

Creating Applications for the Intel® AppUpsm Developer Program

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 AppUpsm 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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Get started coding MeeGo apps, & win with our MeeGo Contest.

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Get the SDK

Intel AppUpSM developer program SDK is available. Submit your applications now!

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A Day in the Life of an Intel AppUpSM Developer Program Member



Download AppUp SDK



Obtain GUID for AppUp Application



Develop AppUp Application



Test / Debug with the Emulator



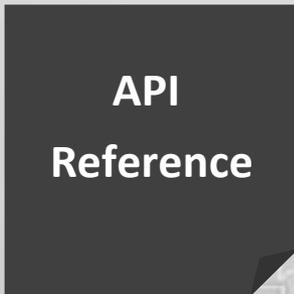
Package AppUp Application



Perform Beta Testing and submit your App



What is the SDK?



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 AppUp™ 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**



The screenshot shows the Intel AppUp developer program website. The header includes the Intel logo, "AppUpSM developer program", and "Part of the Intel[®] Software Network". A user is logged in as "paul-farquhar" with a "Logout" link and a "My Dashboard" button. The navigation menu includes Home, Learn, Develop, Sell, Community, Support, and About. A search bar is also present.

The main content area is titled "Download the Software Development Kit (SDK) Here." It features a graphic of a computer monitor with various icons (lock, mail, calendar, code) and a large blue double-headed arrow icon.

Resources

- [FAQ](#)
- [Release Notes \(windows\)](#)

SDKs currently supports C/C++ & .NET for Windows[®], Adobe AIR, and C/C++ for Moblin. We will support additional runtime technologies in the future.

1. Download the SDK
2. Get a GUID by starting the submission process
3. Integrate, Debug and Test using the SDK
4. Submit your apps and components

Download the Software Development Kit (SDK) Here.

The goal of the Intel AppUpSM developer program Software Development Kit (SDK) is to provide programming framework and libraries that enables the interaction with the Intel AppUpSM developer program processes and infrastructure.

The Intel AppUpSM developer program SDK for native Windows[®] and native Moblin[™] application development provides many developer benefits including authorization, crash reporting, and a consumer store client emulator for testing.

Download the SDK and submit your applications to take full advantage of revenue-generating opportunities. All submitted applications with the exception of open source applications must integrate with the beta version of the SDK for validation. Please provide feedback and suggestions on the SDK that will define the roadmap of the SDK going forward.

Download SDK 1.0 for Windows C/C++
[Download](#) (login required)

Download .NET SDK
[Download](#) (login required)

Download Adobe AIR InMarket SDK
[Download](#) (login required)

Download SDK (beta2) for Moblin – rpm
[Download](#) (login required)

Download SDK (beta2) for Moblin – deb
[Download](#) (login required)

Developer Catalog
Browse and download components ready to be used in your applications.
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Featured Development
Components

1. [DLL Wrapper](#)
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Articles

1. [SDK developers guide](#)
2. [SDK API specification](#)
3. [SDK API specification for C++](#)

[More](#)

