
How To Configure CU*BASE Encryption

Configuring encryption on an existing CU*BASE installation

INTRODUCTION

This booklet was created to assist CU*Answers clients with the configuration of encrypted CU*BASE sessions.

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September 20, 2012

For an updated copy of this booklet, check out the Reference Materials page of our website:
http://www.cuanswers.com/client_reference.php
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GETTING READY

WORKSTATION REQUIREMENTS

Please ensure that prior to the installation that you are logged into the workstation as a user with local administrator privileges. Without local administrator privileges you will not be able to install or configure CU*BASE GOLD. To obtain administrator privileges, please contact your IT support provider.

*What does “local administrator privileges” mean?
Permissions are typically granted per user on workstations.
The user must have the ability to install programs and
modify files on the workstation to install CU*BASE GOLD.
The user does not need authority over the network (domain)
to install the software.*

Make sure that the workstation meets the minimum hardware requirements for running encryption, and that the workstation has network connectivity. Performance cannot be guaranteed on workstations that do not meet the minimum hardware requirements.

*Unsure of what the latest hardware requirements for
CU*BASE GOLD are? Visit the Best Practices webpage
below to find out!*

http://cuanswers.com/client_pm_bp_network.php

This document assumes that CU*BASE is already fully configured on the target workstation. If it is not, please follow the “How To Install CU*BASE GOLD” document from http://cuanswers.com/client_reference.php.

INSTALLATION METHODS

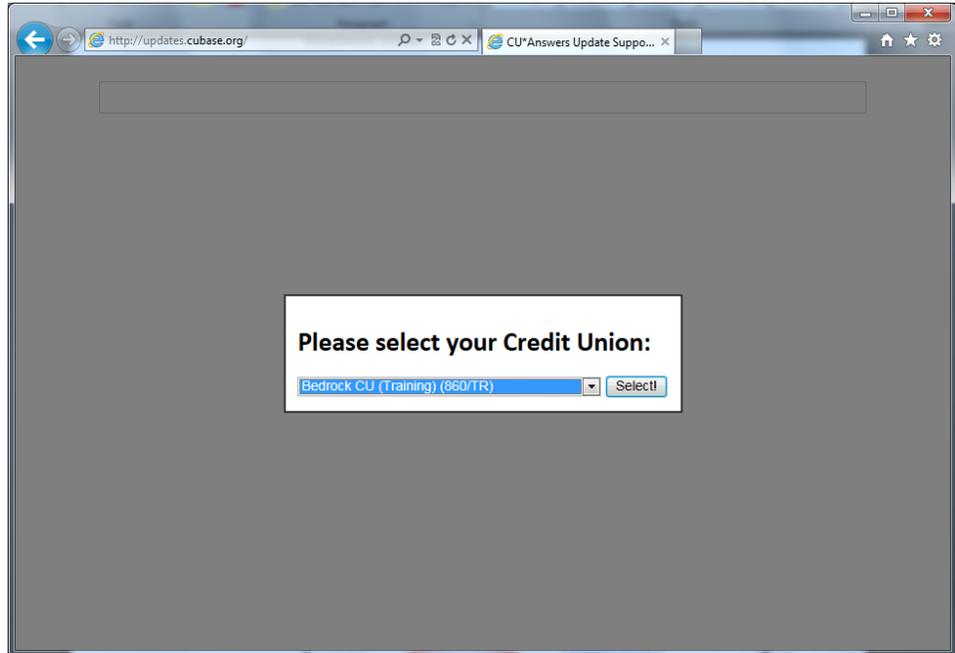
This document assumes that you are installing GOLD from a GUAPPLE (GOLD Update Appliance). The installation directories and files are identical on a CD. If you are installing GOLD from a CD, just replace all references to the GUAPPLE with your CD-ROM drive. The installation steps remain the same.

