

# An Android application managed with Visual Studio Team Services

my cellars and tastes



# Java tools challenge 2016



# Google Play Store



## My cellars and tastes

Mathieu Benoit Tools

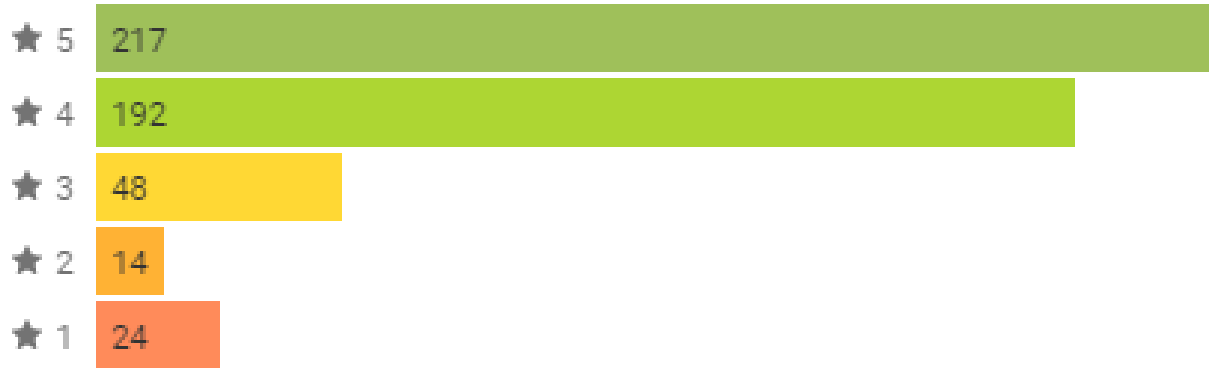
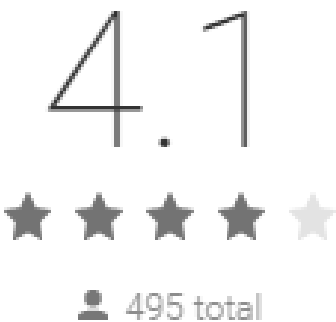
★★★★★ 495

