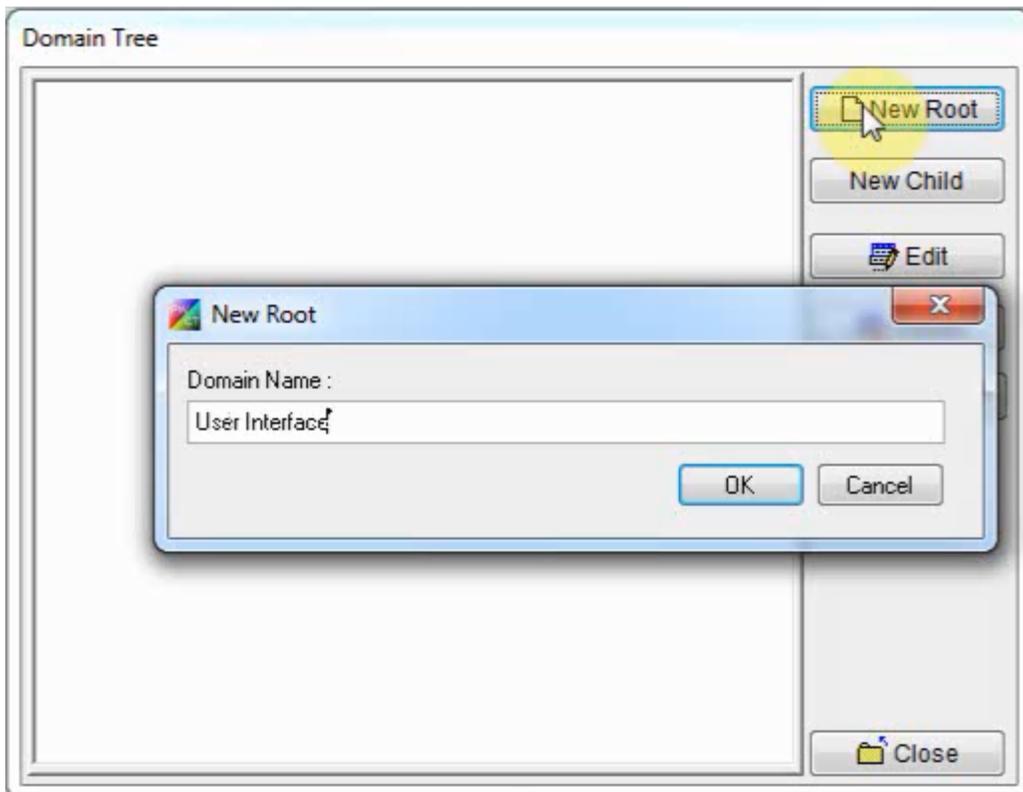


Fig.5

The component inside PWCT is called Transporter

The transporter get data from the user then generate steps inside the steps tree

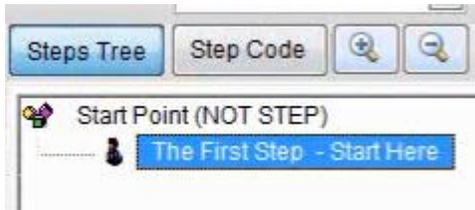


Fig.6

And generate the step code in the background.

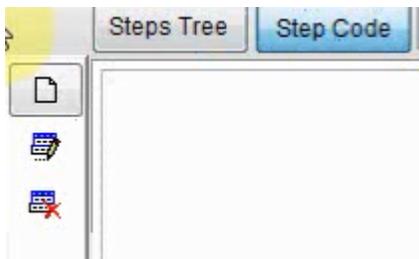


Fig.7

This process (Steps/Code Generation) is controlled using the Code Mask script.