Other Developer Resources

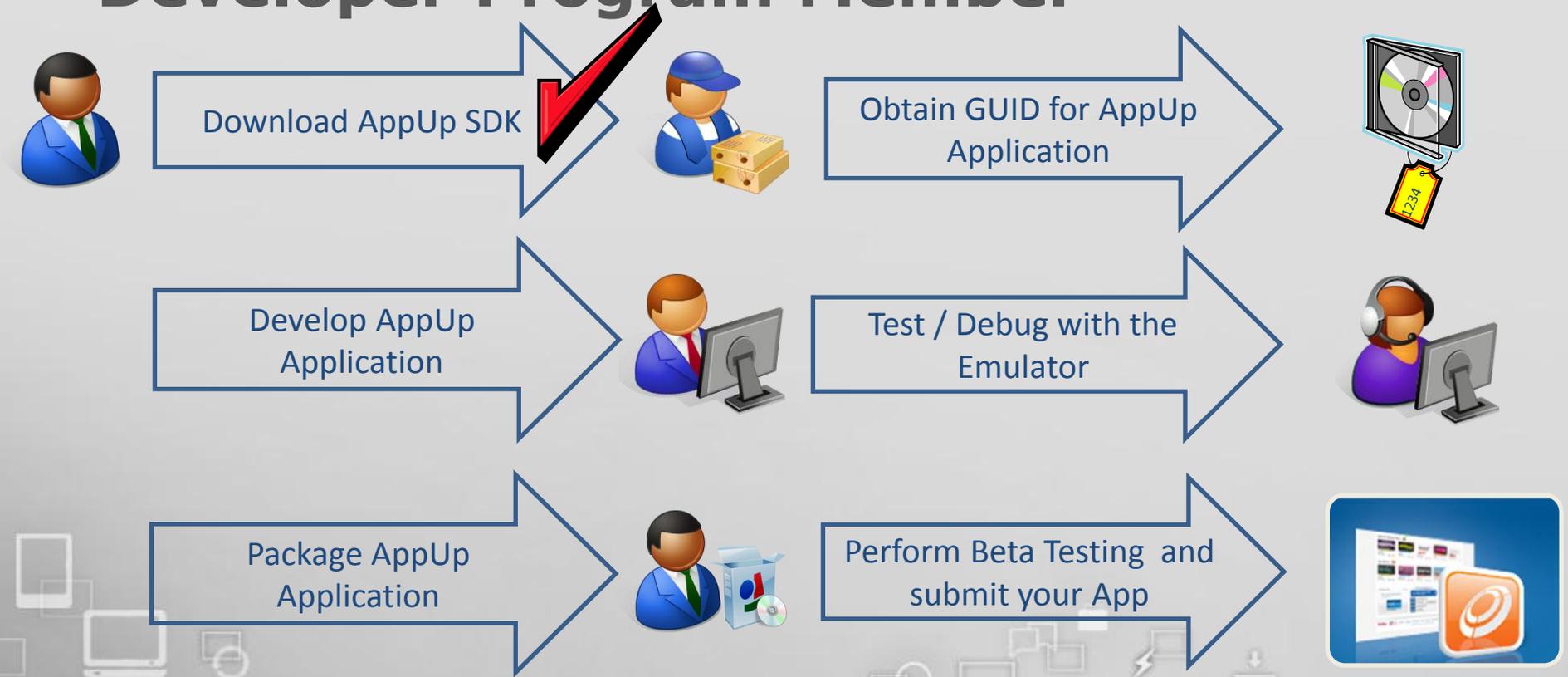
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What is a GUID and where do I get it?

