Creating Applications for the Intel® AppUp℠ Developer Program

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intel AppUp℠ developer program

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Agenda

- Become an Intel® AppUpSM Developer
- Software Development Kit Details
- Application Development and Code Sample
- Application Packaging
- Application Testing and Submission

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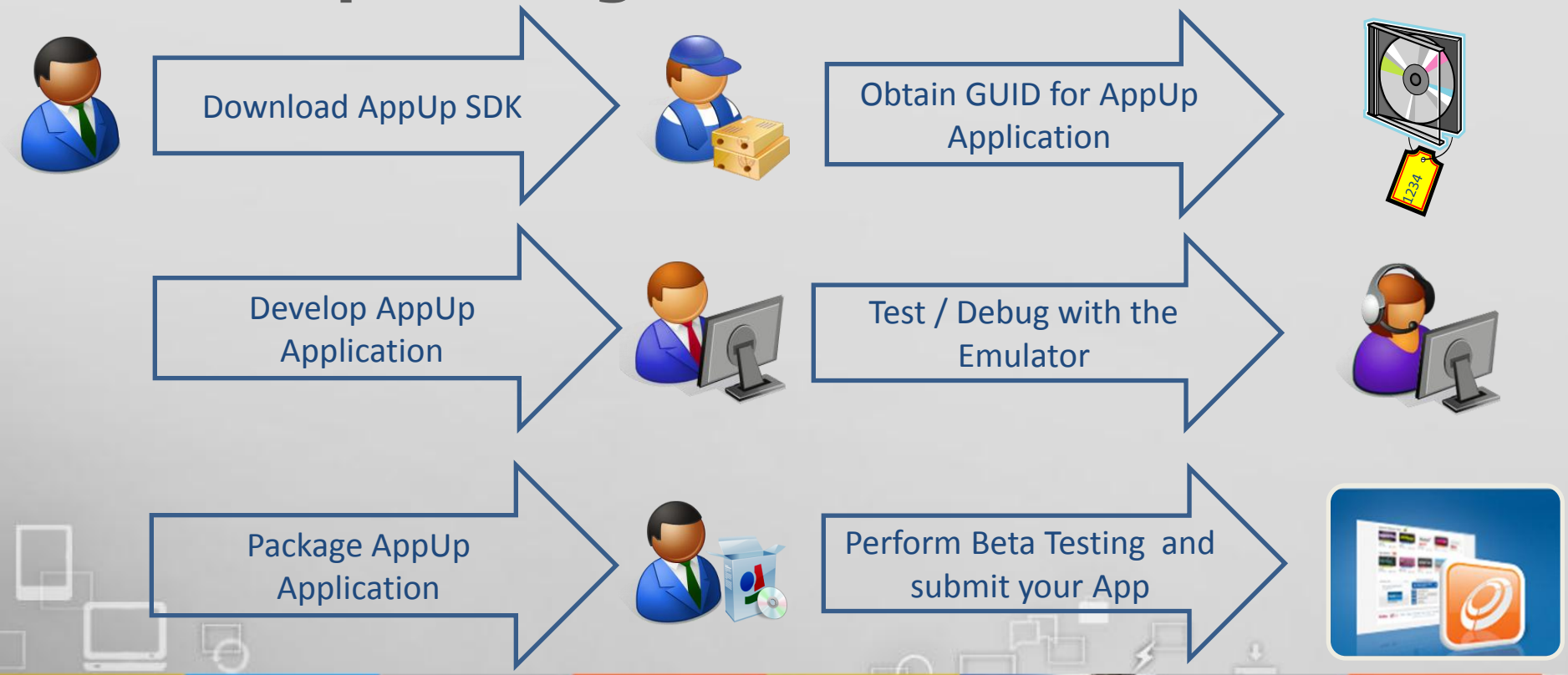
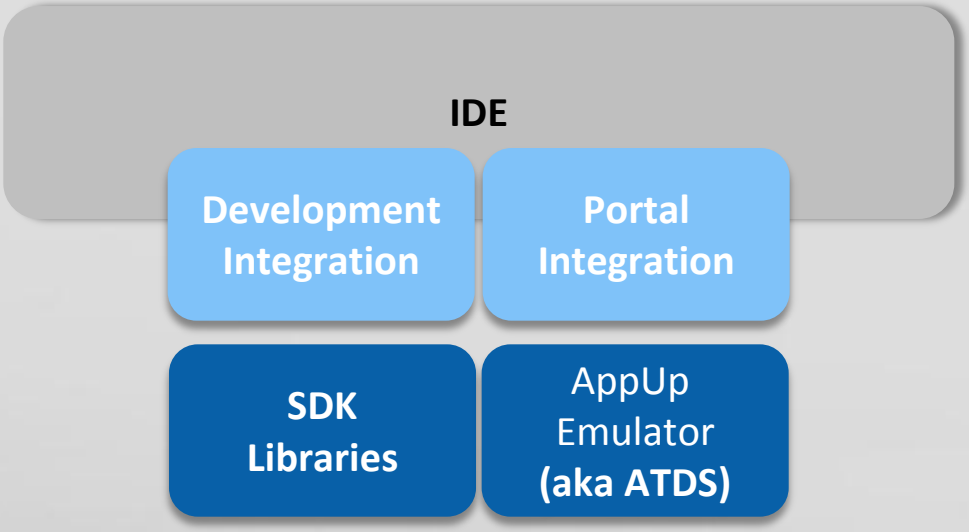


