

## WIPRO NGA Program – DWS

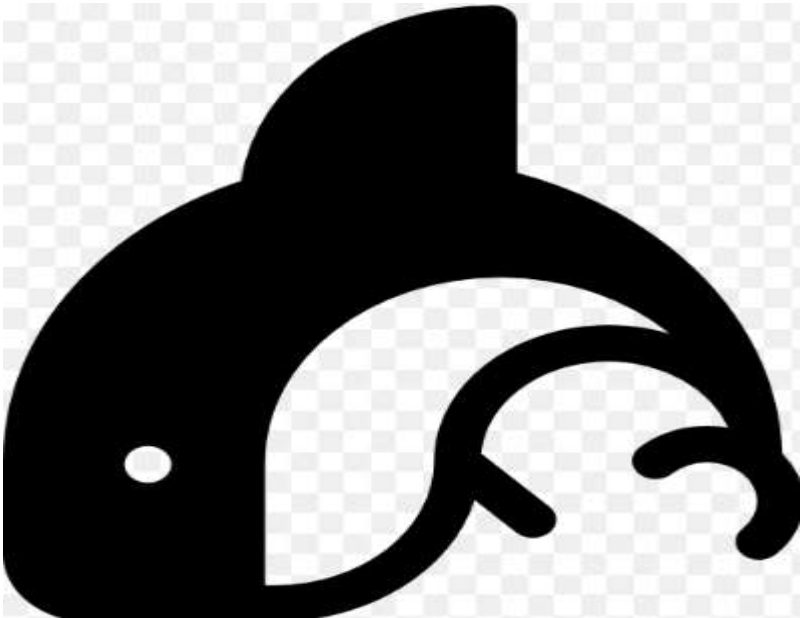
Capstone Project Presentation – 17th June & 18<sup>th</sup>  
June 2025

Project Title Here - Embedding License File into MSI  
Installer

Presented by – Khushi Pandey

# Introduction

Slide details here The project focuses on modifying an MSI installer to embed a license file(`license.key`) into the appropriate installation directory. This ensures that when the application is installed, the license file is automatically placed in the specified folder without manual user intervention.



# Project Requirements

- Orca Editor (via Windows SDK) (Run as administrator)
- WiX Toolset (wix314.exe)
- Dummy MSI: DummyProduct.msi
- License Key File: license.key
- Folder: C:\Users\sachi\Documents\Project2
- Text editor and Developer Command Prompt (Run as administrator)

# Technologies / Tools Used

- Orca Editor
- WiX Toolset: Candle & Light
- PowerShell / Command Prompt
- Notepad
- Windows 10 OS



# Task Summary

- Installed Orca and WiX Toolset
- Configured .wxs file
- Built updated MSI with embedded  
license
- Tested installer output for validation

# Steps 1-5: Setup & File Prep

1. Install Orca via Windows SDK

2. Install WiX Toolset

(wix314.exe)

3. Extract DummyProduct.msi to  
Project2 folder

4. Create license.key in Notepad

5. Use license.key to

build



```
Administrator: Command Prompt
C:\Users\Administrator>cd /
C:\>cd Users
C:\Users>cd Administrator
C:\Users\Administrator>cd Documents
C:\Users\Administrator\Documents>cd "License project"
C:\Users\Administrator\Documents\License project>candle DummyProduct.wxs
Windows Installer XML Toolset Compiler version 3.14.1.8722
Copyright (c) .NET Foundation and contributors. All rights reserved.

DummyProduct.wxs

C:\Users\Administrator\Documents\License project>light DummyProduct.wixobj -o DummyProduct.msi
Windows Installer XML Toolset Linker version 3.14.1.8722
Copyright (c) .NET Foundation and contributors. All rights reserved.

C:\Users\Administrator\Documents\License project>
```

# Steps 6-10: Embedding License

6. Open MSI with Orca
7. Add row in 'File' table
8. Match entries with .wxs file
9. Save and close MSI
10. Run installer and verify license placement

