



ProcessLogix R500.1 SP1 and R510.0 Control Builder Update 3

This document describes the following:

- contents of this update
- installation of this update
- problems resolved in this update

IMPORTANT

- This update should be installed on all R500.1 SP1 and R510.0 Servers and Engineering Workstations.
 - ProcessLogix Control Builder Update 3 is independent of Control Builder Update 2.
 - Prior installation of Control Builder Update 2 is not required for installation of Control Builder Update 3, but is recommended.
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Contents of Update

This update contains the following software:

- R500.1.1.8 Control Builder update
- R500.1.1.16 Control Builder update

Before You Begin

Before beginning the installation, you must download the appropriate file to your ProcessLogix Server(s) and Engineering Workstation(s):

IMPORTANT

Download the update that corresponds to your current ProcessLogix software.

- CBUpdate3_500.1.exe, or
- CBUpdate3_510.0.exe

The following software components must be installed before you install this update:

- Windows 2000 Service Pack 3 or 4, or Windows XP
- Internet Explorer v6.0 or 6.0 SP1
- ProcessLogix R500.1 SP1 or R510.0

Server Installation

You must complete this procedure on all Servers in your ProcessLogix system. If you have a redundant Server pair, you must complete the following procedure on **SERVERB** first, then repeat the procedure for **SERVERA**. Before beginning the installation, be certain that **SERVERA** is the Primary Server and the Servers are synchronized.

Disable ERDB Replication

This procedure is only required for a redundant Server pair. Complete these steps on **SERVERB** only. If you have a non-redundant server, skip to Export the Database Using Control Builder on page 3.

1. Logon to **SERVERB** as **ps_user**.
2. Click **Start** ⇒ **Programs** ⇒ **ProcessLogix Engineering Tools** ⇒ **DB Admin**.
3. Expand **DbAdmin**.
4. In the Login dialog box make these entries:
 - a. Enter **>mngr<** as the default User Name.
 - b. Enter the appropriate Password.
 - c. Enter **>localhost<** in the Server Name field.
 - d. Select **Classic Server Security** in the Domain Name drop-down list.
5. Expand **ProcessLogix Node**.
6. Click **Admin Tasks**.
7. Click **Disable Replication**.
8. Click **OK** at the Disabled Database Replication prompt.
9. Close **DbAdmin**.

Export the Database Using Control Builder

Although exporting your database is not required, it is recommended.

Complete these steps on a non-redundant Server or **SERVERB**.

1. If necessary, logon to the system as ps_user.
2. Using Windows Explorer, create the folder C:\Data\ExportDB.
3. Click **Start** ⇒ **Programs** ⇒ **ProcessLogix Engineering Tools** ⇒ **Control Builder**.
4. In the Login dialog box, make these entries:
 - a. Enter >mngr< as the User Name.
 - b. Enter the appropriate Password.
 - c. Enter >localhost< in the Server Name field.
 - d. Select **Classic Server Security** in the Domain Name drop-down list.
5. Click **OK**.
6. Click **File** ⇒ **Export**.
7. Click **Browse** to set the Directory to C:\Data\ExportDB.
8. Click **Select All**.

Depending on the size of your database, this step may take several minutes.

9. Click **Export**.

Depending on the size of your database, this step may take several minutes to several hours.

10. When completed, close the Export Window (if it did not automatically close).
11. Close Control Builder.


Install the Update

1. Exit all running ProcessLogix applications, such as Control Builder, Station, and Network Tools (NTOOLS).
2. Right-click the **My Computer** icon and select **Manage**.
3. Expand **Services and Applications**.
4. Select **Services**.

TIP

To stop a service:

If the service is present, right-click it and select **Stop**. If prompted, click **Yes** to also stop other services. If a service is already stopped, move on to the next one in the list below.

5. Stop these Services in the following order:
 - a. ProcessLogix Server Daemon (also stops ProcessLogix Server Operator Management and ProcessLogix Server System, if applicable)
 - b. ProcessLogix Server Database
 - c. ProcessLogix Server Desktop
 - d. ProcessLogix Server Logger
 - e. Windows Management Instrumentation
 - f. ProcessLogix Control Data Access Server
 - g. ProcessLogix System Repository
 - h. ProcessLogix ER Server
 - i. RSLinx
 - j. XLNet Daemon
 - k. MSSQLServer (also stops SQLServerAgent)
6. Close the Computer Management window.
7. Right-click the SQL Server Service Manager icon  in the task bar and select **Exit**.

The application closes.

8. Using Windows® Explorer, go to the directory where the update was downloaded, double-click **CBUpdate3_5xx.x.exe** (where 5xx.x indicates your current ProcessLogix software release) and click **OK** to unzip the files to C:\CBUpdate3.