*Don't have a GUAPPLE? Contact CU*Answers Network
Services at 800-327-3478 option 3 or
helpdesk@cuanswers.com for more information!*

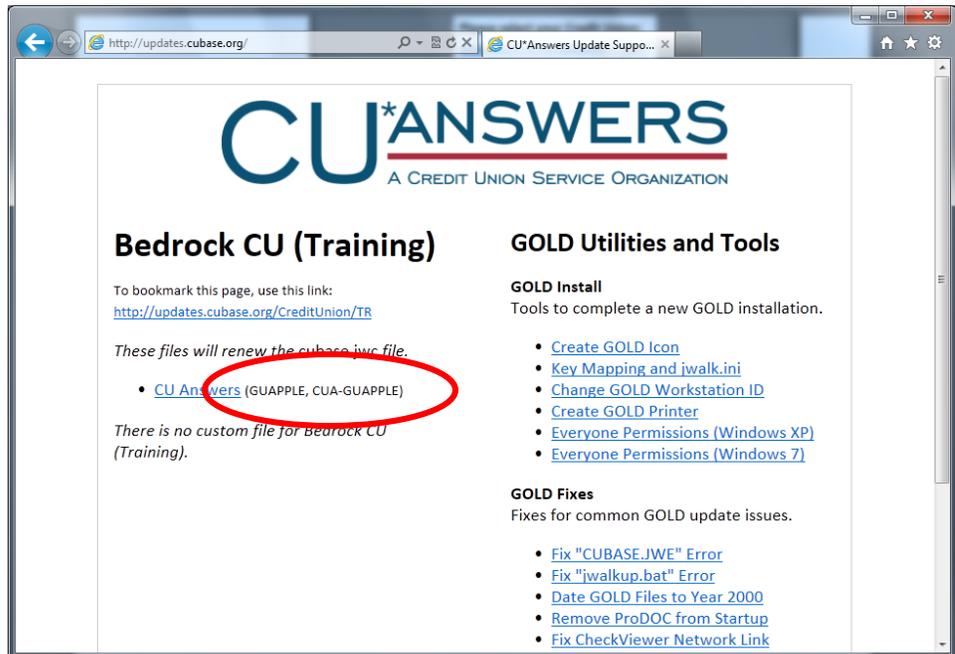
FINDING THE GUAPPLE NAME

Note: The GUAPPLE name will vary from branch to branch, so please make sure you are using the appropriate GUAPPLE. Attempting to install GOLD from the GUAPPLE at another location will likely cause corruption and installation issues.

To find the name of the GUAPPLE at your branch, open Internet Explorer and browse to <http://updates.cubase.org/> and select your Credit Union.



You will see a list of all your branches along with the GUAPPLE names. The GUAPPLE name is after the comma.



In the example above, the GUAPPLE name is "CUA-GUAPPLE."

REQUESTING THE SOFTWARE

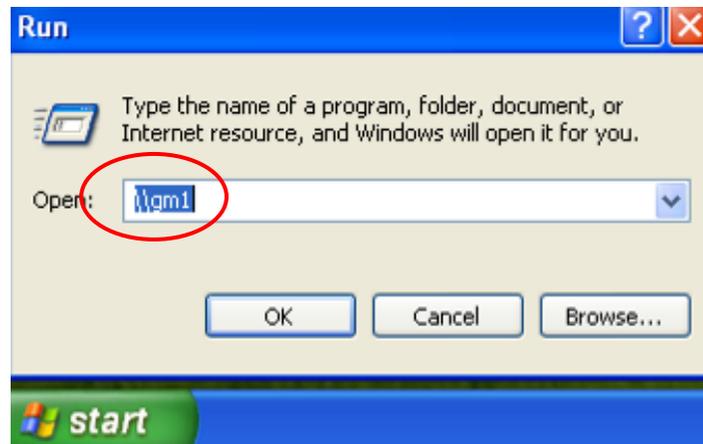
An updated version of the IBM iSeries Access for Windows application, now called System i Access for Windows, will need to be downloaded to your GUAPPLE before you can configure encryption.

If you do not see a “System i Access for Windows 7.1” directory on your installation source, please contact CU*Answers Network Services to coordinate a download of the installation software. You can contact Network Services at 800-327-3478 opt. 3, or via email at helpdesk@cuanswers.com

BROWSING TO THE GUAPPLE

If you are using a GUAPPLE as the installation source, you will first need to browse to the GUAPPLE at your branch. Click on the Start button, go to “Run” and type “\\GUAPPLE” as shown below. Replace “GUAPPLE” with the name of the GUAPPLE. Click “OK” to open the GUAPPLE.

