

# SecondLife CICP Adapter - User manual

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## 1 SecondLife CICP Adapter - User manual

This page explains how to use the version (1.2) of the SecondLife CICP Adapter. Read the section Quick Start to get started immediately.

## 1.1 Quick Start

Follow these instructions for the quickest way to get a graph inside SecondLife.

1. Rez slcicp somewhere.
2. Wait until it loaded configuration.
3. Click it and choose “Rez prims” from the menu.
4. Wait until it finished rezzing prims.
5. Click it and choose “Gateway” from the menu.
6. A sphere appears above the slcicp prim.
7. Move it where your graph should be and click it to start.
8. Click the new sphere that appeared and select the gateway.
9. Wait until the graph cube comes up and click it.
10. Select the graph you want.
11. Enjoy!

## 1.2 Configuration

Before you start with graphing, you may want to configure the SecondLife Adapter. The configuration is stored in the file **config** inside the slcicp prim. Read the section **How to open configuration** to get to know how you can change the config file.

### 1.2.1 How to open configuration

To change the value of a config variable, you have to edit the notecard **config** in your slcicp prim.

To be able to do this, you have to rez the slcicp prim and do a right-click on it and select “Edit”. An additional window will pop up (mostly on the right side) giving you some general information about the prim. Change to the tab “Contents”, where you should have listed the contents of the slcicp prim.

Double-click the notecard **config** (inside the slcicp prim contents) and wait for it to be loaded. Don’t forget to save the file after you made changes to it.

### 1.2.2 The config file syntax

Every line in the config file can set one variable. Empty lines will be ignored as well as any whitespaces. If `##` appears, the rest of the line will be ignored (use it for commentary).

The basic syntax of a line to set a variable is like so

```
<variable_name> <variable_value>
```

This sets the variable `<variable_name>` to the value `<variable_value>`. Any preceding and following whitespace will be ignored as well as any whitespace between these two. The following example would lead to the same result:

```
<variable_name> <variable_value> ## yeeha , a comment!
```

The config file is read from top to bottom, which means, that the latest variable setting will be taken. For example if you define the same variable twice in the **config** file, only the last definition will be taken.

### 1.2.3 The config variables

There are some variables recommended to change if you want to start graphing. Each variable is commented in the config files and provides small information about what it's doing. Here are some further explanations you might want to read:

| * | Variable name        | values                | description   |
|---|----------------------|-----------------------|---|
| * | cicp_url             | string (url)          | the valid url of your hub on the your server  |
|   | ssl                  | bool (true/false/1/0) | indicates use of ssl while cicp communication   |
|   | sheep_prims          | integer               | how many cicp prims should be rezzed (check for the region limitations)                 |
|   | prim_channel_offset  | integer               | sets a minimum offset from 0 for the channels of cicp prim communication                |
|   | graph_channel_offset | integer               | offset from 0 for channel used by entire graphs to communicate                          |
|   | cicp_hub_name        | string                | title or name of the cicp hub; this aesthetic variable does not influence functionality |

Rows marked with \* are important for basic functionality. Please have a closer look to these variables and set them accordingly.

### 1.3 CICP Prim Interaction

The cicp prim rezzed by the slcicp prim are able to fulfill the various needs of the CICP protocol. The CICP hub can send instructions to the cicp prim to change their shape and most of the other properties the prim has. Additionally, every cicp prim is able to indicate highlighting, show titles and provide menus.

When the cicp prim is in use, which means the CICP hub has modified them, they react on touches to toggle highlighting and title and display menus as listed in the following table:

| Touch # | What happens?  |
|---------|--|
| 1       | prim gets highlighted and toggles title display      |
| 2       | prim displays a menu                                 |
| 3       | prim turns highlighting off and resets touch counter |

The number in the column **Touch #** indicates the number of touches/clicks on the prim to act like described in the column on the right.

### 1.4 The slcicp Menu

When clicking the slcicp prim, it shows up a menu with a few different actions:

- **Gateway Rez** Rez a new gateway prim (green sphere)
- **Rez prim** Rez cicp prim
- **Delete** Delete all cicp prim
- **Reset** Reset all cicp prim
- **Reload conf** Reload the configuration file

The actions **Delete** and **Reset** work on all cicp prim in the region, so if you want to clean up the space or run into problems, just select "Reset", which will reset **all** cicp prim (even they're in a graph) in the region and move them to the slcicp prim.

If you have made changes to the configuration file, **Reload conf** forces the slcicp to reload it and updates it in every cicp prim. Be careful when changing the cicp\_url, as the cicp prim will continue to use the new url you set in the configuration file. Perform a "Reset" first if you want to be on the secure side.

Be aware, that **Rez prims** will rez the amount of prims defined by `sheep_prims` in the config file in **every case** without checking if there are already rezzed prims. Perform **Delete** first to make sure you don't double the cicp prims by accident.

Note: It is **not** a good idea to perform **Rez prims** several times with the goal to have more cicp prims. The cicp prims are numbered and this will create several conflicts. If you want to have more cicp prims, raise the number of `sheep_prims` in the config and **Delete** the existing ones, **Reload conf** and **Rez prims**.

## 1.5 The Gateway Prim

The gateway prim is your start point to create graphs. A touch on it and the the CICP communication starts. After this touch, you will have not chance to change the position where the graph will be created.

So please move the gateway prim first to the position where you want the graph's origin to be, and then touch it.

Tip: Drag the gateway prim `cicp_start` directly from inventory onto the ground where you want the graph to be - touch it and it will create the graph on the position where you placed the prim.

## 1.6 FAQ/Help guide

### 1.6.1 Q: I'm getting the error "not enough cicp prims" or similar.

A: The graph you want to create needs more cicp prims to be fully displayed. Delete the cicp prims and raise the number of total prims in the config (variable `sheep_prims`), then perform **Reload conf** to load the changes and rez the prims again with **Rez prims**.

### 1.6.2 Q: I messed it up! / My graphs going crazy! / Somethings wrong! / Basic help

A: If something is going wrong or you think you lost control over your cicp prims, try resetting all prims with **Reset** in the `slcicp` menu. If that does not help, try the following:

1. Delete the prims with **Delete**
2. Do a reload of configuration with **Reload conf**
3. Re-rez the prims with **Rez prims**

**1.6.3 Q: The slcicp prim says something about config variables which I don't understand.**

A: Read carefully what the prim is saying to you - there seems to be a conflict with your configuration. Try to follow the instructions and reload the config (**Reload conf**) when made the changes (don't forget to save the config file).

Check our wiki on <http://wizardsguild.pbworks.com/SecondLife-CICP-Adapter-Feature-Plausibility-check-for-configuration-values> for more information.

**1.6.4 Q: I get the error "Config variable XY not found."**

A: Compare your config file to the one you received with your slcicp. Make sure that every variable in the default config file is defined in your config file. If this is the fact, make sure you tried to reload the conf with **Reload conf**.

If the error comes up again, report the error message into the issue tracker (<http://code.google.com/p/cicp/issues/list>) - seems you have discovered a bug in the slcicp source.

**1.6.5 Q: I get the error "Could not rez cicp starter prim ... not in object's inventory."**

A: The slcicp prim could not find the gateway prim in its inventory. Please make sure that if you created the slcicp prim from the repo sources, that you put the objects into the slcicp prim and named it correctly.

If you purchased this version over XStreetSL, it may have broken. Please purchase another copy and try again.

**1.6.6 Q: I get the error "No configuration found ... using default config."**

A: Make sure the slcicp prim contains the configuration file **config** and that it is named correctly. See also FAQ above ("Could not rez cicp starter prim...").