What is the SDK?



IDE Plug-in

SDK Documentation

SDK Library & Tools

Existing Tool Chain

Code Samples

Developer's Guide

API Reference

SDK Libraries

- **Authorization**
  - Verify that end-user device is authorised to run the application
  - Verify that application is authorized to use the component
- **Instrumentation**
  - Record application's usage statistics and post it on dashboard
  - The final decision on whether to gather and send this information lies with the end user
- **Crash Reporting**
  - Registering all crashes
  - Attempting to collect crash data (such as call stack)
  - Reporting statistics and crash data on developer's dashboard

IDE Support

- **Support for Visual Studio 2008**
  - Development Integration:
    - allows you to quickly insert SDK library code into your existing applications/components
    - integrate the Intel AppUpTM Software Debugger into your debug flow, etc., from within your IDE.
  - Portal Integration:
    - allows you to interact with the Intel AppUpSM Developer Program portal to view your Dashboard, interact with Developer Resources, etc., from within your IDE
  - For C/C++ and .NET

Download the SDK

- **Support for Windows**
  - C / C++
  - .NET (C#, VB)
  - Adobe AIR
  - Java (wrapper today, jar-file in Q4)
- **Plug-in for Visual Studio**
- **Support for Moblin**
- **MeeGo in 2011**

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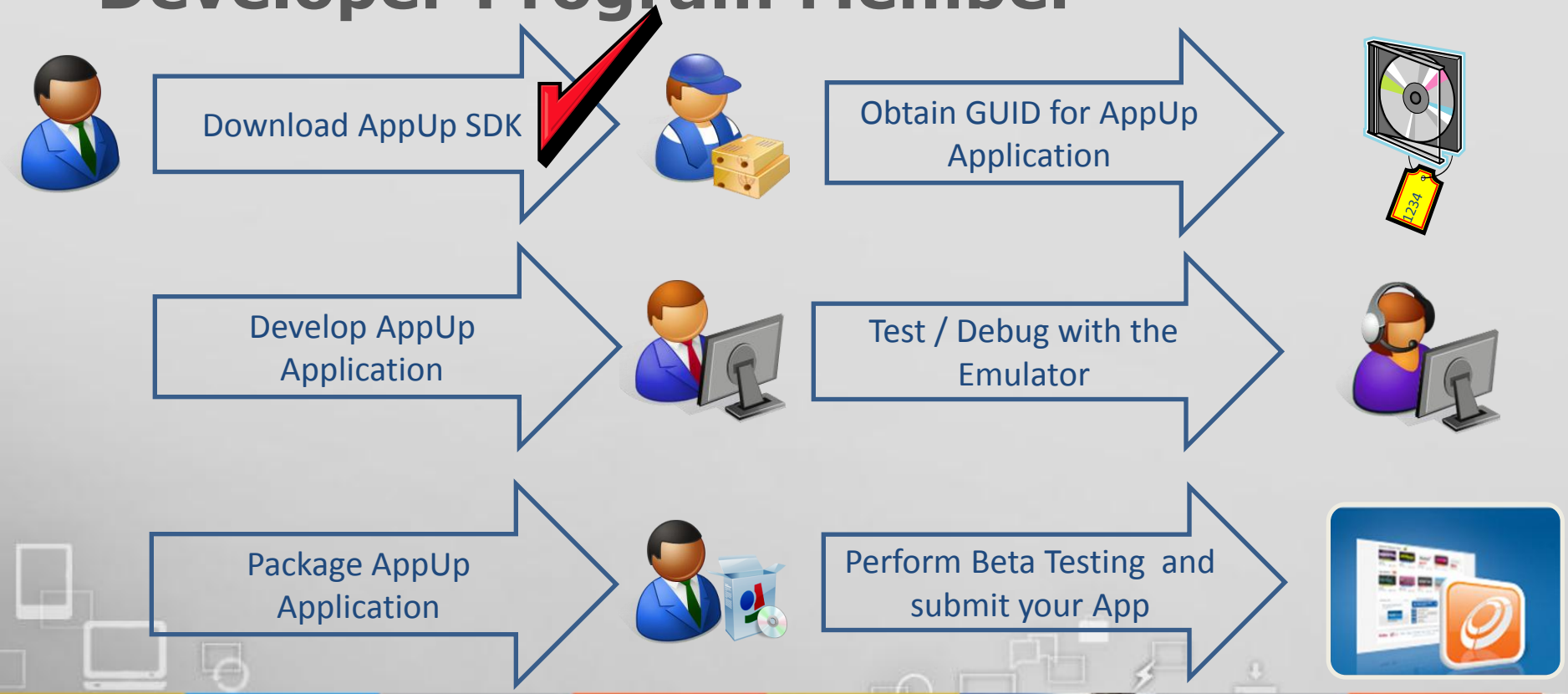