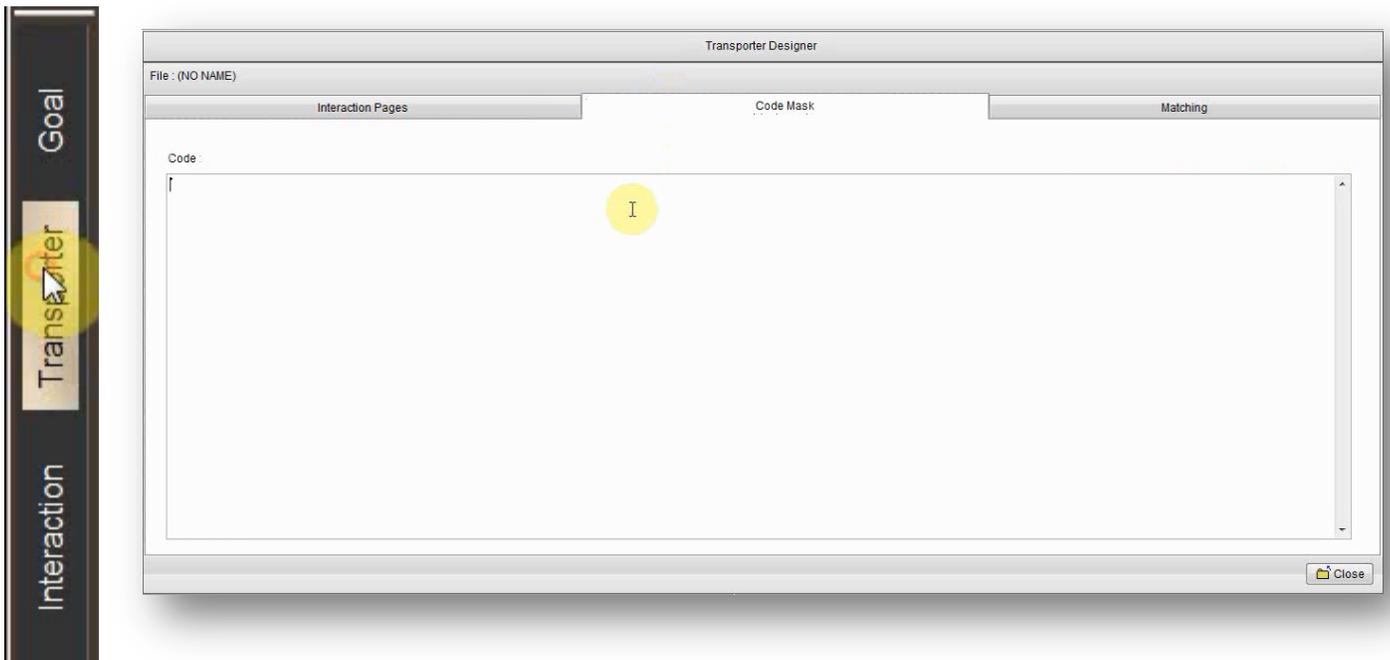


Fig.8



The code mask is a very simple script and we will learn how to write it.

We will create a very simple component

This component will type a “Hello World” message on the screen

To do this we will write the code mask script which will create a new step and determine the step code

Code Mask Script

```
<RPWI:NEWSTEP> Hello World  
Hello World
```

The code mask script contains two lines, the first uses the command <RPWI:NEWSTEP> To create new step carry the title Hello World

And the second line in the code mask determine the step code to be Hello World where the step code is written directly in the code mask script