If you are using Windows 7, you may not have an option for “Run.” Instead, types these commands in the text box at the bottom of the Start Menu.

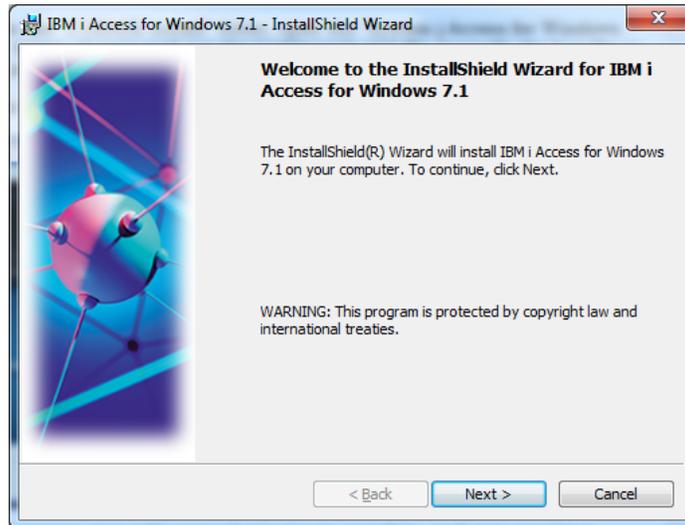


Once you browse out to the GUAPPLE you will see two folders: “CUBASE Install” and “updates.” Open the “CUBASE Install” folder.

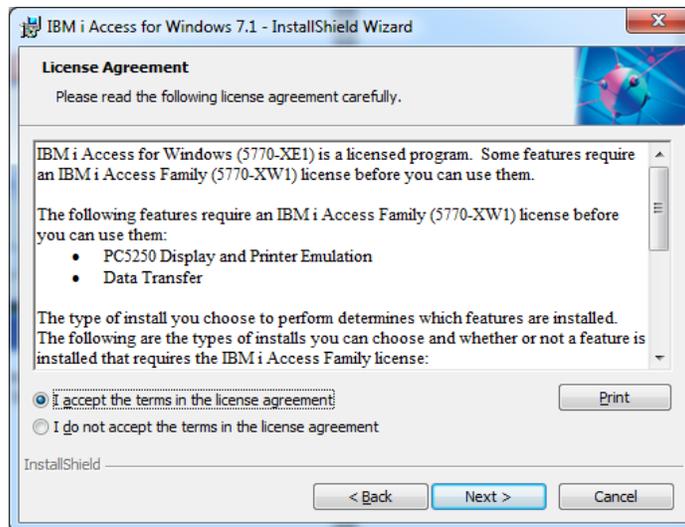
SYSTEM I ACCESS FOR WINDOWS UPGRADE

From the “CUBASE Install” folder, open the “System i Access for Windows 7.1” folder. Locate and run the “cwblaunch.exe” file (typically the last file in the directory listing). If prompted, click “Run.”

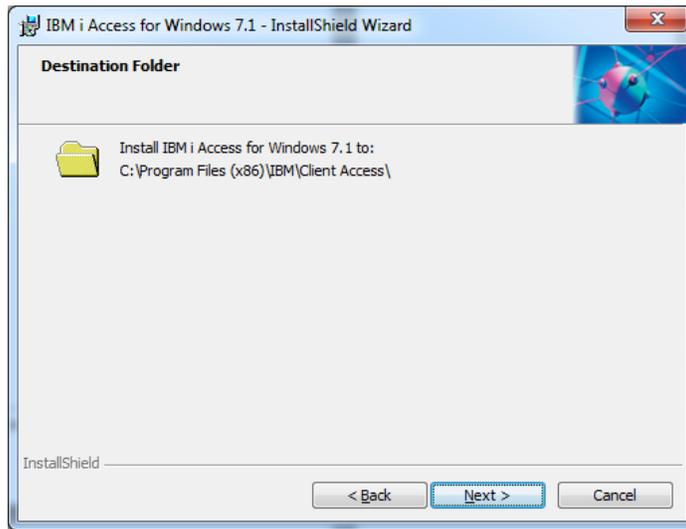
Click “Next” on the “Welcome” screen.