Everyone

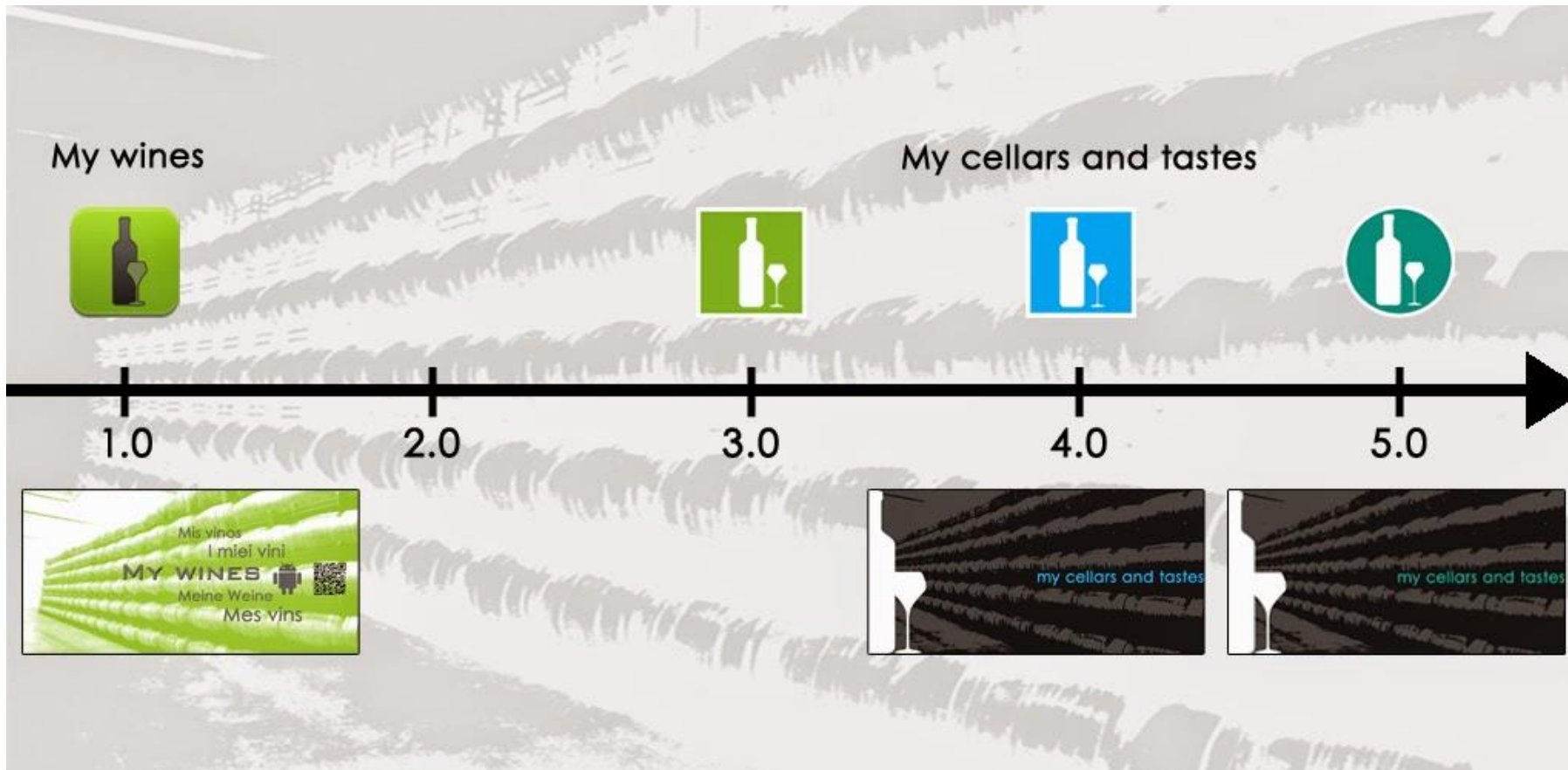
This app is compatible with all of your devices.