# Execution Process Overview

## 1. Preparation

->Set up folder:

C:\Users\sachi\Documents\Project2

## 2. Open Developer Command Prompt

->Candle DummyProduct.wxs

->Light DummyProduct.wixobj -o

DummyProduct.msi

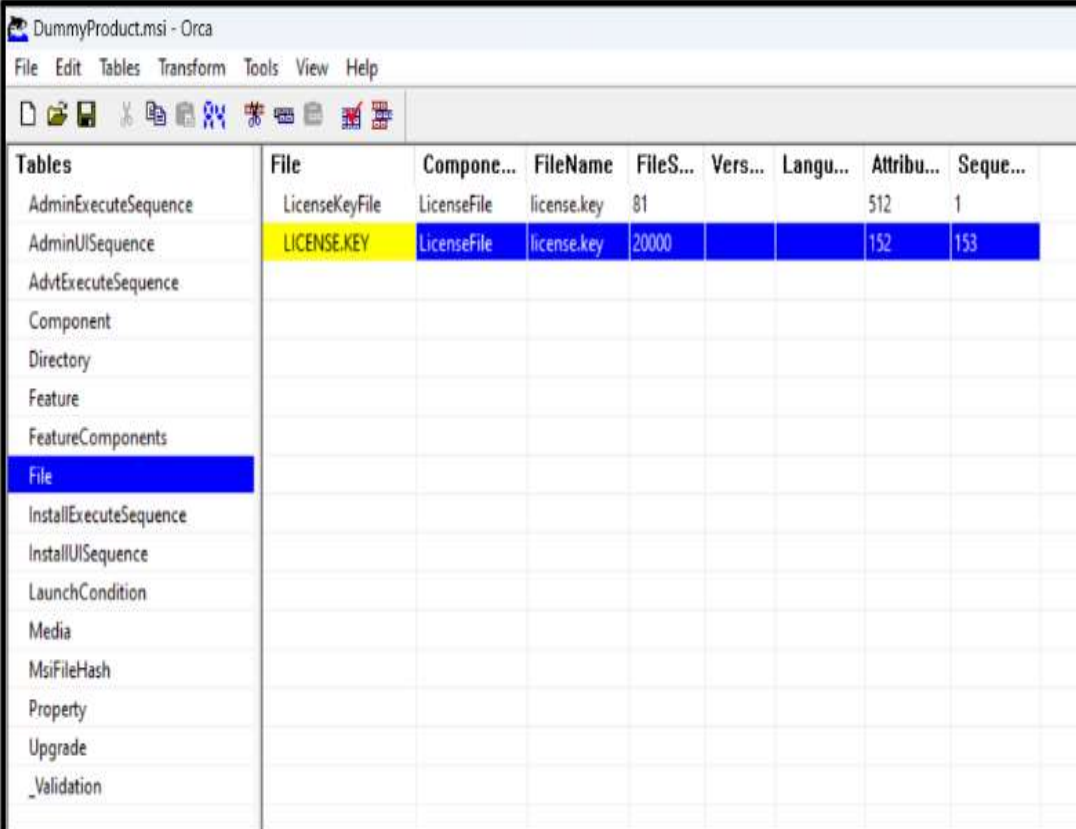
## 3. Modify with Orca

->Open DummyProduct.msi in Orca

->Go to "File" table

->Right-click > Add Row

->Enter license file details (Name, Size,



The screenshot shows the Orca MSI editor window titled 'DummyProduct.msi - Orca'. The 'File' table is selected in the left-hand pane. The main pane displays the 'File' table with the following data:

File	Compon...	FileName	FileS...	Vers...	Langu...	Attribu...	Seque...
LicenseKeyFile	LicenseFile	license.key	81			512	1
LICENSE.KEY	LicenseFile	license.key	20000			152	153



