

*Beyond  
Wizards*

Tips and Tricks to Strategies to Keep  
Your Clarion Applications Running  
Smoothly

by  
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Introduction

- Audience - Advanced Beginner to Intermediate
- Theme - Using the Debugger to Understand Code Flow
- Goal - Everyone Knows How to Locate 80% of Their Application Generation and Template Problems in Under 5 Minutes!
- Focus on Windows, but Most Applies to DOS As Well!
- Personal Background

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Development Cycle in CW2.0+

- Define an Application With "Manageable Complexity"
- Build the Dictionary
- Use Wizards To Generate App
- Create Revision Checkpoint
- Review App
- If OK, Then Exit.
- Refine The App
- Debug

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### Quick Overview of Steps in Program Creation

- Create Dictionary
  - Import File Headers (Clarion/xBase/Topspeed/DBF'S)
  - Import Dictionary (V2.1 Apps, V3.X Dets, CW Txd'S)
- Create App
  - Wizards
  - Import Apps
- Generate Source
- Compile Source
- Link Objects & Libraries

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### Files Used in Program Creation

- CW20.Red
- Look at Program Module
- Create Dictionary (TXD'S)
- Create App (TXA)
- Source Is Text (CLW, CLI)
- Templates Are Text (TP?).

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### Debug Options

- Hard & Soft Mode
- Debug Options

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### Examples of Finding and Fixing Problems

- Finding Data Updates Defects Quickly
- Event Problems
- Improper Data Updates
- Invalid Totaling

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### Summary & Questions

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