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Version 1.1

Corevanta User Manual

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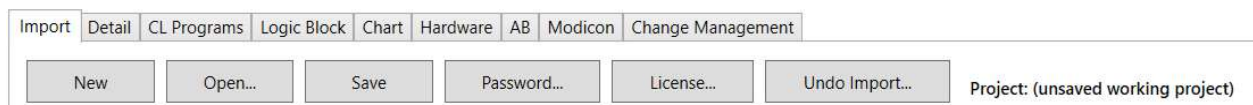
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Prepared by Corevanta LLC
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Version 1.0

Corevanta User Manual

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Administrative



New starts a new, blank project. A save option is offered if any recent work has not been saved.
Password allows for password protecting sensitive or proprietary control system information.
Undo Import undoes the last import.

Importing Control System Databases

Honeywell TDC Control System Files

- 1) Import EB Files for Honeywell TDC Control Systems
 - a) Corevanta has a service that can generate the necessary EB files and CL backups for Honeywell TPS imports from a checkpoint. Please contact us customerservice@corevantallc.com to assist in setting up your software if necessary.

Allen Bradley PLC-5 Import

AB PLC5 Import Files

PLC Name

Connection Type: EPLCG + HPM

HWYNUM

HWY Box Number

Node Address

PLC5 File Address

Serial Interface

HPM Number

HPM Module

DEVADDR

Hardware File

Browse...