Installed

### REVIEWS



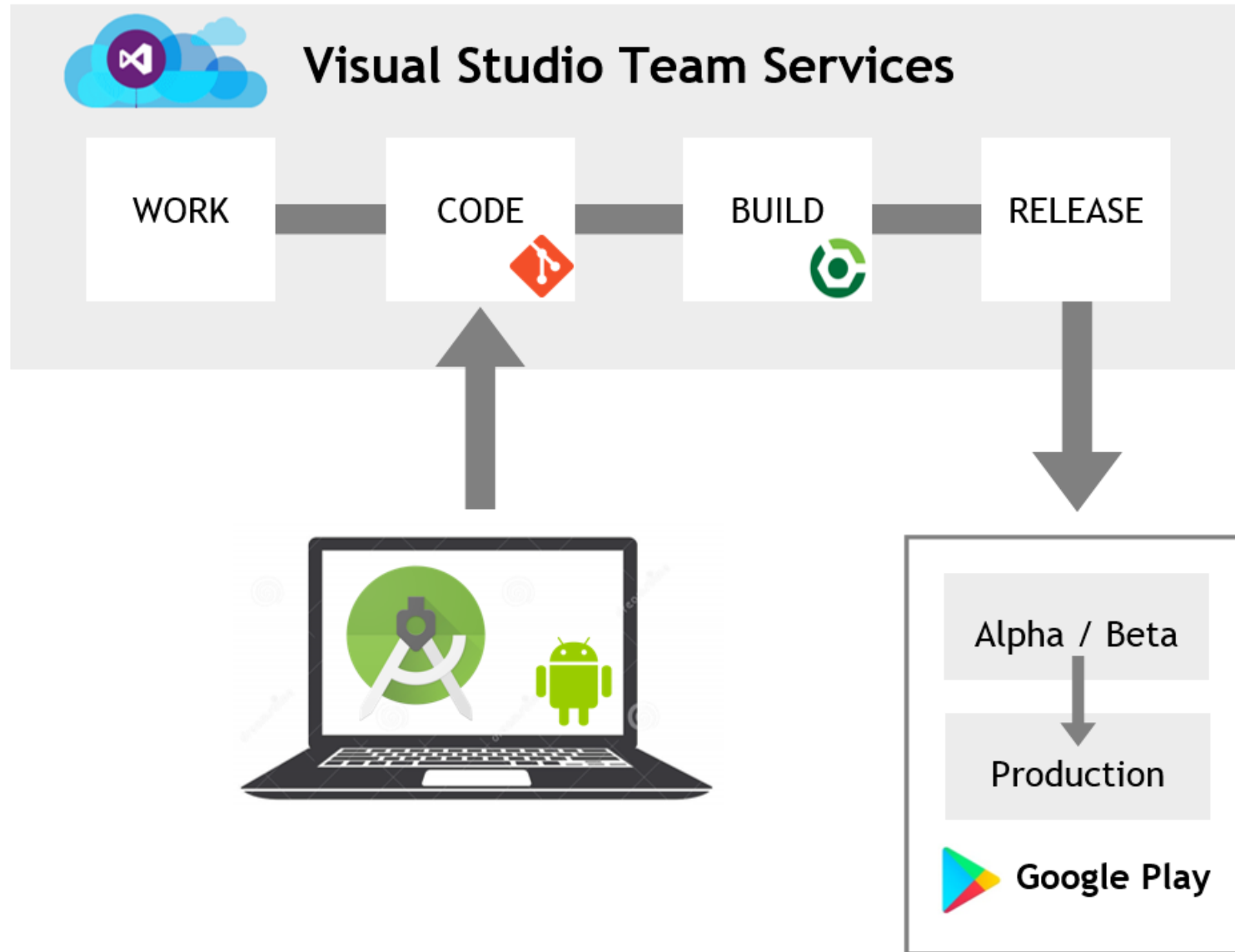
# History since 2012



# Tools and Technologies

Before the Challenge	After the Challenge
Eclipse	Android Studio
SVN	Gradle build
Mylyn	Visual Studio Team Services
Manual build and release	Backlog
	Git
	Team Room
	Build
	Release

# ALM Process



# Android Studio

The screenshot displays the Android Studio interface for a project named "My cellars and tastes". The top toolbar includes standard IDE functions like File, Edit, View, and Run. The left sidebar shows the Project Structure tree with the following hierarchy:

- Android
  - Framework
  - MyCellar
    - manifests
    - java
      - com.mycellar
    - res
  - Gradle Scripts
    - build.gradle (Project: My cellars and tastes)
    - build.gradle (Module: Framework)
    - build.gradle (Module: MyCellar)
    - proguard-project.txt (ProGuard Rules for MyCellar)
    - settings.gradle (Project Settings)
    - local.properties (SDK Location)

The main editor window shows the `build.gradle` file for the `MyCellar` module. A yellow notification bar at the top of the editor states: "Gradle files have changed since last project sync. A project sync may be necessary for the IDE to work properly." with a "Sync Now" button. The code in the editor is as follows:

```
// Top-level build file where you can add configuration options common to all sub-projects/modules.

buildscript {
    repositories {
        jcenter()
    }
}

dependencies {
    classpath 'com.android.tools.build:gradle:2.1.0'

    // NOTE: Do not place your application dependencies here; they belong
    // in the individual module build.gradle files
}

allprojects {
    repositories {
        jcenter()
    }
}
```

Below the editor, the "Work Items" tab is active, displaying a table of tasks:

ID	Type	State	Branch	Title
57	Product Backlog Item	Done		Continuous Build with Gradle task
118	Product Backlog Item	New		VSTS Java Challenge documentation
136	Product Backlog Item	Done		Instal Android Studio VSTS Plugin
73	Product Backlog Item	Done		Move from Eclipse to Android Studio
128	Product Backlog Item	Done		Update jcenter 2.1.0
137	Product Backlog Item	Done		Continuous deployment with Google Play task within VSTS
63	Product Backlog Item	Done		Android Plug-in for Gradle
134	Bug	Done		Build 37 failed

The bottom status bar shows the current file encoding as UTF-8 and the Git status as "Git: master".

