**Download 7-Zip Setup Files**

1. Go to the official 7-Zip website: https://www.7-zip.org/
2. Download the **MSI version** of 7-Zip:
   * **Original version (v22.0 MSI)** → for baseline install
   * **Updated version (v23.0 MSI)** → for patch creation

Save both in a folder on your VM.

**Step 2: Prepare Your VM Environment**

1. Use a **clean VM** (no previous 7-Zip installs).
2. Install **InstallShield or AdminStudio Repackager** on the VM.
   * This will let you monitor and package installations.

**Step 3: Install Original MSI (v22.0)**

1. Double-click **7-Zip v22 MSI** to install.
2. Follow the wizard (Next → Next → Finish).
3. Open 7-Zip to verify it works.
4. Take a **screenshot** for documentation.

This is your **baseline installation** for the patch.

**Step 4: Repackage / Prepare Project (Optional)**

If using a .exe instead of MSI:

1. Open **InstallShield Repackager**.
2. Select **“Repackage installation”**.
3. Point to the **7-Zip setup.exe** (if not using MSI).
4. Monitor file and registry changes while installing.
5. Save project → generates:
   * **IRP file** → captured installation
   * **ISM file** → InstallShield project
   * **MSI file** → packaged MSI

Since 7-Zip MSI already exists, you can skip repackaging and use MSI directly.

**Step 5: Update Project for New Version (v23.0)**

1. Open **InstallShield** and load the **ISM project** if you created one.
2. Replace any files that are updated in **v23.0**.
3. Update the **version number** in the project (important for patching).
4. Build the **new MSI (v23.0)**.
5. Keep the **original MSI (v22.0)** separate.

**Step 6: Create the MSP Patch**

1. In **InstallShield**, go to **Tools → Patch Design / Build Patch**.
2. Select:
   * **Baseline MSI:** 7-Zip v22.0 MSI
   * **Updated MSI:** 7-Zip v23.0 MSI
3. Configure patch options:
   * Include only updated files
   * Target product version
4. Build → outputs **.msp file**.
5. Take a **screenshot** for documentation.

**Step 7: Test the MSP Patch**

1. On the VM, **install the original MSI (v22.0)**.
2. Apply the **MSP patch (v23.0)**.
3. Verify:
   * Updated files installed
   * Application shows new version
4. Take **screenshots** for your project deliverables.

**✅ Summary – From Scratch**

1. Download 7-Zip MSI v22 and v23.
2. Set up clean VM and install InstallShield/AdminStudio.
3. Install original MSI (v22).
4. Update project → build new MSI (v23).
5. Create MSP patch from v22 → v23.
6. Test MSP patch on VM.