What is a GUID and where do I get it?

- **The GUID is a 128-bit Authorisation ID**
  - Every app has it's own individual GUID
  - Your application is identified by this GUID
  - All licencing is checked by using the GUID
  - For debugging use the debug GUID (all 1s)
- **The GUID is generated when you start a new app on the Intel AppUp developer website**

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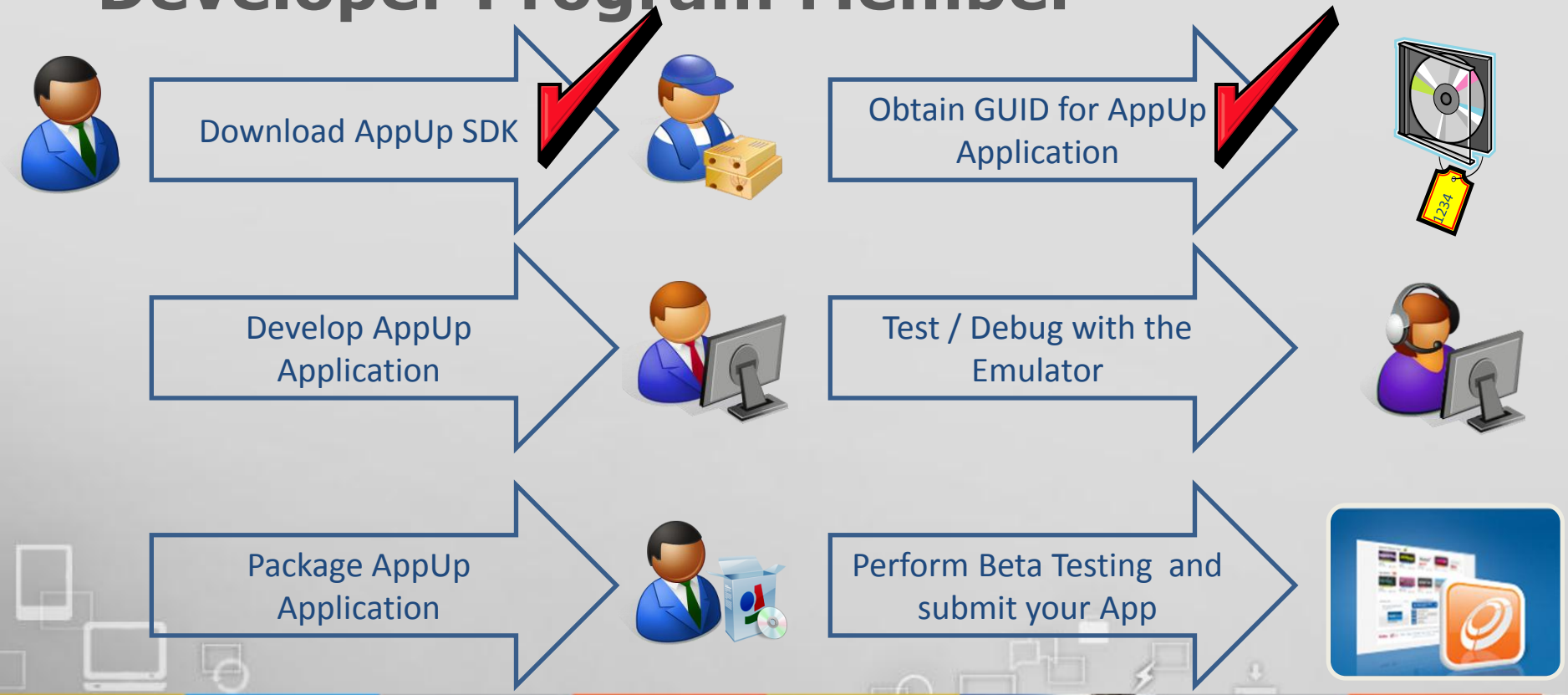
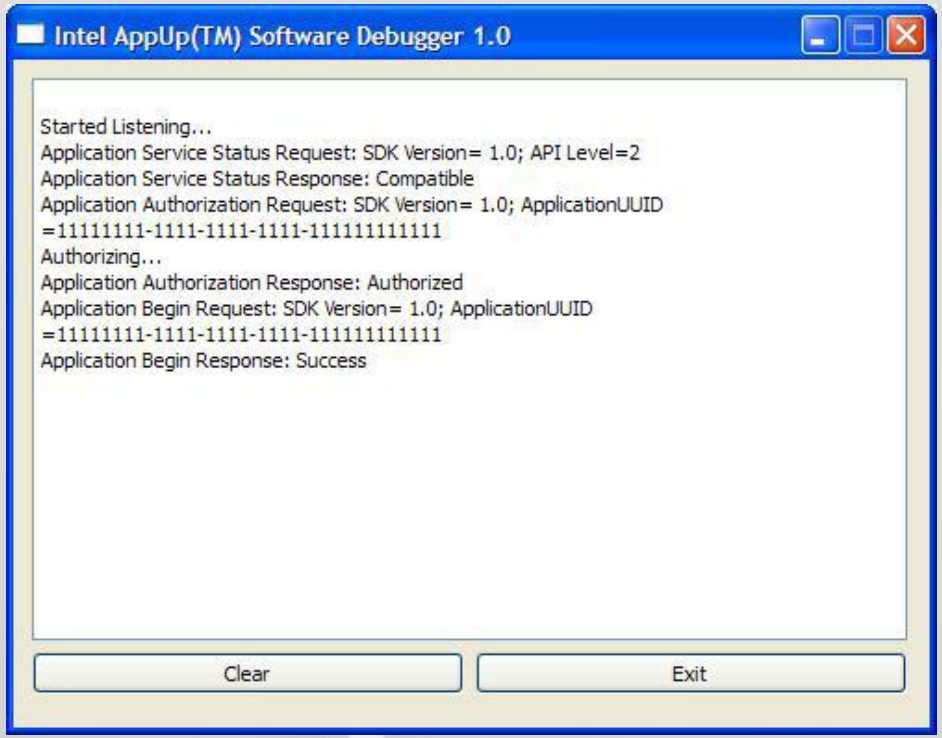


Developing an App for AppUp

- **The main part is adding code for authorisation**
  - This will include libraries and headers
  - Exception handling
  - Calls to the SDK libaries
- **Crash reporting and instrumentation are optional**
  - We recommend to check them out
  - Crash reporting is really helpfull to find field issues
  - Instrumentation is important to optimise your app for the best user experience

Software Debugger (ATDS)

- **Simulates the AppUp store**
  - Initialization, authorization and communication with backend
- **Shows communication between your app and the store**