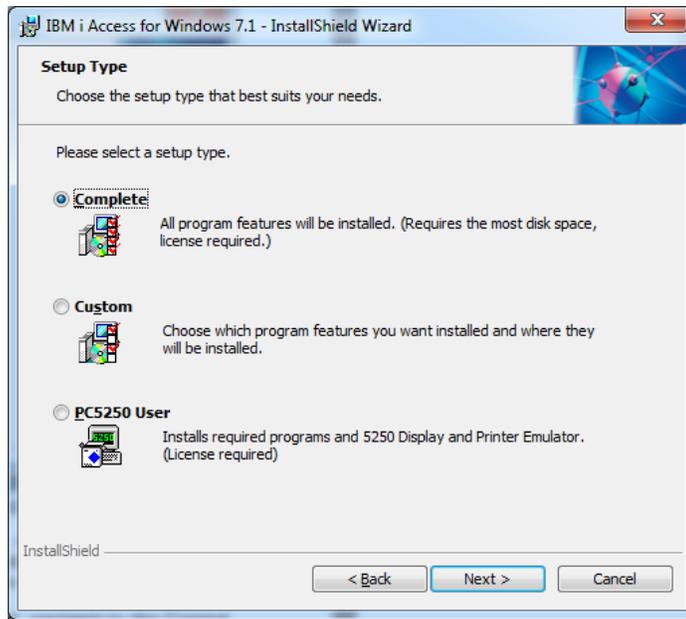
Accept the license agreement and click “Next.”



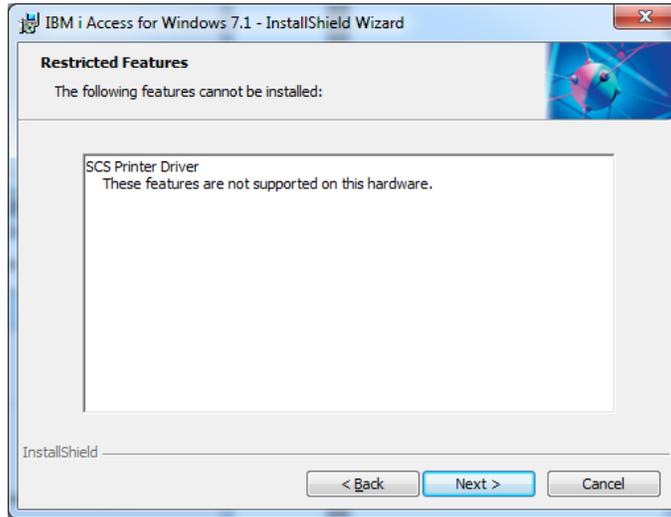
Leave the default installation folder and click “Next.”



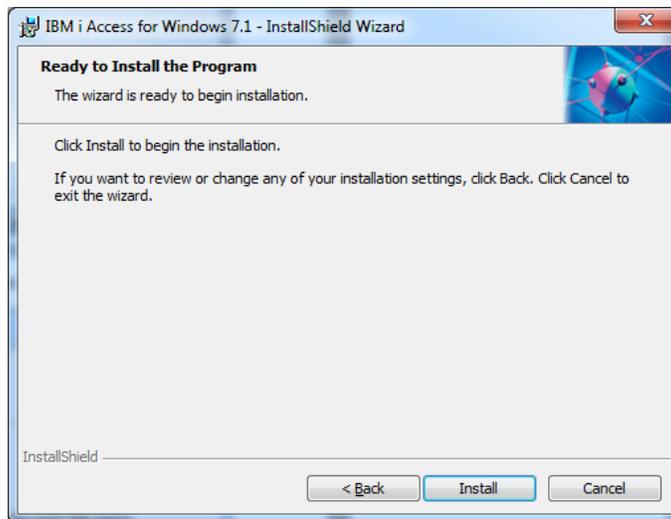
Select “Complete” for the Setup Type and click “Next.”