# VSTS - Team Room

Visual Studio Team Services

Search code

My cellars and tastes

Overview Users Rooms Load test

New

My cellars and tastes Team Room

My cellars and tastes Team Room 4/29/2016 Live

Product Backlog Item #57 Build Automatique	2:39 pm
Transitioned to Done by My cellars and tastes.	
Product Backlog Item #73 Change Eclipse for Android Studio	2:42 pm
Transitioned to Done by My cellars and tastes. Assigned to Mathieu Benoit by My cellars and tastes.	
Bug #133 Build 36 failed	2:45 pm
Transitioned to Done by My cellars and tastes.	
Bug #134 Build 37 failed	2:45 pm
Transitioned to Done by My cellars and tastes.	
Product Backlog Item #136 Installer VSTS Plugin à Android Studio	6:18 pm
Created by My cellars and tastes.	
Product Backlog Item #136 Installer VSTS Plugin à Android Studio	6:18 pm
Assigned to My cellars and tastes by My cellars and tastes.	
Product Backlog Item #136 Installer VSTS Plugin à Android Studio	6:19 pm
Transitioned to Done by My cellars and tastes.	
Product Backlog Item #137 Continuous deployment with Google Play task within VSTS	11:21 pm
Created by My cellars and tastes.	
Product Backlog Item #137 Continuous deployment with Google Play task within VSTS	11:21 pm
Assigned to My cellars and tastes by My cellars and tastes.	
Friday, April 29, 2016	
Product Backlog Item #137 Continuous deployment with Google Play task within VSTS	1:56 am
Transitioned to Done by My cellars and tastes.	
Product Backlog Item #73 Move from Eclipse to Android Studio	1:58 am
Assigned to My cellars and tastes by My cellars and tastes.	
1 commit was pushed to Branch master in repository My cellars and tastes by My cellars and tastes	2:07 am
Commit e9f1015a version 95 + cleanup old apks. 3 items edited 195 items deleted	
1 commit was pushed to Branch master in repository My cellars and tastes by My cellars and tastes	2:53 am
Commit 5802dc21 version 96 1 item edited	

Post a message



# VSTS - WORK

Visual Studio Team Services / My cellars and tastes

Search work items | My cellars and tastes

HOME CODE **WORK** BUILD TEST RELEASE

Backlogs Queries

My cellars and tastes Team 6.0.94

No iteration dates  
[Set dates](#)

Work details On

Work  
Work By: Activity  
Work By: Assigned To

Title	State	Assigned To	Remain...
+ VSTS Java Challenge documentation	New	My cellars and t...	
Continuous deployment with Google Play task within VSTS	Done	My cellars and t...	
Instal Android Studio VSTS Plugin	Done	My cellars and t...	
Update jcenter 2.1.0	Done	My cellars and t...	
Continuous Build with Gradle task	Done	My cellars and t...	
Android Plug-in for Gradle	Done	My cellars and t...	
Move from Eclipse to Android Studio	Done	My cellars and t...	
Build 22 failed	Done	My cellars and t...	
Build 23 failed	Done	My cellars and t...	
Build 24 failed	Done	My cellars and t...	
Build 25 failed	Done	My cellars and t...	
Build 26 failed	Done	My cellars and t...	
Build 28 failed	Done	My cellars and t...	
Build 31 failed	Done	My cellars and t...	
Build 32 failed	Done	My cellars and t...	
Build 33 failed	Done	My cellars and t...	
Build 36 failed	Done	My cellars and t...	
Build 37 failed	Done	My cellars and t...	