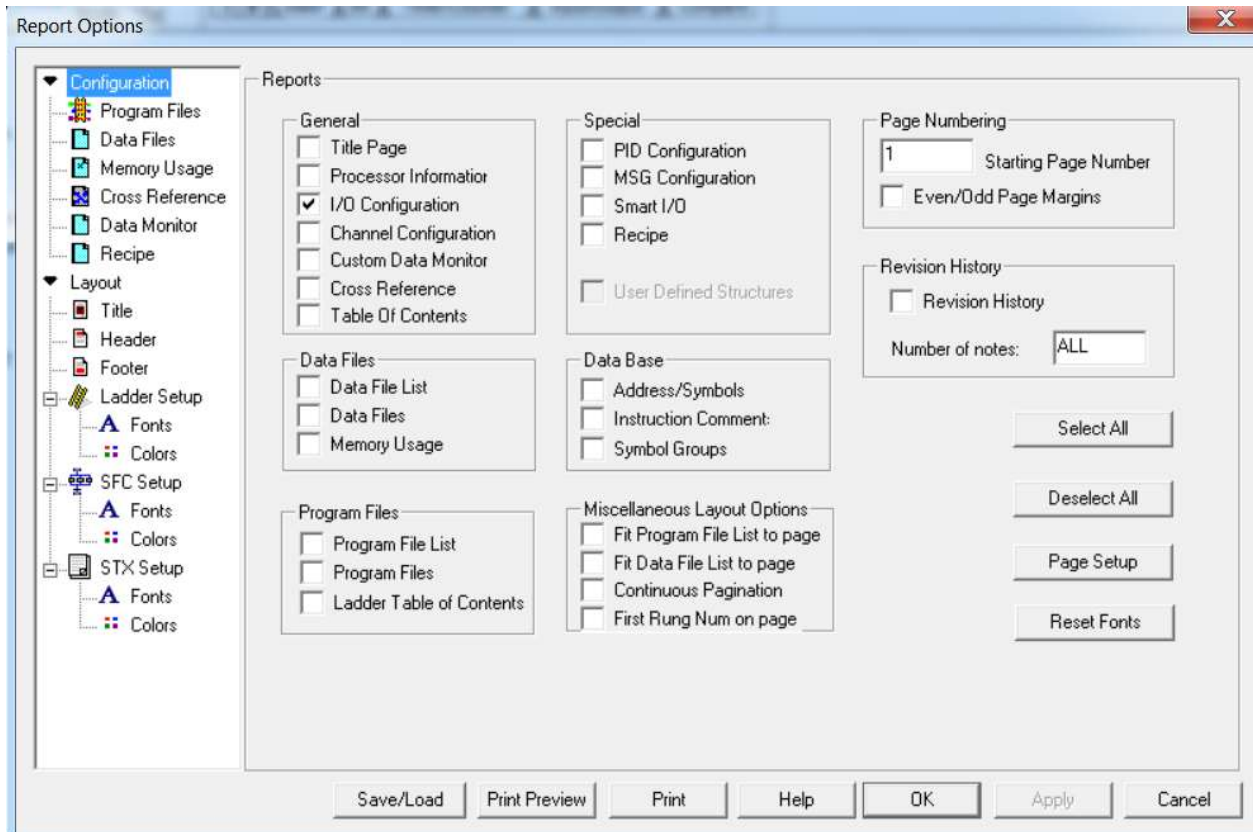
Ladder XPS Files

Add Files... Clear

Import Cancel

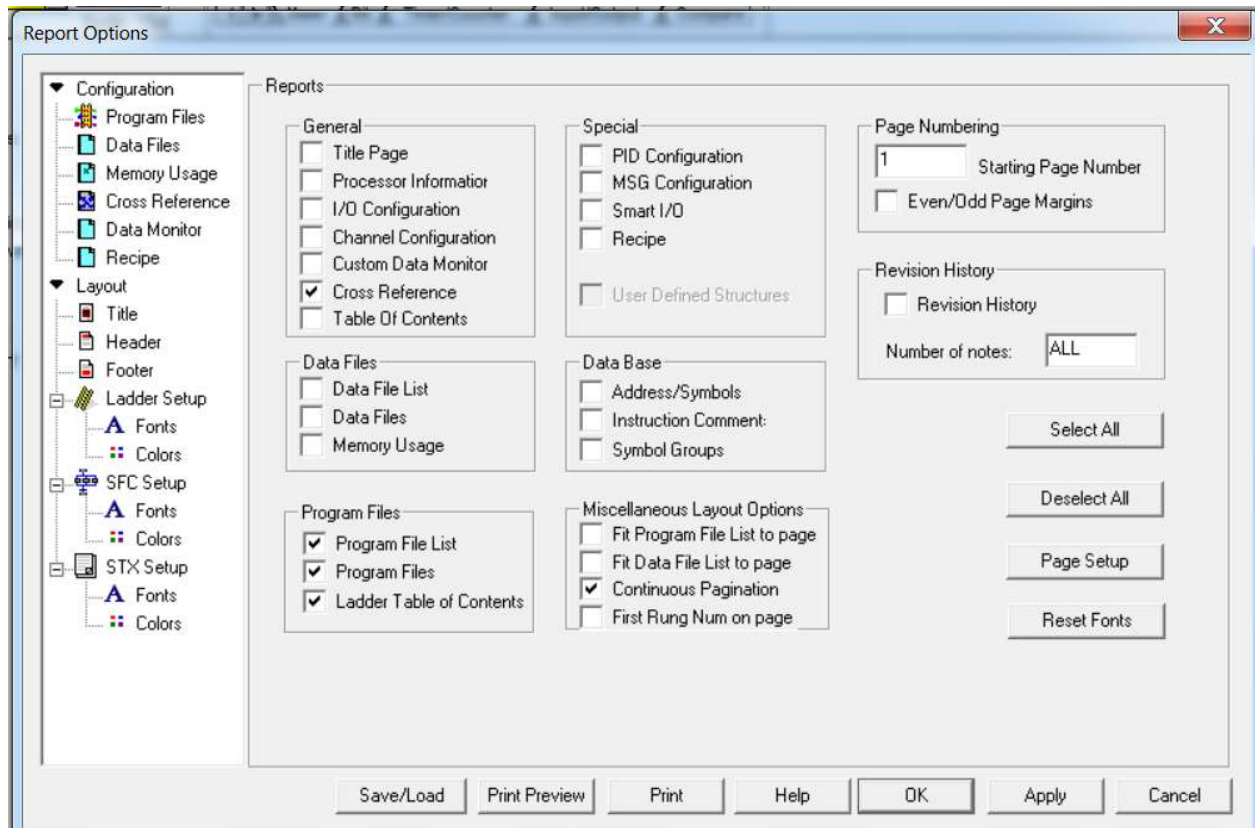
1. Hardware File Import:

- Open the respective PLC-5 program in RSLOGIX 5, select File>Report Options
- For the Hardware File import, select the I/O Configuration item in the below screenshot
- Select Print
- Select Microsoft Office XPS Document Writer for printer
- Save as Hardware.XPS
- Select Browse beside Hardware File, navigate to, and select the saved Hardware.XPS file