Note: RPWI = **R**ea**P**rogramming **W**ithout **C**oding

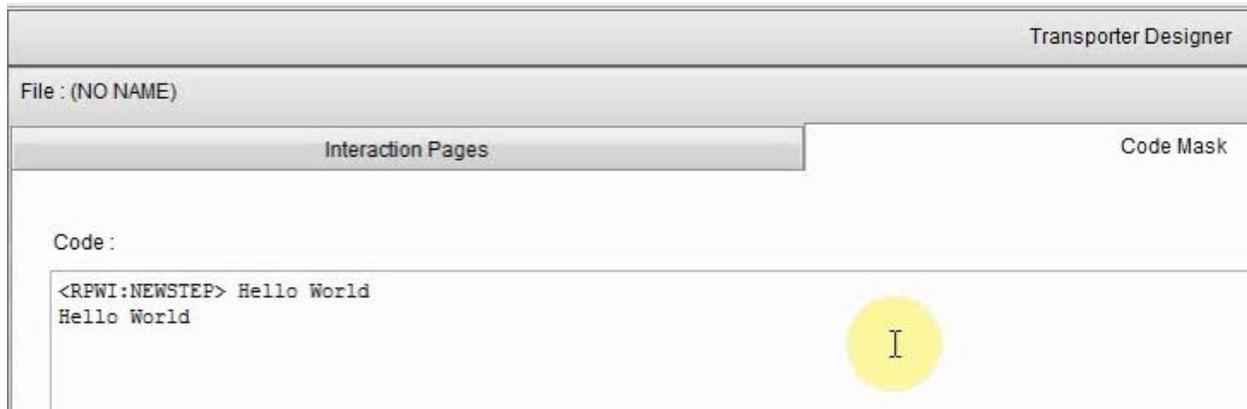


Fig.9

Now save the component

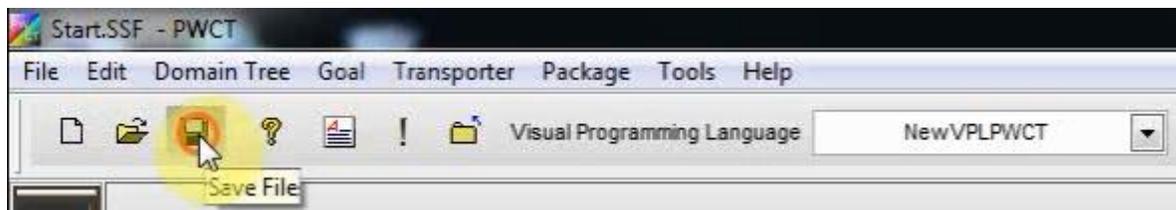


Fig.10

Determine the location and the name of the component file

C:\SSBUILD\NewVPL\Components\TRF\HelloWorld.TRF

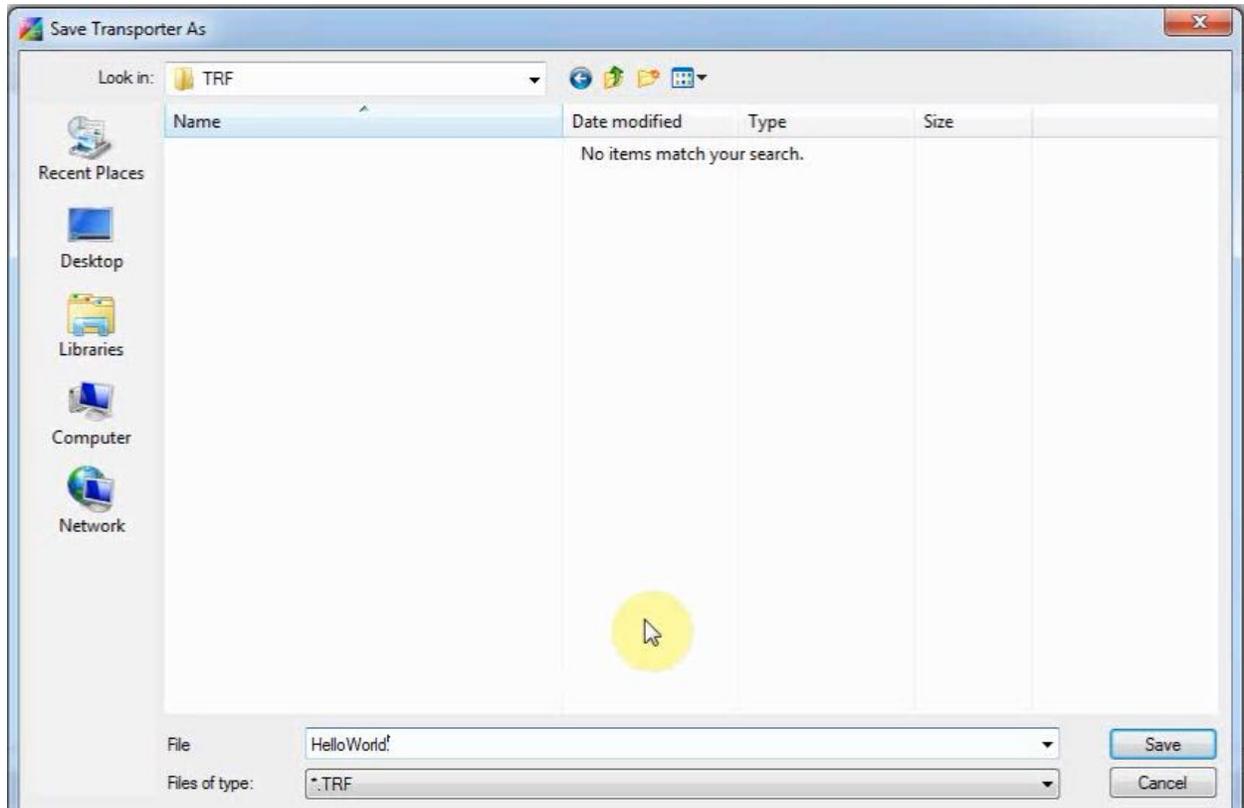


Fig.11

After creating the component and before using the component we have to install this component into our domain

To do this, click (Domain Tree) then select (Install Component)