- **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**

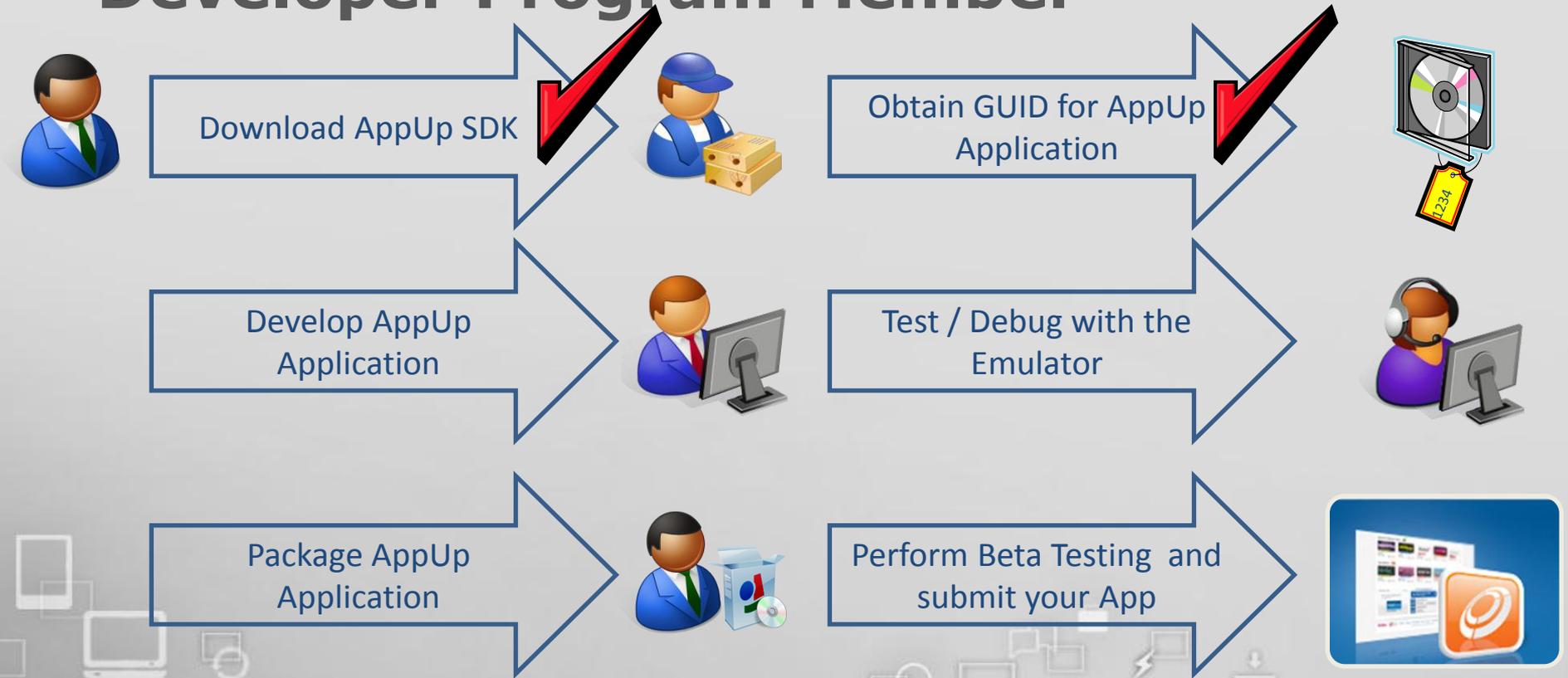


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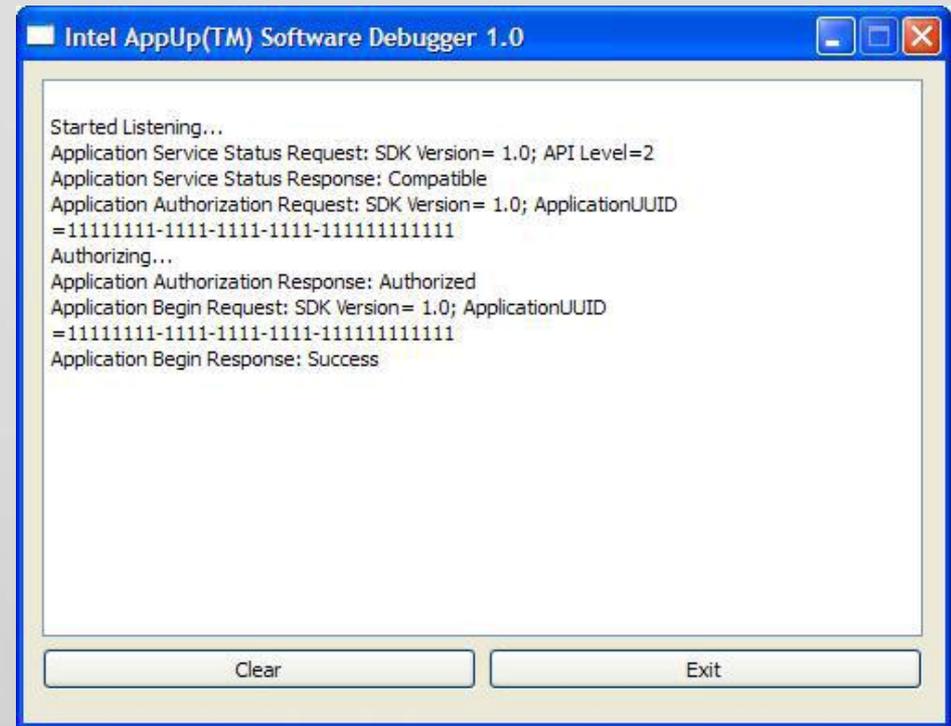
Developing an App for AppUp