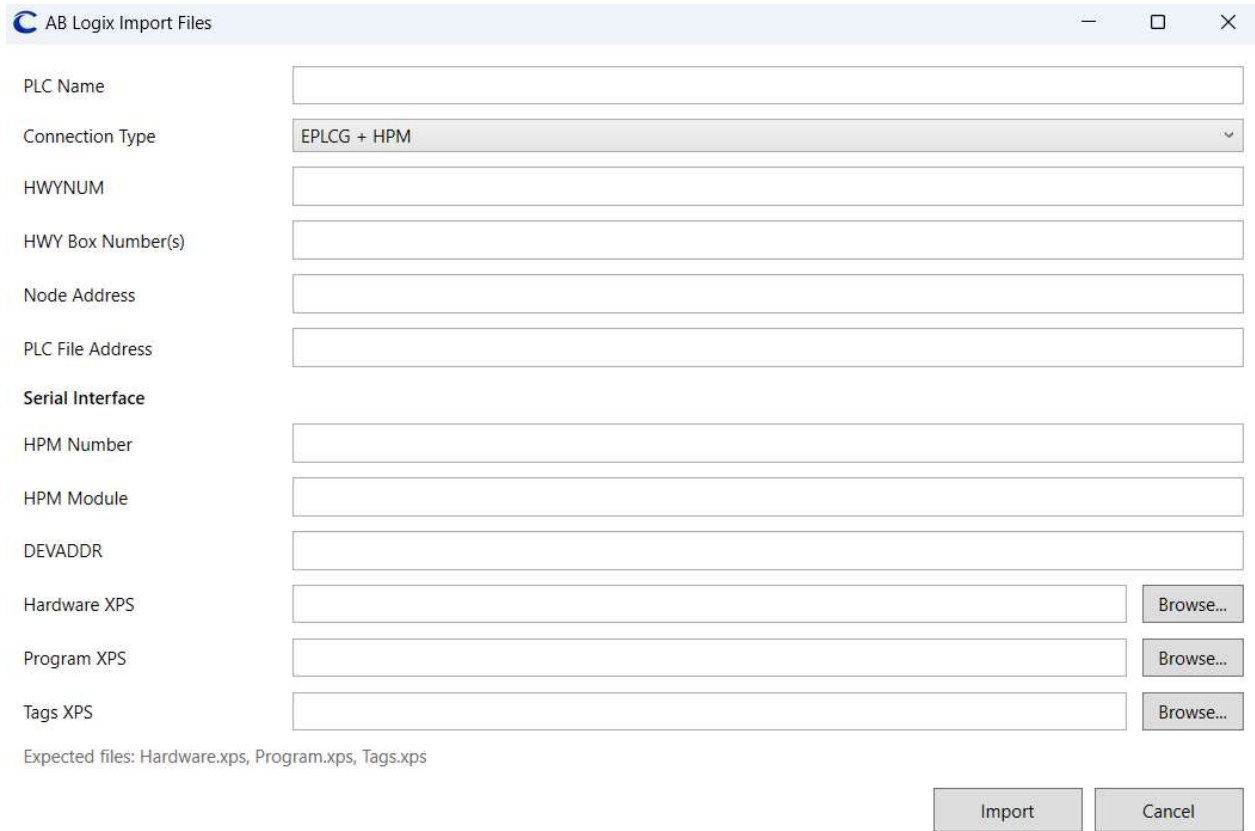
2. Ladder XPS Files:

- a. Open the respective PLC-5 program in RSLOGIX 5, select File>Report Options
- b. For the Ladder XPS Files import, select Program Files, Program File List, Ladder Table of Contents, and Cross Reference.
- c. Select Print
- d. Select Microsoft Office XPS Document Writer for printer
- e. Save as Program.XPS
- f. Select Browse beside Ladder XPS Files, navigate to, and select the saved Program.XPS file



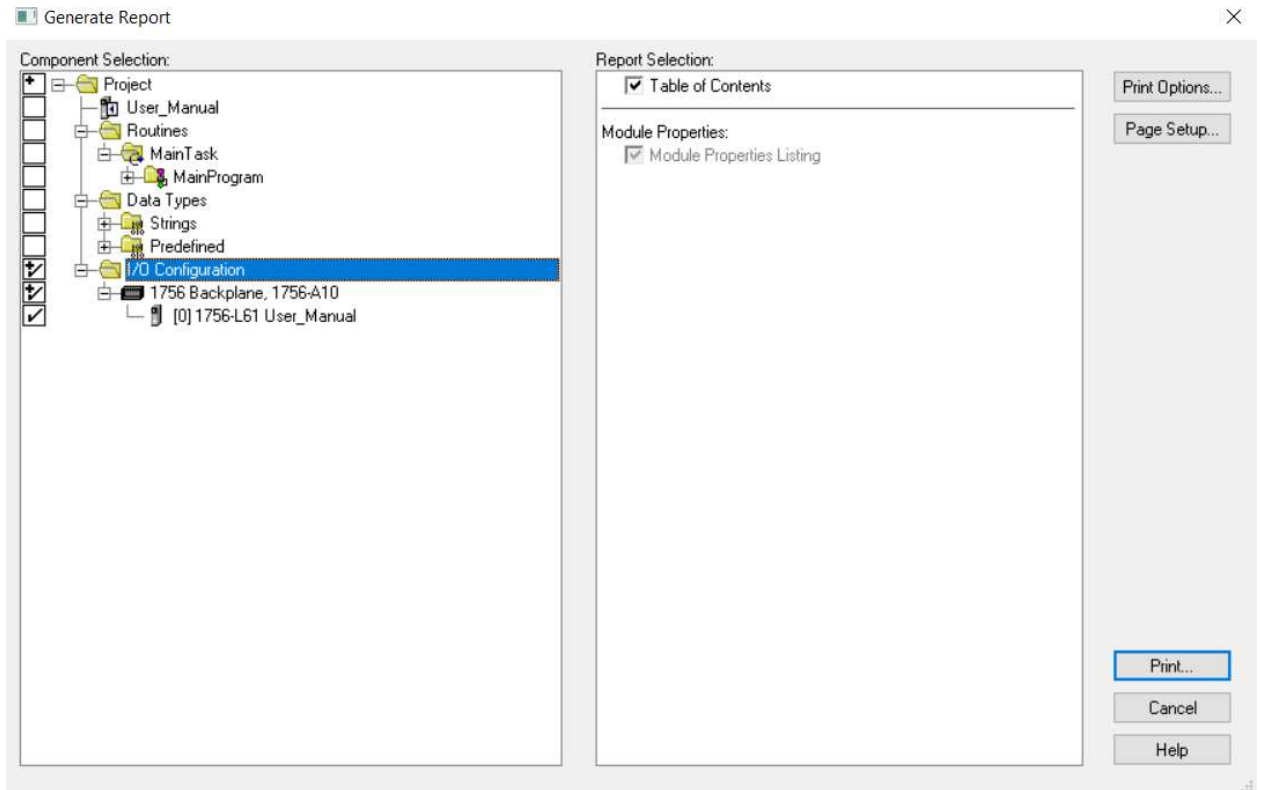
3. The PLC-5 Import allows for the selection of EPLCG, Serial Interface, or both (EPLCG and HPM). Select the appropriate option for your DCS.
4. If your PLC 5 communicates with multiple HWY Box numbers, separate the numbers with a comma.
5. Fill in the rest of the fields in the AB PLC5 Import Fields dialog to match your DCS/PLC-5 Configuration and select Import.