# Execution Process Overview Continue

## 4. Save and Exit

- > Save the modified .msi

- > Close Orca

## 5. Test Installation

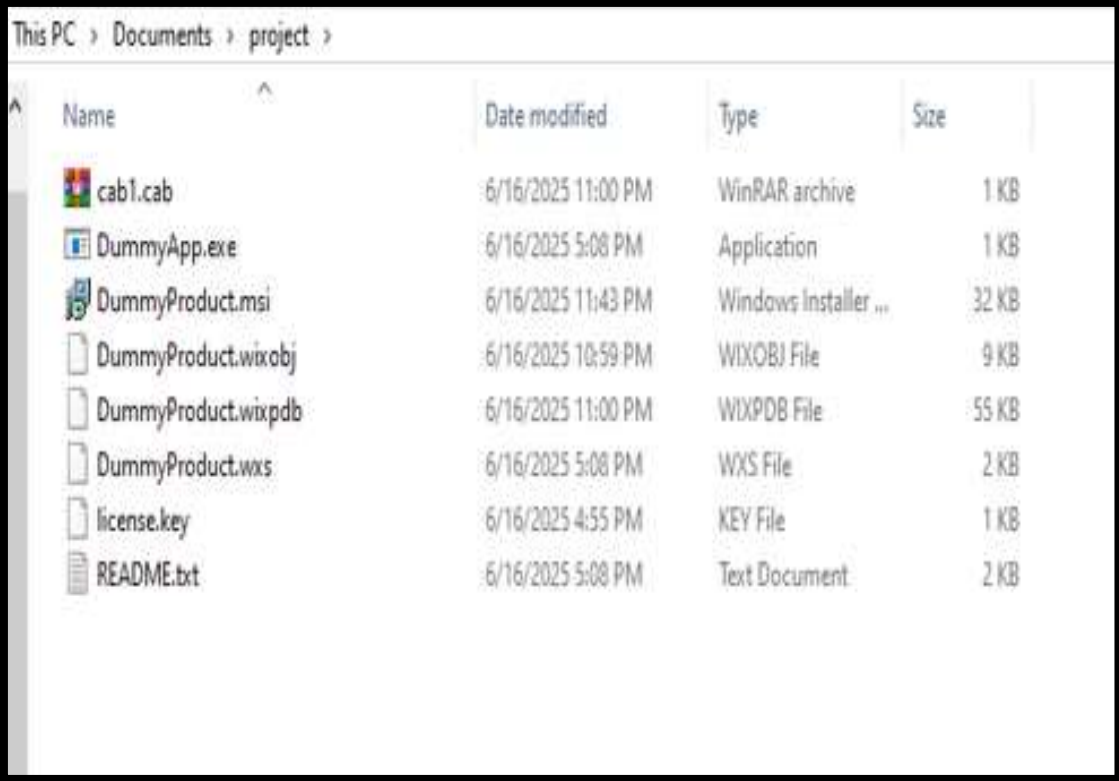
- > Run the .msi installer

- > Check install directory for presence of

license.key

# Final Outcome & Validation

- License file embedded successfully
- MSI works as expected
- Validated by reinstallation and folder checks



This PC > Documents > project >

Name	Date modified	Type	Size
cab1.cab	6/16/2025 11:00 PM	WinRAR archive	1 KB
DummyApp.exe	6/16/2025 5:08 PM	Application	1 KB
DummyProduct.msi	6/16/2025 11:43 PM	Windows Installer ...	32 KB
DummyProduct.wixobj	6/16/2025 10:59 PM	WIXOBJ File	9 KB
DummyProduct.wixpdb	6/16/2025 11:00 PM	WIXPDB File	55 KB
DummyProduct.wxs	6/16/2025 5:08 PM	WXS File	2 KB
license.key	6/16/2025 4:55 PM	KEY File	1 KB
README.txt	6/16/2025 5:08 PM	Text Document	2 KB

# Resources reference Links to download

- Download **wix314.exe** from  
<https://github.com/wixtoolset/wix3/releases>(Wix toolset)
- Open <https://developer.microsoft.com/en-us/windows/downloads/windows-sdk/> (Orca)