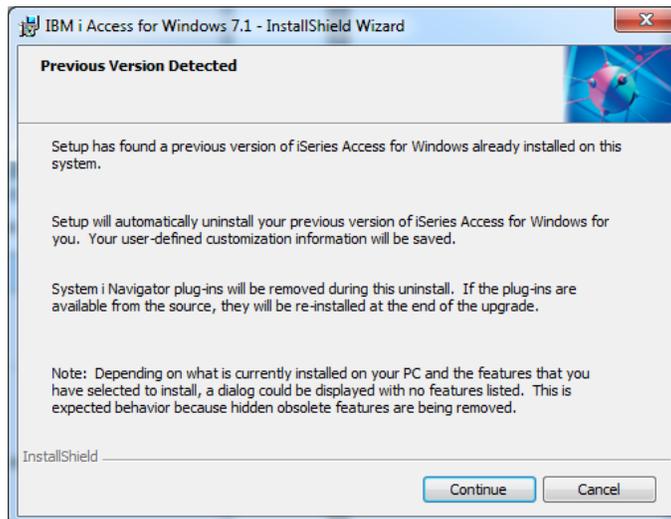
At this point, you may receive a warning that some features cannot be installed. This is normal on some workstations; click “Next” if you receive this screen.



Click “Install” to begin the installation.



The installer will inform you that a previous version was detected and will be removed and upgraded. This is expected. Click “Continue.”

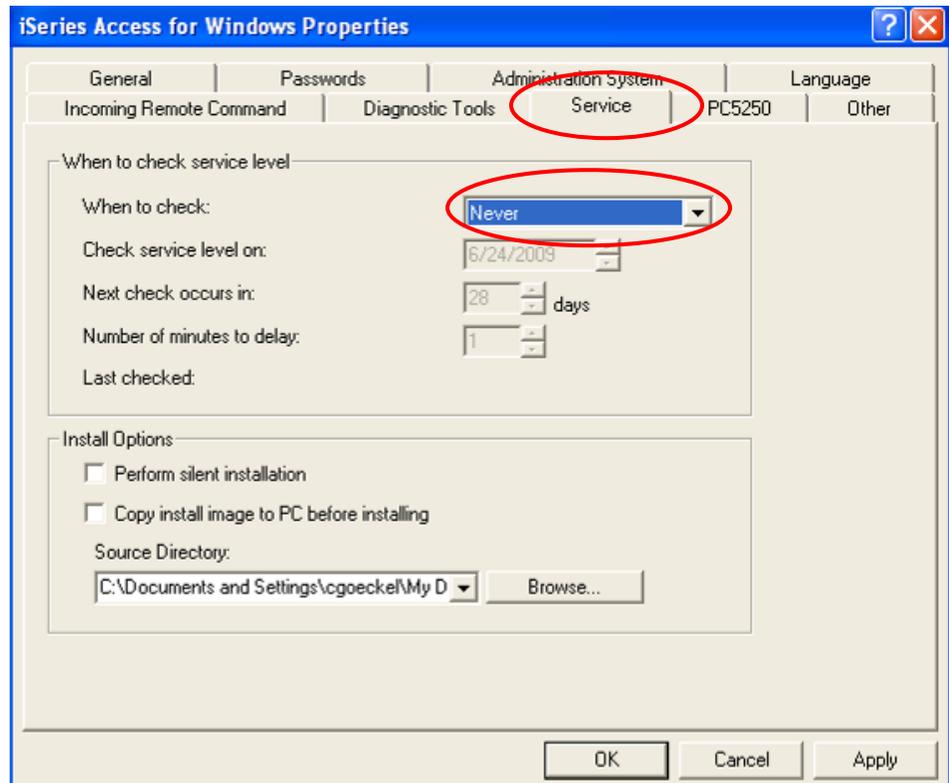


This process may take several minutes to complete, and may require a reboot. If prompted, you will need to reboot the workstation. Be sure to log back in with local administrative privileges after the reboot is complete!

Once System I Access for Windows has been installed, navigate to the Control Panel.