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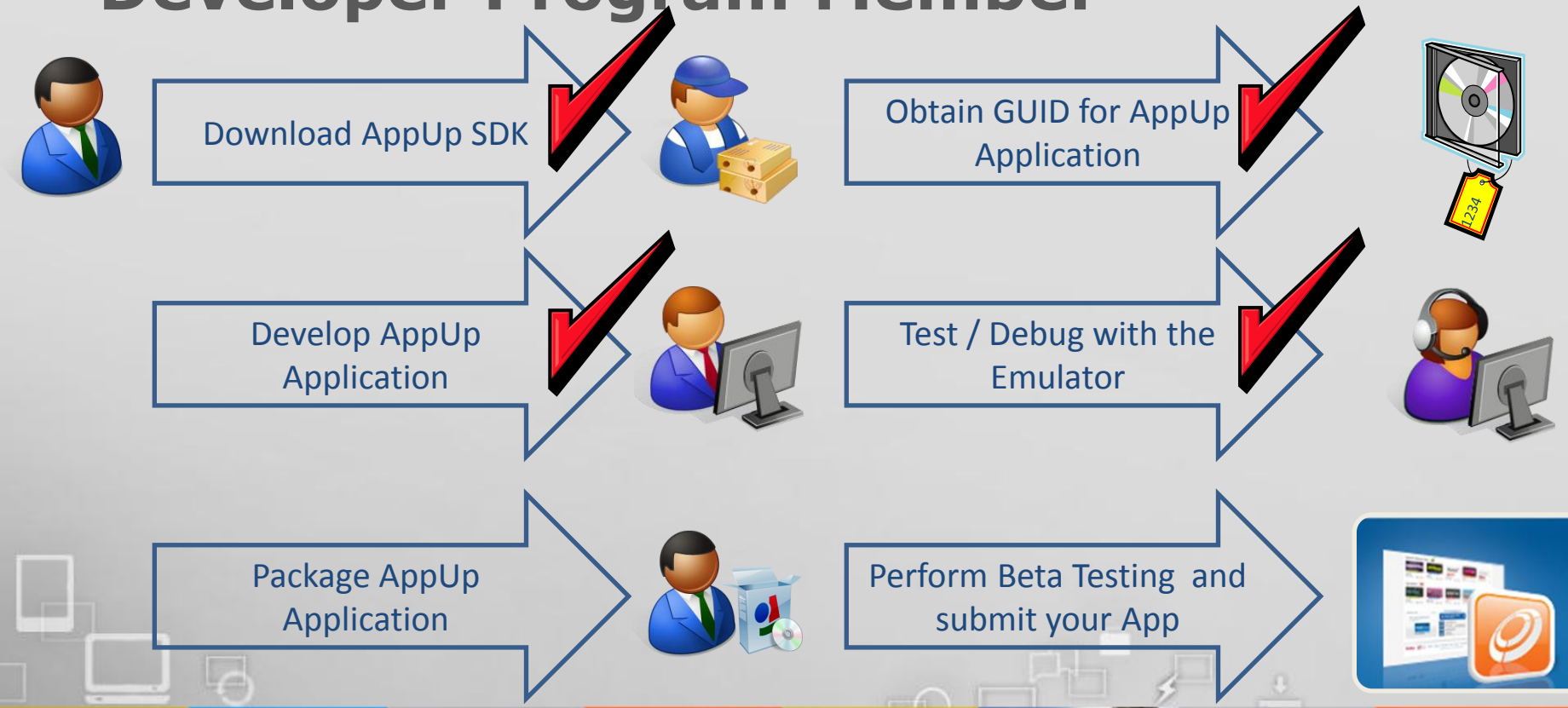
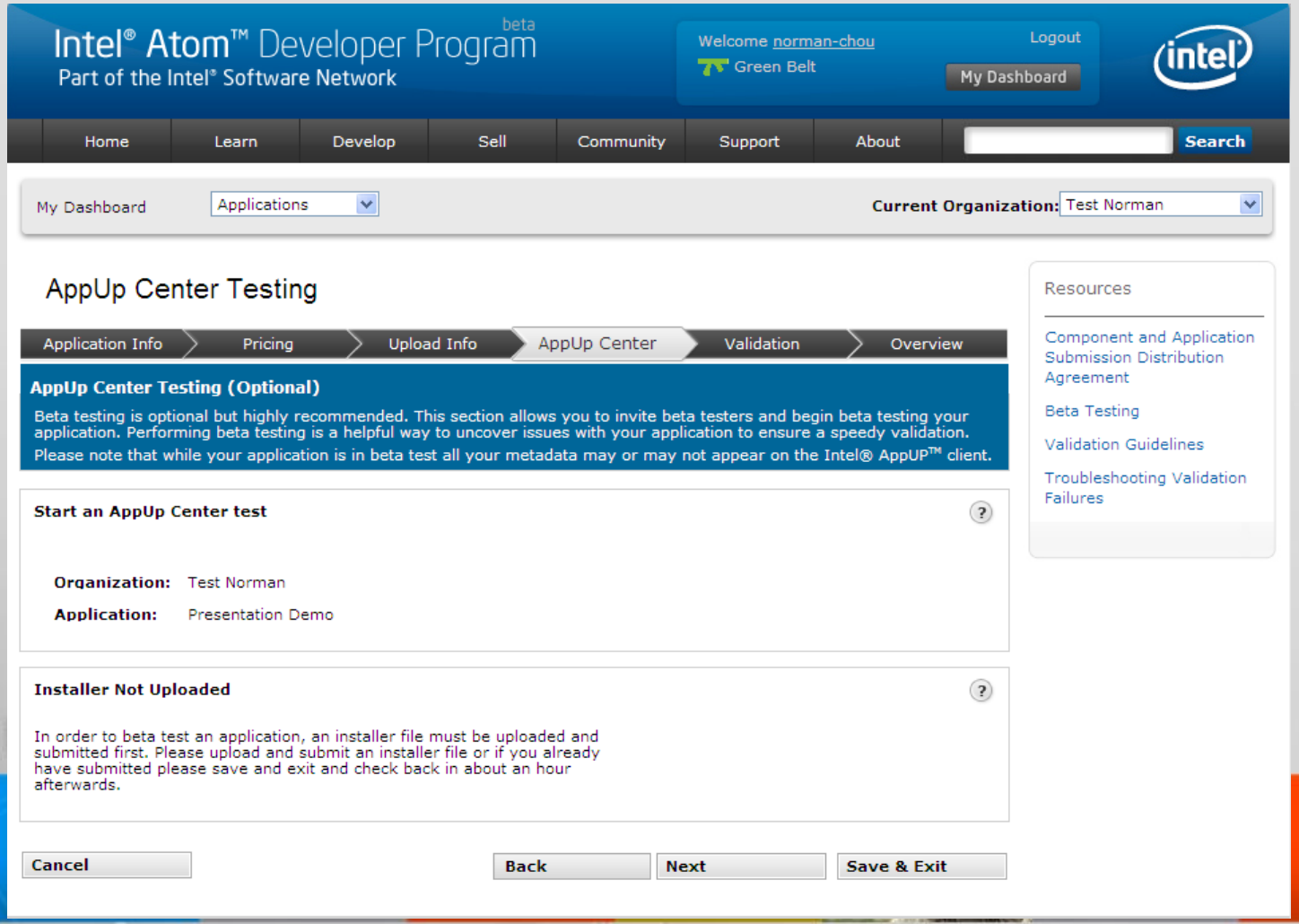


