
Slide 1: Title

(Opening) Hello everyone, my name is Krishna Verma, and my capstone project is on repackaging an application with separate registry keys¹¹¹¹.

Slide 2: Introduction & What is Application Repackaging

(Introduction) This presentation will show how to use **Advanced Installer** to customize and repackage an existing application, specifically by adding manually defined registry keys that are automatically configured during installation².

(What is Application Repackaging) Application repackaging is the process of converting an existing software installer, like an EXE, into a new, customized installer, such as an MSI³. This new installer is designed to meet specific corporate deployment standards⁴.

Slide 3: Benefits & Objective

(Benefits) Repackaging offers several key benefits:

- **Standardization:** It allows for the deployment of applications to a large number of devices within an organization without manual intervention⁵.
- **Customization:** You can add or remove features based on your organization's needs⁶.
- **Troubleshooting:** Repackaging can help fix common compatibility issues with an application⁷.

(Objective) The main objective of this project was to repackage an application so that it includes separate, predefined registry keys⁸.

Slide 4: Prerequisites & System Requirements

(Prerequisites) To complete this project, I needed a few things:

- The Advanced Installer package⁹.
- The application to be repackaged—in this case, Cloudflare WARP¹⁰.
- A clean Virtual Machine to perform the activity¹¹.
- And access to the Windows Registry Editor for verification¹².

(Minimum System Requirements) Advanced Installer itself has some minimum requirements to run:

- **CPU:** A Core 2 class processor or equivalent¹³.
- **RAM:** At least 1 GB of RAM¹⁴.
- **Storage:** A minimum of 2 GB of free hard drive space¹⁵.
- **Display:** A screen resolution of at least 1366x768¹⁶.

- **Operating System:** Windows 10 or newer¹⁷.
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Slide 5: Workflow Diagram

(Workflow) I followed a clear workflow to complete the repackaging process.

1. First, I verified all prerequisites and started with a clean virtual machine¹⁸.
2. Next, I opened the application in

Advanced Repackager and took an initial snapshot of the system¹⁹.

3. I then performed the installation steps for the application and took a final snapshot to capture all the changes²⁰.
4. I reviewed the changes and proceeded to edit the package within Advanced Installer²¹.
5. On the

Registry page, I added or removed any registries as needed²².

6. After saving the changes, I built the new application package²³.
 7. Finally, I ran the new installer on a new device to ensure that the configured settings, including the custom registry keys, were working correctly²⁴.
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Slide 6: Step-by-Step Process

(Steps) Let's walk through some of the key steps.

- In

Advanced Repackager, you click "Capture Setup" and import your application²⁵. The tool then captures all the changes that occur during the installation process²⁶.

- After the installation is complete, you can open the unpacked application in Advanced Installer²⁷. From there, you navigate to the

Registry section and add a new key under the HKCU\Software hive²⁸.

- You set a name for your new registry key, then right-click on it to add a new value²⁹. Here you can provide the value name, data, and data type³⁰.
- Finally, you scroll back to the product details, click on

Build, and save the path for your new package³¹.

Slide 7: Result & Conclusion

(Result) After installing the new, customized installer, the custom-made registry key was successfully created in the system's registry³²³²³²³².

(Conclusion) As we've seen, I successfully created and installed a customized application that automatically configures predefined registry keys when installed on a system, all by using Advanced Repackager³³.

Slide 8: Thank You

(Closing) Thank you for your time. Are there any questions?