Allen Bradley Logix Import

The image shows a software window titled "AB Logix Import Files". It contains several input fields for configuration: "PLC Name", "Connection Type" (a dropdown menu currently showing "EPLCG + HPM"), "HWYNUM", "HWY Box Number(s)", "Node Address", and "PLC File Address". Below these is a section titled "Serial Interface" which includes fields for "HPM Number", "HPM Module", and "DEVADDR". At the bottom of this section are three rows, each with a text field and a "Browse..." button: "Hardware XPS", "Program XPS", and "Tags XPS". Below the form, a line of text states "Expected files: Hardware.xps, Program.xps, Tags.xps". At the bottom right of the window are two buttons: "Import" and "Cancel".

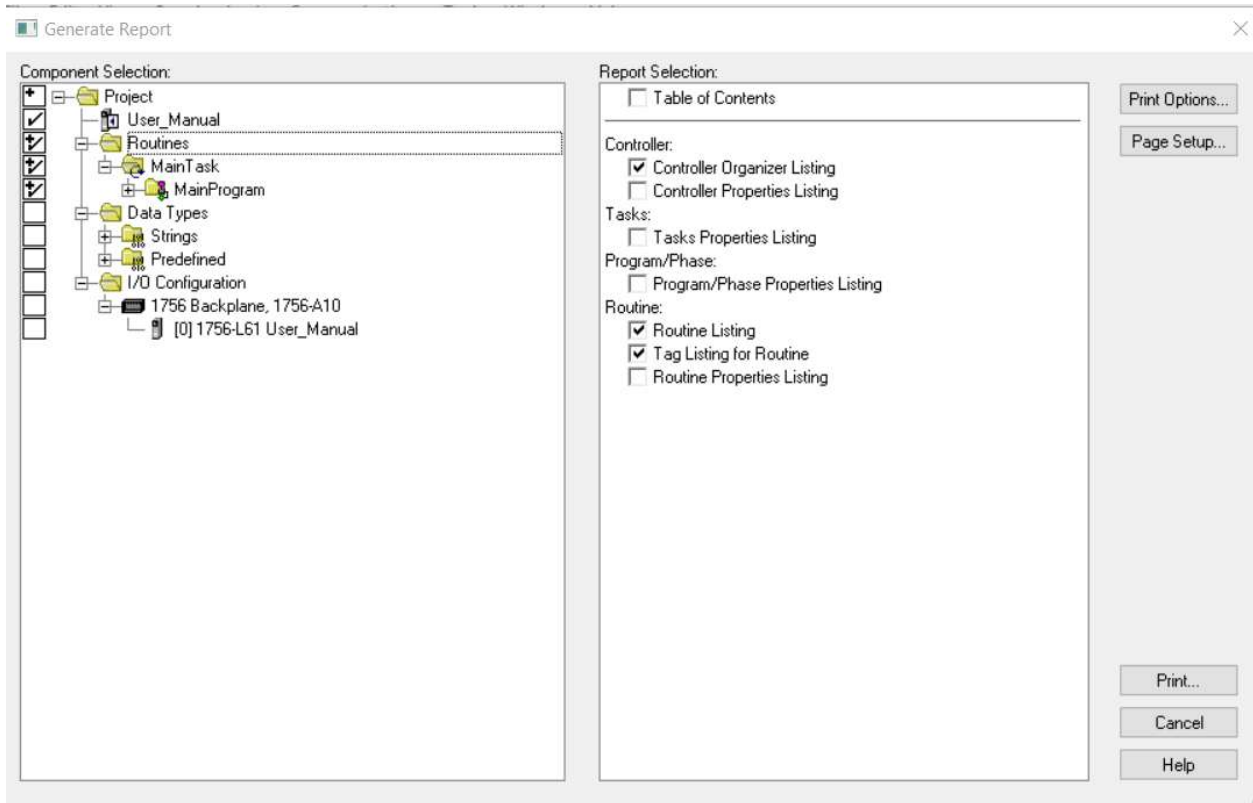
1. Hardware XPS:

- a. Open the respective Logix family PLC program In RSLogix 5000 or Studio 5000 Logix Designer, select File>Generate Report
- b. For the Hardware XPS Import, on the left tree, deselect everything except the I/O configuration items
- c. Select Print
- d. Select Microsoft Office XPS Document Writer for printer
- e. Save as Hardware.XPS
- f. Select Browse beside Hardware XPS, navigate to, and select the saved Hardware.XPS file



