**Application Packaging**

**Application packaging** refers to the process of preparing software in a way that makes it easy to install, update, or uninstall across multiple systems simultaneously.

Before any code can be deployed, it must first be converted into a distributable software package.

This process also enables the management of different software versions, commonly known as Software as a Service (SaaS) packages. IT departments leverage tools like **SCCM** (System Center Configuration Manager) and **Microsoft Intune** to roll out these applications efficiently across numerous devices.

Application packaging not only saves valuable time but also ensures a consistent and standardized setup on every machine.

**Benefits of Application Packaging include:**

* Ensures a consistent, stable and reliable standard environment.
* Increases the efficiency of software management.
* It lowers security issues.
* Reduces risks for business disruption and vulnerabilities.

**: End-to-End Application Packaging Process**

End-to-End Packaging means handling the complete process of preparing an application for deployment from receiving the app to making it ready for installation across systems.

The steps include Identify & Collect, Review & Assess, Package, Test and Deploy.

There are two main reasons why companies take this approach:

* To cut down costs.
* To improve app packaging process efficiency by speeding up the process and reducing the time an application takes to be packaged and deployed to production devices.

The downside of this approach is the difficulty to find the candidates with the right skills, and someone who fully understands the end-to-end packaging process.

**There are two main types of packaging:**

* Windows(Android)
* Mac

**Steps to install MSIX**

1. **Click on Start Menu**
2. **Search for Microsoft Store and Open it**
3. **On the top search for “MSIX Packaging Tool”**
4. **Click on Get option (Blue coloured box)**
5. **After installing Click on Open**