|  |
| --- |
|  |
| Folder Cleaner Utility - Update |
|  |
| **Technical Design Specification** |
|  |
|  |

|  |
| --- |
|  |

Table of Contents

[1 Introduction 3](#_Toc329874670)

[1.1 Purpose of this Document 3](#_Toc329874671)

[1.2 Overview.. .3](#_Toc329874672)

[1.3 Technologies Used 3](#_Toc329874673)

[1.4 Assumptions and Dependencies 3](#_Toc329874673)

[2 Use Case 4](#_Toc329874675)

[3 Implementation Phases](#_Toc329874676) 5

[4 Potential Impacts](#_Toc329874677) 5

[5 Integration Test Cases 5](#_Toc329874677)

6[5 Estimation](#_Toc329874677) 6

# Introduction

## Purpose of this Document

Describe a solution update and improve the Folder Cleaner Utility for TPO 8i Version 1.4 using newer technologies and updating functionality.

## OVERVIEW

TPO Folder Cleaner is a utility to clean up content inside temporary folders on the file server. The utility provides a GUI to scan/select folders for deletion and includes simulations. The product development team has specified a need for an updated cleaner utility that provides full functionality, as well as possible revisions that support automation.

**Intended Audience:**

* Product Development
* Release Engineering
* Site Operations

## Technologies used

.NET C# WinForms for GUI based utility

.NET Console application for future scriptable revisions.

## Assumptions and Dependences

**Dependencies**:

* Access to TPO libraries / DB to retrieve correct directory paths

**Assumptions**:

* Uniform placement of temporary files
* Files in specified directory paths are safe to delete
* Maintain current featureset as per original design document

# USE CASE

CONSOLE

GUI

SYSTEM

# IMPLEMENTATION PHASES

Phase 1: Create GUI based file clean application utility that runs on local machine

Phase 2: Obtain required libraries/permissions to access TPO to retrieve safe directory paths for profile/folder deletion.

Phase 3: Integrate libraries to Phase 1 utility

Phase 4: Testing

Future: Console based application capable of scheduled runs

# Potential impacts

Remove files from system may have widespread effect over TPO functionality. Ensuring files are actually unused before deletion crucial

# Integration Test Cases

|  |  |
| --- | --- |
| **Case** | **Action/Result Expected** |
| Select profile for deletion | All files in profile deleted |
| Select date range for deletion | All files in server with selected date range deleted |
| Select profile and date range for deletion | All files in profile with selected date range deleted. |
| Select file extensions for deletion | All files without file extension remain in file system before and after check |

# ESTIMATION

Phase 1: GUI Design and Implentation without connectivity

Best: 6 hrs Expected: 8 hrs Worst: 10 hrs

Phase 2: TBD based on complexity of TPO access