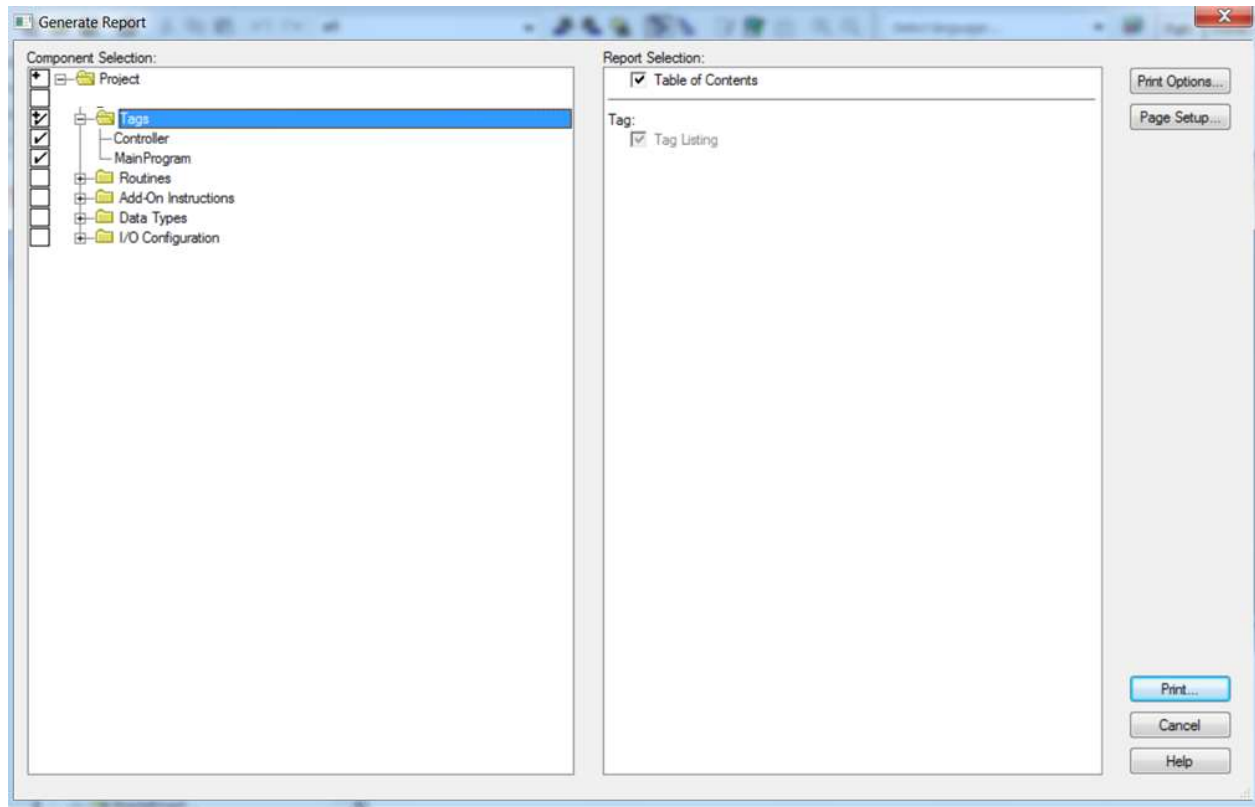
2. Program XPS:

- a. Open the respective Logix family PLC program In RSLogix 5000 or Studio 5000 Logix Designer, select File>Generate Report
- b. For the Program XPS Import, on the left tree, select routines. On the right tree, select Controller Organizer Listing, Routine Listing, and Tag Listing for Routine
- c. Select Print
- d. Select Microsoft Office XPS Document Writer for printer
- e. Save as Program.XPS
- f. Select Browse beside Program XPS, navigate to, and select the saved Program.XPS file



3. Tags XPS:

- a. Open the respective Logix family PLC program in RSLogix 5000 or Studio 5000 Logix Designer, select File>Generate Report
- b. For the Tags XPS Import, on the left tree, select Tags. On the right tree, select Tag Listing
- c. Select Print
- d. Select Microsoft Office XPS Document Writer for printer
- e. Save as Tags.XPS
- f. Select Browse beside Tags XPS, navigate to, and select the saved Tags.XPS file



4. The Logix Import allows for the selection of EPLCG, Serial Interface, or both (EPLCG and HPM). Select the appropriate option for your DCS.
5. If your Logix processor communicates with multiple HWY Box numbers, separate the numbers with a comma.
6. Fill in the rest of the fields in the AB Logix Import Files dialog to match your DCS/Logix Configuration and select Import.