# VSTS - CODE

The screenshot displays the VSTS web interface for a repository named "My cellars and tastes". The browser address bar shows the URL: [https://mycellarsandtastes.visualstudio.com/DefaultCollection/My%20cellars%20and%20tastes/\\_git/My%20cellars%20and%20tastes](https://mycellarsandtastes.visualstudio.com/DefaultCollection/My%20cellars%20and%20tastes/_git/My%20cellars%20and%20tastes). The interface includes a navigation bar with tabs for HOME, CODE, WORK, BUILD, TEST, and RELEASE. The "CODE" tab is active, showing the Explorer view. On the left, a sidebar lists the repository's structure: Framework, gradle/wrapper, MyCellar, build.gradle, gradlew.bat, README.md, and settings.gradle. The main area shows the "master" branch with a "Clone" button. Below this, a table lists the commit history.

Name	Last Change	Comments
Framework	13 hours ago	Set back com.android.support:appcompat-v7:23.2 - mathieu-benoit
gradle/wrapper	4/11/2016	Move gradle configs. - mathieu-benoit
MyCellar	2 minutes ago	version 96 - mathieu-benoit
build.gradle	15 hours ago	Change version of MyCellar from 93 to 94 + Upgrade android.tools.build.gradle - mathieu-benoit
gradlew.bat	4/11/2016	Move gradle configs. - mathieu-benoit
README.md	12/24/2014	Updated README.md - My cellars and tastes
settings.gradle	4/11/2016	Move gradle configs. - mathieu-benoit

# VSTS - BUILD

Visual Studio Team Services / My cellars and tastes

HOME CODE WORK BUILD TEST RELEASE

Explorer

Build | Edit

Queued Completed Deleted

Filter by tags: Add...

Queue build...

Name	Build Definition	Source Branch	Source Version	Date Completed	Requested For
39	Build	refs/heads/master	Commit e9f1015a	44 minutes ago	My cellars and tastes
38	Build	refs/heads/master	Commit 242d6f07	13 hours ago	My cellars and tastes
37	Build	refs/heads/master	Commit e1601b69	13 hours ago	My cellars and tastes
36	Build	refs/heads/master	Commit f9b3c6b7	14 hours ago	My cellars and tastes
35	Build	refs/heads/master	Commit ce32566e	14 hours ago	My cellars and tastes
34	Build	refs/heads/master	Commit 023a52bf	24 hours ago	My cellars and tastes
33	Build	refs/heads/master	Commit 023a52bf	24 hours ago	My cellars and tastes
32	Build	refs/heads/master	Commit 023a52bf	24 hours ago	My cellars and tastes
31	Build	refs/heads/master	Commit 023a52bf	Thursday	My cellars and tastes
30	Build	refs/heads/master	Commit 023a52bf	Thursday	My cellars and tastes
29	Build	refs/heads/master	Commit 023a52bf	Thursday	My cellars and tastes
28	Build	refs/heads/master	Commit 023a52bf	Sunday	My cellars and tastes
27	Build	refs/heads/master	Commit 023a52bf	Sunday	My cellars and tastes
26	Build	refs/heads/master	Commit 3cfa71a7	Sunday	My cellars and tastes
25	Build	refs/heads/master	Commit 9cad5842	Sunday	My cellars and tastes
24	Build	refs/heads/master	Commit 98fc3b7d	Sunday	My cellars and tastes
23	Build	refs/heads/master	Commit e8c25856	Sunday	My cellars and tastes
22	Build	refs/heads/master	Commit 6e3ec4ff	Sunday	My cellars and tastes
21	Build	refs/heads/master	Commit 6bf4d4de	4/12/2016	My cellars and tastes

# VSTS - BUILD

Visual Studio Team Services / My cellars and tastes

HOME CODE WORK **BUILD** TEST RELEASE

Explorer

Search all definitions...

- My favorites
- Team favorites
- Build definitions
  - All build definitions
  - Build**
- XAML definitions
  - All XAML definitions

Definitions / Build | Builds

Build Options Repository Variables Triggers General Retention History

Save Queue build... Undo

+ Add build step...