- **The main part is adding code for authorisation**
 - This will include libraries and headers
 - Exception handling
 - Calls to the SDK libraries
- **Crash reporting and instrumentation are optional**
 - We recommend to check them out
 - Crash reporting is really helpful 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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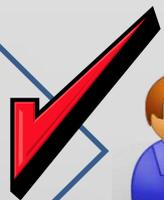
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App Packaging

- **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

Intel® Atom™ Developer Program ^{beta}
Part of the Intel® Software Network

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My Dashboard Applications Current Organization: Test Norman

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 Norman
Application: Presentation Demo

Installer Not Uploaded ?

In order to beta test an application, an installer file must be uploaded and submitted first. Please upload and submit an installer file or if you already have submitted please save and exit and check back in about an hour afterwards.

[Cancel](#) [Back](#) [Next](#) [Save & Exit](#)

Resources

- [Component and Application Submission Distribution Agreement](#)
- [Beta Testing](#)
- [Validation Guidelines](#)
- [Troubleshooting Validation Failures](#)

AppUp Center Testing (Optional)

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Start an AppUp Center test ?

Organization: Test VC
Application: Test App 5
Test Status: Not Started

Add Beta Testers

 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.

Current Beta Tester List

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

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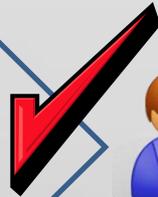
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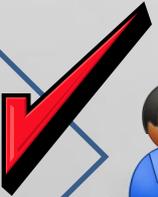
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- **Build revenue by publishing your apps through the Intel AppUp Developer Program**
 - Go to appdeveloper.intel.com/sell
- **Download the Intel AppUpSM Center**
 - Look for opportunities to address consumer gaps
 - Go to appup.com

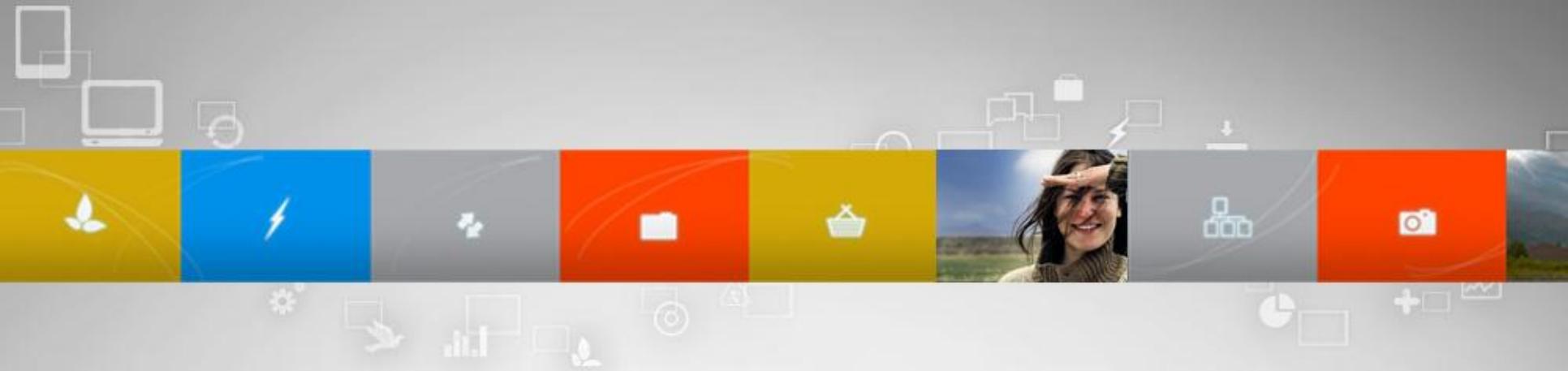


Q&A

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