

# C2PC ICSF Interface Layer (CIIL) Version 2.3.0.0

## Installation Instructions

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## CIIL Installshield Installation Instructions

1. The C2PC ICSF Interface Layer (CIIL) software package runs on Windows 2000. See the ICSF software documentation for specific system minimum requirements.
2. CIIL is delivered on a single CDROM media packaged as an NTCOE Segment and a Windows 2000 Installshield MSI installation: The MSI files include:
  - Autorun.inf – instructions for which program to automatically start after the CD has been inserted in the CDROM drive (assuming the computer is configured to autorun CDs).
  - Data1.cab – archive file containing the source files for installation.
  - C2PC ICSF Interface Layer.msi – Microsoft Windows installer configuration file.
  - Setup.exe – File that launches the Microsoft Windows Installer based installation.
  - CIIL Installshield Installation Instructions.doc – this file.
  - CIIL.doc – boiler-plate text for user guide use.
  - CIIL.faq – useful information on CIIL.
3. To install CIIL via the MSI installer, follow these steps:
  - a. Log on to Windows as the administrator: When the “Log On To Windows” dialog appears, enter the following information:
    - i. User name: <administrator> (or an account with administrator privileges).
    - ii. Password: <enter the password>.
    - iii. Click on the “OK” button.
    - iv. The administrator settings should load, and the administrator desktop should appear. Contact your system administrator if you are unable to complete this step.
  - b. Install C2PC Client Version 6.0.2 or higher. Refer to the C2PC documentation for detailed instructions on installation of C2PC.
  - c. Install NSI ICSF version 4.5.2.0 P7 or higher using the ICSF Windows installation package.
  - d. Install CIIL.
    - i. Insert the CIIL distribution CD. It should automatically start the CIIL installation program. If it does not auto-run, browse to the CD and double click on Setup.exe. Follow the prompts to install CIIL.
    - ii. Once the installation is complete, remove the CIIL distribution media from the CD drive.
4. Follow these steps to access ICSF functionality from C2PC.
  - a. Start C2PC Client.
  - b. Open Tools>Injector Manager.
  - c. Under Available Injectors select CIIL and click on OK.

An item that reads CIIL has been added to the Tools Menu. When you select Tools>CIIL the JavaMapInjector will start and host a java process that runs a subset of ICSF. This subset provides access to the ICSF APIs. Calling the ICSF APIs from the JavaMapInjector will retarget the call to C2PC.

5. CIIL comes pre-configured to run with the NTCOE ICSF runtime segments or the NSI (Non-segmented install) installation of ICSF. In these two environments you will not need to change any configuration files.
6. You can run CIIL with ICSF software develop kits (installed by unzipping the ICSF SDK segments). Normally only developers using CIIL would do this. After the install you will need to make a few configuration changes to run with the ICSF software develop kits.

- a. Locate and run the setup.exe file for CIIL.
- b. Once the installation completes edit C:/Program Files/USMC/CIIL/JavaMapInjector.properties with notepad or other ASCII editor. Find this line:

```
environment.load.prefix.1=env.rte
```

and change it to read:

```
environment.load.prefix.1=env.sdk
```

- c. Next you will need to set two environment variables by adding the following lines:

```
CIIL_HOME=C:/Program Files/USMC/CIIL  
CIIL_ICSF_HOME=<location of your ICSF SDKs>
```

### ***Additional Notes for Developers:***

Note that CIIL runs as a C2PC Map Injector so the environment that CIIL runs under will be the environment that C2PC starts with. You can set CIIL\_HOME, and CIIL\_ICSF\_HOME using My Computer, Properties, Advanced, Environment Variables, then restart C2PC.

As an alternative to setting the environment variables, CIIL\_HOME, and CIIL\_ICSF\_HOME, you can add lines to JavaMapInjector.properties to set them. Note that for JavaMapInjector.exe environment variables take precedence to variables set in JavaMapInjector.properties. However, JavaMapInjector.properties has a syntax that lets you set environment variables for the JavaMapInjector.exe. If you use this syntax, JavaMapInjector.properties will have the final say.

```
env.sdk.1.ciil.home: CIIL_HOME=C:/Program Files/USMC/CIIL  
env.sdk.1.ciil.icsf.home: CIIL_ICSF_HOME=<location of your ICSF SDKs>
```

In the unlikely case you have an `IRM_HOME` environment variable set, adding this line to the `JavaMapInjector.properties` file will overwrite the `IRM_HOME` for the `JavaMapInjector` program.

```
env.sdk.1.irm.home: IRM_HOME=${CIIL_HOME}/IRM
```

As an aid to debugging you can cause `JavaMapInjector.exe` to attach to a console window using this settings in the `JavaMapInjector.properties` file:

```
debug.show.console=true
```