**C868 – Software Capstone Project Summary**

**Task 2 – Section C: Technical Guide**



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| **Capstone Proposal Project Name:** | FS InfoCat – File System Information Cataloging Tool |
| **Student Name:** | Leonard T. Erwine |

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# Sources

Bug reports can be submitted using the project website at: <https://github.com/lerwine/FsInfoCat/projects/2>.

Windows installer: <https://github.com/lerwine/FsInfoCat/raw/V1.0.0/FsInfoCat-Setup-1.0.0.msi>

Portable binaries: <https://github.com/lerwine/FsInfoCat/raw/V1.0.0/FsInfoCat-Portable-1.0.0.zip>

Source Code: <https://github.com/lerwine/FsInfoCat.git>

# Prerequisites

FS InfoCat requires .NET Desktop Runtime 5.0 (De George & Coulter, 2021), which can be downloaded from <https://dotnet.microsoft.com/download/dotnet-core/5.0>. If you utilize the MSI installer, this will ask if you want to download and stall .NET 5.0. Otherwise, if you’re using the portable binaries, you will need to install .NET 5.0 manually. All other prerequisites are included within the installer packages.

# Installation and Configuration

There are two different ways to install the application: Through an MSI installer or by extracting the contents of a stand-alone application.

## Install from MSI File

The MSI staller should be used when you want this application to appear in the Add and Remove Programs list. The installation process is straightforward. Simply execute FsInfoCatSetup.msi, which installs the application inside the Program Files subdirectory. Any configuration changes to the software occur after it is installed.

## Deploy from Stand-Alone Package

To deploy the stand-alone package, unzip the contents of FsInfoCat-Portable-1.0.0.zip to any local folder on the workstation. It is highly recommended to be installed on a local subdirectory versus a network share and not in a folder associated with a temporary or roaming profile. The application to run is named FsInfoCat.Desktop.exe.

# Application Settings file

In the installation subdirectory, there is a file named appsettings.json (ASP.NET Core appsettings.json file, 2021). The Logging section controls how much is being logged to the system event log. The values for logging can be “Trace”, “Debug”, “Information”, “Warning”, “Error”, “Critical”, or “None”.

{

    "Logging": {

        "LogLevel": {

            "Default": "Warning",

            "Microsoft.Hosting.Lifetime": "Information"

        },

        "EventSource": {

            "LogLevel": {

                "Default": "Information"

            }

        },

        "EventLog": {

            "LogLevel": {

                "Default": "Warning",

                "Microsoft.Hosting.Lifetime": "Information"

            }

        }

    }

}

Figure 1- Default configuration Settings

# Troubleshooting

All events, including errors, are written to the system event log. Bug reports can be submitted to <https://github.com/lerwine/FsInfoCat/projects/2>

# References

*ASP.NET Core appsettings.json file*. (2021). Retrieved from Dot Net Tutorials: https://dotnettutorials.net/lesson/asp-net-core-appsettings-json-file/

De George, A., & Coulter, D. (2021, Jan 14). *Desktop Guide (WPF .NET)*. Retrieved from Microsoft Docs: https://docs.microsoft.com/en-us/dotnet/desktop/wpf/overview/?view=netdesktop-5.0