The Control Panel is located in different places depending on your workstation's configuration. Typically, the Control Panel is located on your Start menu in the right-hand column, or on the Start menu under the "Settings" folder.

In the Control Panel, open the "IBM i Access For Windows" applet. Select the "Service" tab, and set "When to check" to "Never." Click "Apply" then "OK." Close the Control Panel.



SYSTEM DOUBLE CHECK

Before turning on encryption, we will want to verify the following items to ensure a flawless transition:

1. GOLD launches properly and has a valid GOLD ID configured. If the workstation has an incorrect or invalid ID, or doesn't allow the user to log in, this could prevent encryption from applying. If you require assistance to troubleshoot, contact CU*Answers Network Services for assistance.
2. All print sessions are configured. The tool used in the following pages will automatically configure all existing sessions to use encryption. If not all sessions are created, you will need to back track through and manually apply the changes. To save time, it is recommended to create all print sessions at this step.
3. All print sessions launch and connect. If the print sessions do not work, this could prevent encryption from applying. If you require assistance to troubleshoot, contact CU*Answers Network Services.

Once all these have been verified, we are ready to enable encryption!

CONFIGURE ENCRYPTION

Configuring encryption is as easy as running a simple configuration tool. First, ensure that all GOLD and printer sessions are fully exited. The changes will not apply if any of the applications are running.

The next step is to download the configuration utility. In your browser, point the URL to:

http://updates.cubase.org/configure_encryption.exe

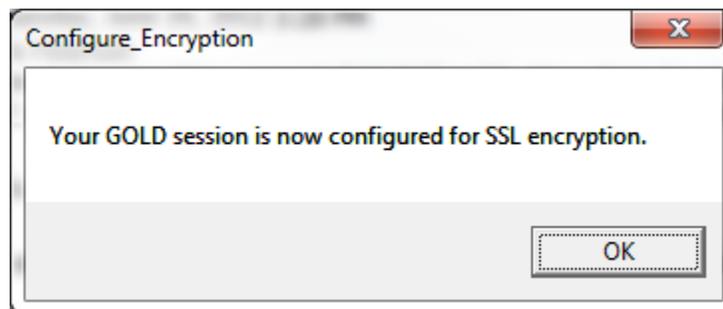
When prompted, **SAVE** the file to the local workstation.

Why do we need to save the file? This program extracts configuration files to your workstation and updates other existing configuration files. Security settings within Windows and other security applications may prevent this from happening if run directly from the web. It is strongly recommended that the file be downloaded before running.

Right click on the “configure_encryption.exe” program and select “Run As Administrator.”

Note: Encryption requires Windows 7. If you do not have a “Run As Administrator” option, check your Windows version.

The tool will run automatically. You will receive a prompt stating that encryption has been successfully configured.



At this point, you may launch all of your sessions.