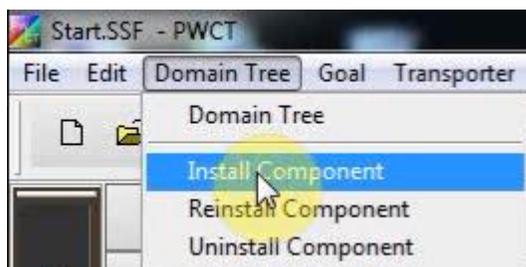


Fig.12

Component name: Hello World

Component file: C:\SSBUILD\NewVPL\Components\TRF\HELLOWORLD.TRF

Domain: User Interface

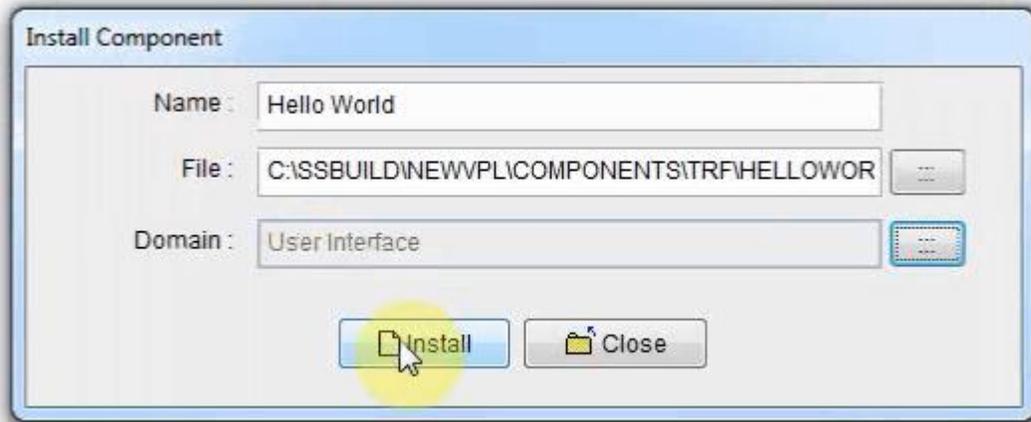


Fig.13

Now we can use the component, Click (Interact)

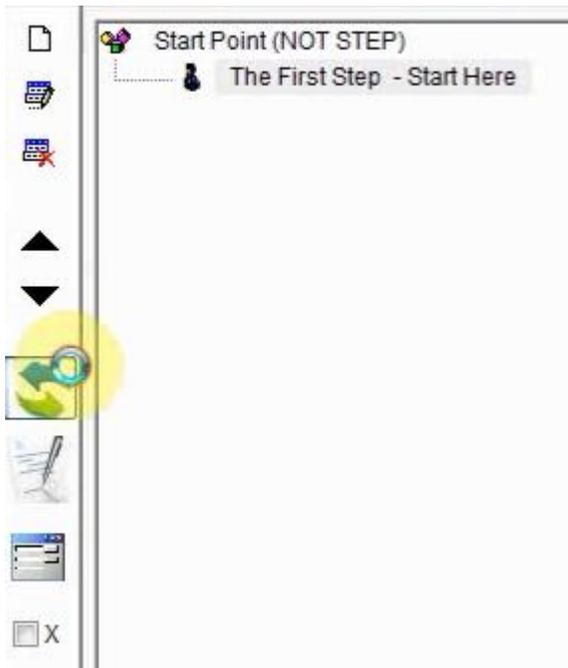


Fig.14

Select the domain (User Interface) then select the component (Hello World)

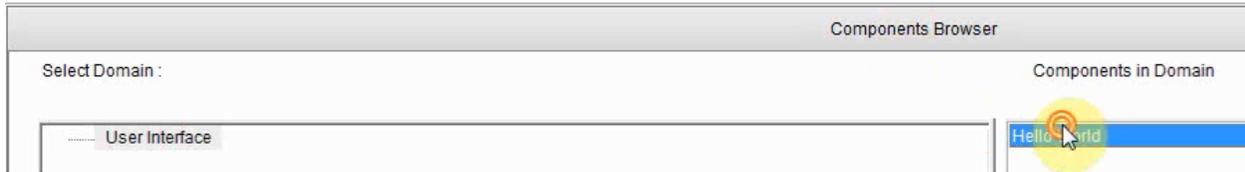


Fig.15

Click (!) to run

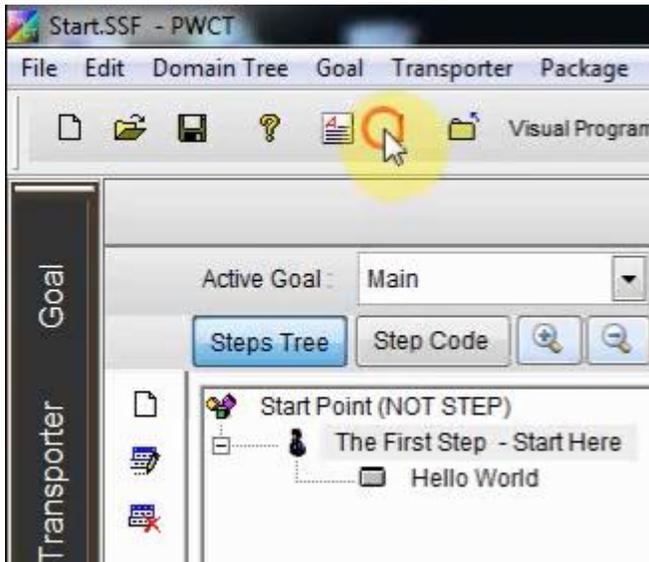


Fig.16



Fig.17