9. The Update installation automatically starts.

If at anytime, during installation of the R510.0 update, you see a reference to R500.1, this is expected because R510.0 is a point release of R500.1.

10. At the Welcome window, click **Next**.
11. If necessary, confirm that no errors are shown in the DOS prompt and press any key to continue.

If errors are shown, correct the cause and run the C:\Honeywell\TPS50\System\ER\gui_pref_fix.bat file.

12. When the installation is complete, click **Finish**.
13. Restart the PC.

If you have a non-redundant Server, the update is complete.
If you have a redundant Server pair, continue with Enable ERDB Replication.

Enable ERDB Replication

Complete this procedure only after the Update has been applied to both Servers. If the update has only been applied to **SERVERB**, skip to Synchronize the Servers on page 6.

This procedure is only required for a redundant Server pair. Complete these steps on **SERVERB** only.

1. Logon to **SERVERB** as ps_user.
2. Click **Start** ⇒ **Programs** ⇒ **ProcessLogix Engineering Tools** ⇒ **DB Admin**.
3. Expand **DbAdmin**.
4. In the Login dialog box make these entries:
 - a. Enter >mngr< as the default User Name.
 - b. Enter the appropriate Password.
 - c. Enter >localhost< in the Server Name field.
 - d. If necessary, select **Classic Server Security** in the Domain Name drop-down list.

5. Expand **ProcessLogix Node**.
6. Click **Admin Tasks**.
7. Click **Enable Replication**.
8. Click **OK** at the Enabled Database Replication prompt.
9. Close **DbAdmin**.

Synchronize the Servers

This procedure is only required for a redundant Server pair.

1. Synchronize the redundant servers:
 - a. On the Primary Server, click **Start ⇒Programs ⇒ProcessLogix Server ⇒Station**.
 - b. Click **View ⇒System Status ⇒Server Redundancy**.
 - c. Once the Backup Server Running LED turns green, click the Oper field in the lower right corner of the display.
 - d. Enter >mngr< in the Station Logon dialog box and click **OK**.
 - e. Click **Synchronize**.
 - f. When the Synchronize Databases (Y/N) prompt appears, type >Y< in the entry field above the display and press <Enter>. Depending on your configuration, this may take some time to complete.
 - g. Wait for the synchronization to complete (Synchronization Complete prompt appears) and verify that the display shows simulated Green LED indications for the following states:
 - Primary Server
 - Running
 - Backup Server
 - Synchronized
 - Running
 - Link Status
 - Link 0 (LNK00) - **OK** Active link
 - Link 1 (LNK01) - **OK** (Only applies if you are using a dual LAN)
2. Click **Manual Failover**.

3. At the Failover to Backup (y/n) prompt, type >y< in the entry field above the display and press <Enter>.
4. Repeat all sections of Server Installation (page 2) on SERVERA.
5. After the update has been installed on both SERVERA and SERVERB, verify that SERVERA is now Primary and synchronize the Servers.

Client Installation

The following procedure can be used on Engineering Workstations that already have R500.1 SP1 or R510.0 installed.

1. Using Windows Explorer, go to the directory where the update was download, double-click **CBUpdate3_5xx.x.exe** (where 5xx.x indicates your current ProcessLogix software release) and click **OK** to unzip the files to C:\CBUpdate3.
2. The Update installation automatically starts.

If at anytime, during installation of the R510.0 update, you see a reference to R500.1, this is expected because R510.0 is a point release of R500.1.

3. At the Welcome window, click **Next**.
4. When the installation is complete, click **Finish**.
5. Restart the PC.

Update Confirmation

To confirm that the update was properly installed on your system:

1. Using Windows Explorer, open the file C:\Honeywell\TPS50\ProductVersion.txt.
2. If the file contains the line "R500.1.1.8 patch installed.", the update was installed properly.
3. Click **Start** ⇒ **Programs** ⇒ **Process Engineering Tools** ⇒ **Control Builder**.
4. Click **Help** ⇒ **About Control Builder**.

If the splash screen indicates "Release PS500.1-01.16", the update installed properly.

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Problems Resolved in this Update

This section lists problems resolved with this update.

Table 1 Problems Resolved in Control Builder Update 2

ISR	Description
1-EPQIS	Executing the Control Builder function "Upload" with "Upload Server Configuration Information" was failing at random with multiple errors along with the Control Builder either hanging or crashing.
1-A6G6R	A copy operation performed on a CM created with a function block and an Active-X textline followed by a Paste operation into another CM results in the Control Builder crashing.
1-EL439	With Basic VCS enabled, the Version number erroneously increments on load or delete of objects. It should not unless a change has occurred.

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Publication 1757-RN515A-EN-E - April 2004

PN 957868-03

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