Modicon PLC Import

 Import Modicon PLC Files — □ ×

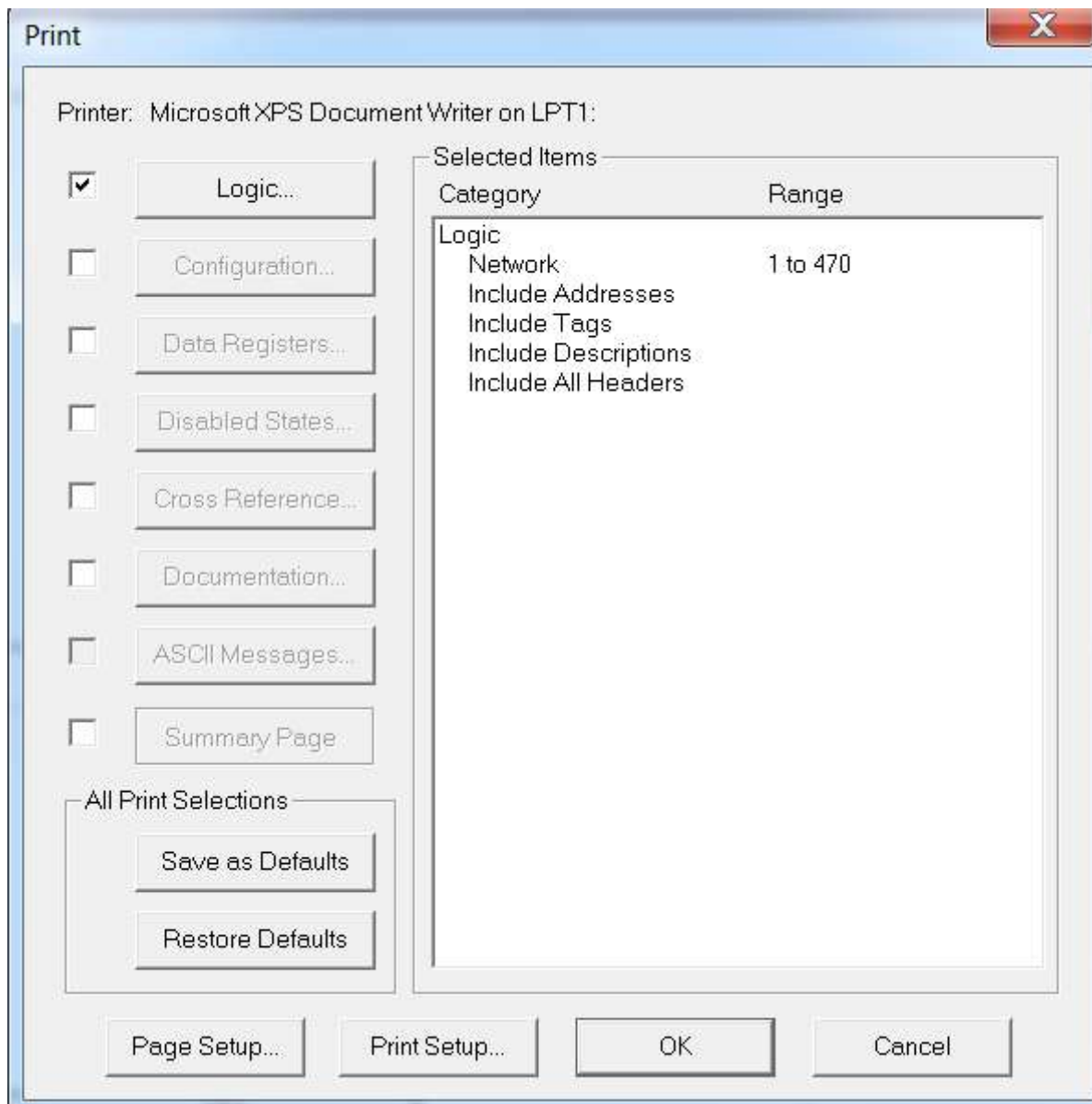
PLC Name	<input type="text"/>	
Connection Type	<div>EPLCG + HPM ▾</div>	
HWYNUM	<input type="text"/>	
HWY Box Number	<input type="text"/>	
Serial Interface		
HPM Number	<input type="text"/>	
HPM Module	<input type="text"/>	
Registers File	<input type="text"/>	<div>Browse...</div>
Traffic Cop File	<input type="text"/>	<div>Browse...</div>
Program XPS Files	<div>Add Files...</div>	<div>Clear</div>

