

Developer Tools for ClearCanvas Desktop Executable

Version 1.5.1

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Installation

Simply copy the binaries in the /bin folder to the /plugins directory of your installation of ClearCanvas Workstation 7.0 SP1.

Important Note

If you're running ClearCanvas Workstation from the sources, you will probably find that the application crashes from this plugin. No worries - just add the included source files to your solution and include it in your build process. The included binaries have strong name references to the official 7.0 SP1 binaries, so they do work if they are installed on an official release.

Tools Description

This plugin adds a Debug menu with the following options to the desktop.

- Service Log → Open
Opens an external log viewer and loads the service log file.
- Service Log → Tail
Opens an external log viewer and loads the end of the service log file.
- Service Log → Monitor
Opens an internal log viewer and loads the end of the service log file.
- Workstation Log → Open
Opens an external log viewer and loads the workstation log file.
- Workstation Log → Tail
Opens an external log viewer and loads the end of the workstation log file.
- Workstation Log → Monitor
Opens an internal log viewer and loads the end of the workstation log file.
- Logs → Insert Log Marker
Inserts some text of your choosing into the log file immediately. This is great if you need to mark the current position of the log so you can identify actions versus log events.
- Logs → Advance Log
Advances the log by a number of blank lines. Another way to discern individual log events.
- Action Models → Delete
Deletes the action model and prompts for a restart. This is very useful if you've made changes to the action model and they aren't propagating.
- Folders → Application Settings
Launches an explorer window pointed at the settings directory for the currently running instance. This is very useful if you need to see and/or make manual changes to the user settings file that the instance is actually using.
- Folders → Executable
Launches an explorer window pointed at the executable directory for the currently running instance.

- **Folders → Common**
Launches an explorer window pointed at the common directory for the currently running instance.
- **Folders → Plugins**
Launches an explorer window pointed at the plugins directory for the currently running instance.
- **Folders → Service**
Launches an explorer window pointed at the executable directory for the currently running Workstation's DICOM Service.
- **Command History Inspector**
Opens a dockable shelf that allows for browsing the current desktop's Undo/Redo command history. Composite commands can even be opened to reveal the constituent subcommands, their mementos, and their originators.
- **Synchronize Device XMLs**
When building from source using the Visual Studio IDE, there are two copies of the AE device list – one for the Workstation proper, and another for the service executable. The Workstation is unaware of the other copy, and does not update it for the service when a developer updates the device list using the Workstation GUI. This tool automatically synchronizes the service's device list with the Workstation's local copy.
- **Log Viewer**
A simple built-in log file viewer, but can be used for any text file really.

Known Issues

There are a few known issues, usually related to known issues in the framework.

1. In an official ClearCanvas Workstation, the “Workstation Log” is usually unavailable. All its contents are actually found in the Service Log, and so only the Service Log menu items will function for both logs.

Change Log

Version 1.5.1

- Now compiled against Workstation Personal 7.0 SP1.

Version 1.5

- Process detection is now more reliable, allowing you to get at the log files better.
- Log viewer has been streamlined to load the full log file.
- Log viewer now notices file updates on Vista/7.

Version 1.2.1

- Now compiled against Workstation 2.0 SP1.

Version 1.2

- Added a command history inspector tool.
- Added the service executable folder shortcut.
- Added a synchronize AE device list XML tool.

Version 1.1

- Rearranged the debug menu into submenus to avoid clutter.
- Added log marking and insert event tools.
- Fixed service and workstation log detection.

Version 1.0

- Initial release.