

# Corevanta Quick Start Guide

Version 1.0

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# 1. What Corevanta Does

Corevanta helps controls engineers trace references across Honeywell TDC/Experion assets, PLC logic, PI tags, and graphics in one workflow. Use it to speed migration, troubleshooting, and impact analysis.

## 2. Core Features

- Detail View: Point-level parameter visibility and quick context.
- Chart View: Cross-system reference mapping across TDC, CL, PLCs, PI, and Experion connections.
- CL Viewer: Search and inspect imported CL program files.
- PLC Viewers: Searchable Allen-Bradley and Modicon references.
- Hardware Context: PLC and control system hardware relationships.
- HMIWeb Graphics Mapping: Link tags to graphics references.
- Export Point Details: Export structured point data to Excel.

## 3. Quick Start Workflow

1. Use this sequence for fastest time to value:
2. Import Honeywell EB files (and CL files if available).
3. Import PLC data (PLC-5, Logix, or Modicon depending on site).
4. Import Experion Connections and/or OPC Integrator mappings.
5. Import PI mappings (Name + InstrumentTag columns).
6. Import HMIWeb graphics mapping file (optional).
7. Open Chart and Detail views to validate references.

## 4. Required Inputs (At a Glance)

- Honeywell TDC: EB files; optional CL files for AMCL/PMCL logic context
- PLC-5: Hardware XPS + Ladder XPS report exports
- Logix: Hardware XPS + Program XPS + Tags XPS
- Modicon: Program XPS + trafficcop.prt + registers.prt
- Experion Connections: exported Excel workbook from Control Builder
- OPC Integrator: OPC\_Online\_Items.tsv file(s)
- PI: Excel with Name and InstrumentTag

## 5. PLC Import Notes

- Connection type can be EPLCG, Serial, or EPLCG + HPM based on DCS topology.
- If multiple HWY box numbers are used, separate values with commas.
- For PLC-5 ladder reports, include Program Files, Program File List, Ladder Table of Contents, and Cross Reference.

## 6. PI and Experion Notes

- PI import currently maps by Name and InstrumentTag only.
- If you want scan-off/shutdown PI tags excluded, remove those rows before import.
- Use Experion Connections import for TPN interface mappings and OPC Integrator import for OPC references.

## 7. Verification Checklist

- Import summaries show mapped rows with no skip counts.
- Chart view shows expected upstream/downstream cross-system references.
- Detail view resolves expected properties and linked references.
- Export Point Details generates expected tabs.

## 8. Troubleshooting

- No results after import: confirm correct report sections were selected before export.
- Unexpected skips: check worksheet headers and file formats.
- Missing references: verify system naming consistency and import all related sources.

## 9. Next Step

Use the full Corevanta User Manual for complete report-option screenshots and platform-specific export procedures.