Import

Cancel

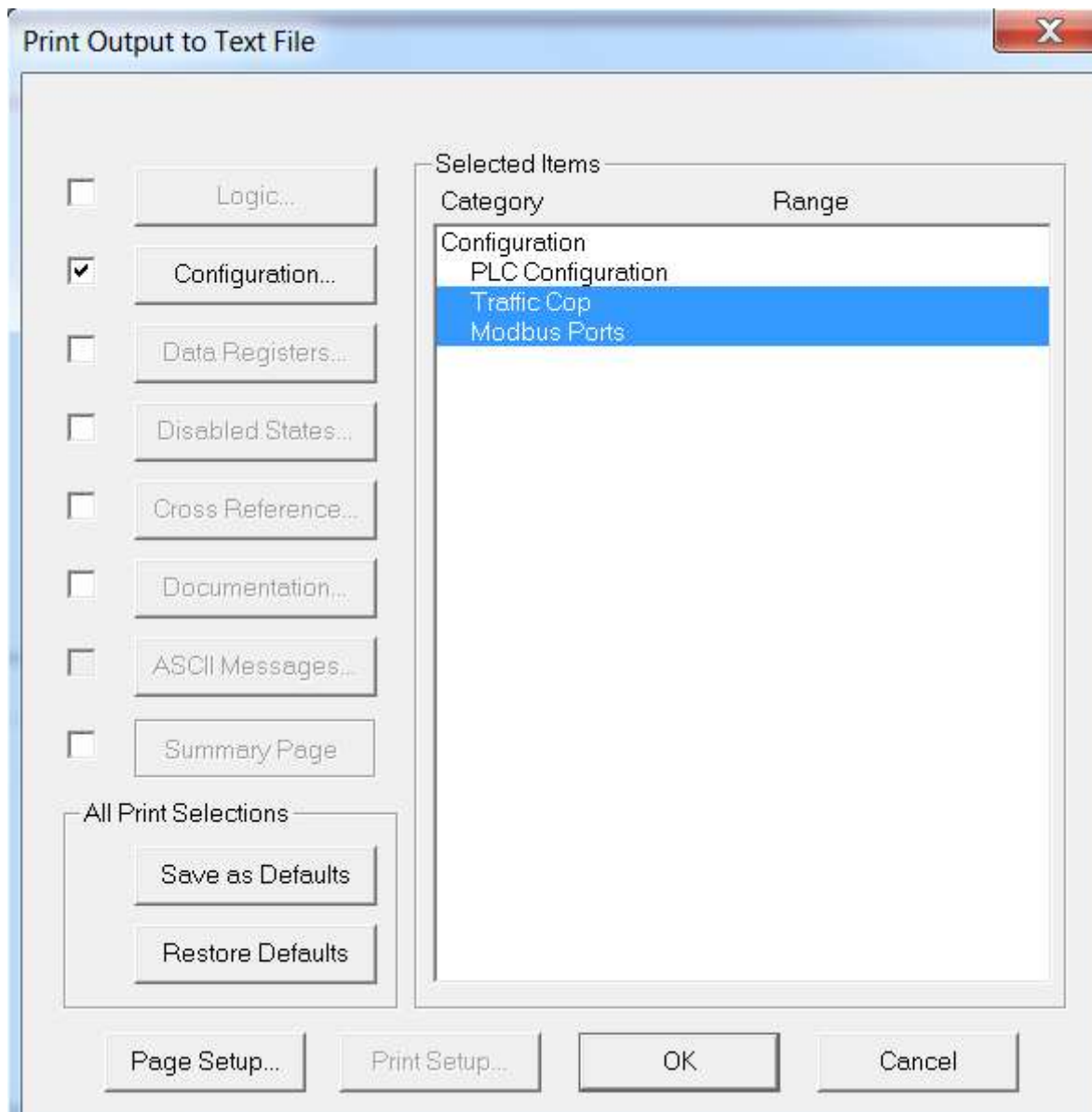
1. Program XPS Files:

- Open the respective Modicon PLC program in PLC Workshop.
- Select File>Print Setup
- Select Microsoft XPS Document Writer for the Printer and then OK
- Select File>Print
- For the Program XPS Files import, select Logic.
- Select OK
- Save as Program.XPS
- Select Add Files below Program XPS Files, navigate to, and select the saved Program.XPS file