App Packaging

- For Windows*: Use Visual Studio's Setup Project
- Check for the correct C++ runtime
- Remove any installation screens
- Add at least one shortcut (Start Menu, Desktop, etc.)
- Shortcuts must only target a single executable
- Don't assume your app will start in it's Program Files folder

- Read the article: Application Packaging Requirements Guide http://appdeveloper.intel.com/en-us/article/packaging-requirements

Application Beta Testing



AppUp Center Testing

Application Info | Pricing | Upload Info | AppUp Center | Validation | Overview

AppUp Center Testing (Optional)

Beta testing is optional but highly recommended. This section allows you to invite beta testers and begin beta testing your application. Performing beta testing is a helpful way to uncover issues with your application to ensure a speedy validation. Please note that while your application is in beta test all your metadata may or may not appear on the Intel® AppUP™ client.

Start an AppUp Center test

Organization: Test VC

Application: Test App 5

Test Status: Not Started

Add Beta Testers

Invite

Beta testers must be registered in the app store. The following email addresses are not registered. You may invite them to register so that they will be eligible for the test.

Test.developer@mydomain.com

Invite To Register

Current Beta Tester List

Send Message | End Beta Test | Copy List

Name	Invited On	Invited By	Remove
	09 May 2010	test-vc4	

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Download AppUp SDK

Obtain GUID for AppUp Application

Develop AppUp Application

Test / Debug with the Emulator

Package AppUp Application

Perform Beta Testing and submit your App

Get started!

- **Become a member of Intel AppUp ℠ Developer Program**
  - Enroll at appdeveloper.intel.com
- **Build revenue by publishing your apps through the Intel AppUp Developer Program**
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Q&A

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