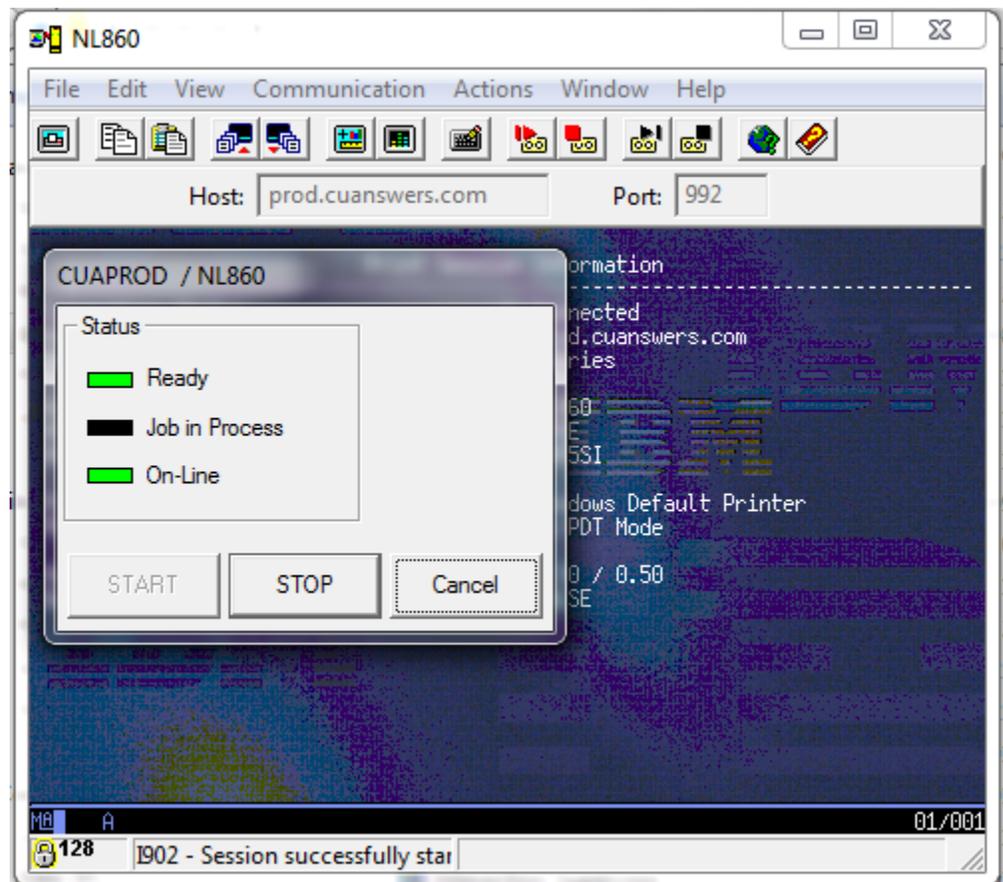
VERIFYING ENCRYPTION

So how do you verify that the sessions are actually encrypted? It is actually very easy to do!

PRINT SESSIONS

After successfully logging into a print session, look for the lock icon in the lower left hand corner. If you see this icon, the session is encrypted.

Example:



CU*BASE GOLD

After successfully logging into CU*BASE, right click on the title bar and select "About." You should see text that says "Secure CU*BASE GOLD." If you see this text, the session is encrypted. Example:



TROUBLESHOOTING

If you do not see the icons or text, please contact CU*Answers Network Services to troubleshoot your encryption installation.

APPENDIX A: WINDOWS 7

If you are installing CU*BASE GOLD onto a Windows 7 workstation, there are actually very few differences between it and the installation on Windows XP. Listed below are a few important things to keep in mind as you configure GOLD on a Windows 7 workstation.

UAC AND ADMINISTRATIVE PRIVILEGES

Windows 7 ships with a security feature known as *User Account Control*. This feature adds an additional layer of security to the Operating System and means, in short, that even if you are logged in as a user with local administrative privileges, programs are not running with those same elevate permissions.

If you want to learn about User Account Control, please refer to Microsoft's documentation, which can be found here: <http://windows.microsoft.com/en-us/windows-vista/What-is-User-Account-Control>

You can disable UAC, but it is not required to run CU*BASE GOLD. (We leave this decision up to your IT Manager.) If you do not have UAC disabled, it is very likely that any tool you attempt to run from <http://updates.cubase.org/> will not complete successfully.

When using the tools on the website, it is recommended you download the tool to your local PC first. Right-click on the downloaded program and select "Run As Administrator." This will grant the program the additional permissions it needs to update the GOLD configuration on the workstation.

Due to the way that UAC works, this step is required even if you are a local administrator on the workstation. For more information, refer to the Microsoft documentation reference above.

"EVERYONE PERMISSIONS" SCRIPT

One other key change with Windows 7 was that the application used to set file permissions was vastly expanded and renamed. The script that we wrote to set these permissions in Windows XP no longer works in Windows 7.

When you get to the "Everyone Permissions" script step in the "Finalization" section, you will notice two links. The second link is labeled "Windows 7" and this is the script you will want to run.

WHAT NEXT?

CONGRATULATIONS!

You have successfully configured session encryption for CU*BASE GOLD!

If you have any issues after completing this document, please immediately contact CU*Answers Network Services for support. You can reach CU*Answers Network Services at 800-327-3478, option 3, or by email at helpdesk@cuanswers.com.