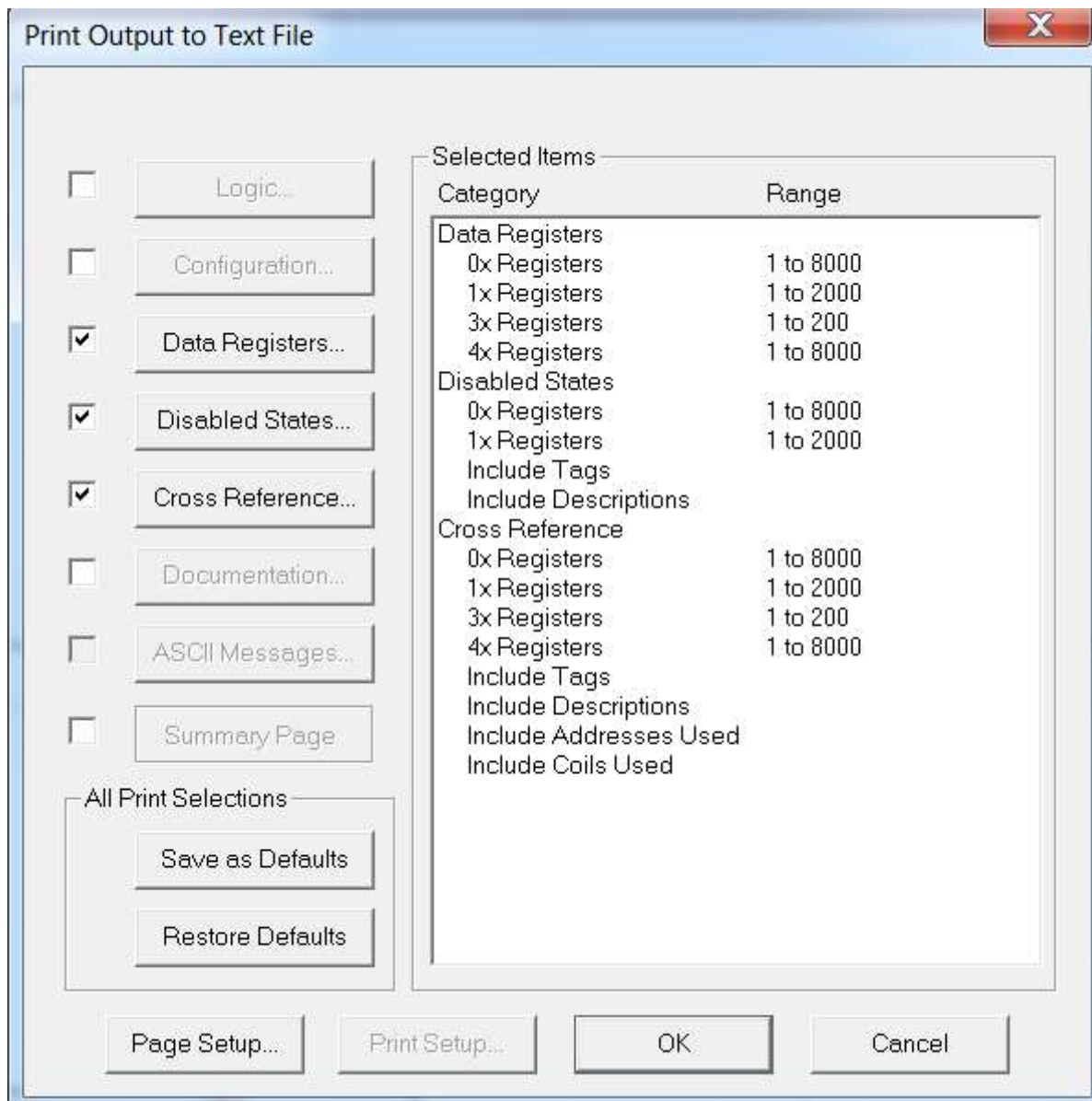


2. Traffic Cop File:

- a. Open the respective Modicon PLC program in FasTrak PLC WorkShop.
- b. Select File>Output to Text File
- c. Select Configuration and highlight Traffic Cop and Modbus Ports
- d. Select OK
- e. Save as trafficcop.PRT
- f. Select Browse beside Traffic Cop File, navigate to, and select the saved trafficcop.prt file



3. Registers File:
 - a. Open the respective Modicon PLC program in FasTrak PLC WorkShop.
 - b. Select File>Output to Text File
 - c. Select Data Registers, Disabled States, and Cross Reference (0x/1x/3x/4x ranges as applicable).
 - d. Select OK
 - e. Save as registers.PRT
 - f. Select Browse beside Registers File, navigate to, and select the saved registers.prt file



4. The Modicon Import allows for the selection of EPLCG, Serial Interface, or both (EPLCG and HPM). Select the appropriate option for your DCS.
5. If your Modicon processor communicates with multiple HWY Box numbers, separate the numbers with a comma.
6. Fill in the rest of the fields in the Import Modicon PLC Files dialog to match your DCS/Modicon configuration and select Import.

Experion Connection Import

1. If your TDC system has references to/from an Experion Distributed Control System through a TPN interface (not OPC Integrator), you can import those connections to be picked up by Corevanta in the Chart view.
2. In Experion Control Builder, select File>Print>Reports
3. Select Parameters and Connections from the drop down
4. Select all CMs/SCMs in the list
5. Click Export, save as Connections.xlsx
6. Click Import Experion Connections and select the connections.xlsx file

OPC Integrator Import

1. If your TDC system has references to/from an Experion Distributed Control System through an OPC Integrator Interface, you can import those connections to be picked up by Corevanta in the Chart view.
2. Collect the OPCI_Online_Items.tsv files from the Experion system. They typically reside in C:\ProgramData\Honeywell\Experion PKS\Server\data\OPCIntegrator or C:\ProgramData\Honeywell\Experion PKS\Client\data\OPCIntegrator
3. Select OPC Integrator Import and select the saved OPCI_Online_Items.tsv file(s).

HMIWeb Graphics Import

1. Corevanta can reference Experion HMIWeb Graphics for each TDC point in the Detail tab
2. To create a points list for the graphics, In HMIWeb Builder select Tools>Display Builder Assistant > Generate Alarm Groups
3. For Display Folder field, Browse to the respective abstract folder for your system's HMIWebGraphics
4. Select location to save the alarm group file(s) to.
5. Click Run
6. Drag and drop the saved alarm group file into Excel, then save the workbook.
7. Select HMIWeb Graphics Import and select the Alarm Group Excel file

PI Import

1. Corevanta can show references to PI tags in the Chart view.
2. To import PI tags, you will need the PI Builder extension for Excel.

3. A full listing of the relevant DCS PI tags in Excel is required, with at minimum Name and InstrumentTag fields.
4. Corevanta currently does not filter out scan off or shutdown PI tags. Delete those rows of PI tags from the excel list if desired.
5. Save the excel file
6. Select PI Import and select the saved PI list.

Export Point Details

1. Export point details creates an excel file with detail point information for the imported TDC system.
2. Each point type is broken up into a new tab in the excel file.