- Android Build  
Android Build
- Copy Files  
Copy Files to: C:/a/1/s/MyCellar/build/outputs
- Android Signing**  
Signing and aligning APK file(s) C:/a/1/s/MyCellar/build/outputs/apk/MyCellar-release-unsigned.apk
- Publish Build Artifacts  
Publish Artifact: Build

# VSTS - RELEASE

Visual Studio Team Services / My cellars and tastes

HOME CODE WORK BUILD TEST RELEASE

Explorer

Go here for help getting started with Release Management.

Release | Edit

Releases Overview State: All

Search release definitions...

Release Definitions

All release definitions

Release

Title	Environments	Build	Branch	Started	Created By	Description
Release-23		40 (Build)	refs/heads/master	5 minutes ago	My cellars and tastes	
Release-22		40 (Build)	refs/heads/master	8 minutes ago	My cellars and tastes	Triggered by Build 40.
Release-21		39 (Build)	refs/heads/master	22 minutes ago	My cellars and tastes	
Release-20		39 (Build)	refs/heads/master	24 minutes ago	My cellars and tastes	
Release-19		39 (Build)	refs/heads/master	25 minutes ago	My cellars and tastes	
Release-18		39 (Build)	refs/heads/master	26 minutes ago	My cellars and tastes	
Release-17		39 (Build)	refs/heads/master	53 minutes ago	My cellars and tastes	Triggered by Build 39.
Release-16		38 (Build)	refs/heads/master	an hour ago	My cellars and tastes	
Release-15		38 (Build)	refs/heads/master	an hour ago	My cellars and tastes	
Release-14		38 (Build)	refs/heads/master	3 hours ago	My cellars and tastes	
Release-13		38 (Build)	refs/heads/master	3 hours ago	My cellars and tastes	
Release-12		38 (Build)	refs/heads/master	3 hours ago	My cellars and tastes	
Release-11		38 (Build)	refs/heads/master	3 hours ago	My cellars and tastes	
Release-10		38 (Build)	refs/heads/master	3 hours ago	My cellars and tastes	
Release-9		30 (Build)	refs/heads/master	Thursday	My cellars and tastes	Triggered by Build 30.
Release-8		29 (Build)	refs/heads/master	Thursday	My cellars and tastes	
Release-7		29 (Build)	refs/heads/master	Thursday	My cellars and tastes	
Release-6		29 (Build)	refs/heads/master	Thursday	My cellars and tastes	
Release-5		29 (Build)	refs/heads/master	Thursday	My cellars and tastes	Triggered by Build 29.
Release-4		27 (Build)	refs/heads/master	Sunday	My cellars and tastes	Triggered by Build 27.
Release-3		21 (Build)	refs/heads/master	4/12/2016	My cellars and tastes	Triggered by Build 21.
Release-2		20 (Build)	refs/heads/master	4/12/2016	My cellars and tastes	Triggered by Build 20.
Release-1		19 (Build)	refs/heads/master	4/12/2016	My cellars and tastes	

# VSTS - RELEASE

The screenshot displays the VSTS Release Management web interface. The browser's address bar shows the URL: `https://mycellarsandtastes.visualstudio.com/DefaultCollection/My%20cellars%20and%20tastes/_apps/hub/ms.vss-releaseManagement-web.hub-explorer?d`. The page header includes the Visual Studio Team Services logo and the project name "My cellars and tastes". A navigation bar contains links for HOME, CODE, WORK, BUILD, TEST, and RELEASE, with the RELEASE link highlighted. Below the navigation bar, there is an "Explorer" section with a message: "Go [here](#) for help getting started with Release Management."

The main content area is titled "Definition: Release" and includes a "Releases" link. It features a tabbed interface with "Environments", "Artifacts", "Configuration", "Triggers", "General", and "History", where "Environments" is currently selected. The "Environments" tab shows a "Default Environment" with "1 / 1 tasks enabled" and "0" users. To the right, the "Add tasks" section displays a task named "Google Play - Release" with the command: `Release $(System.DefaultWorkingDirectory)/Build/Build/apk/MyCellar-release-unsigned.apk to alpha`.

# VSTS - RELEASE

Google Play Developer Console

Toutes les applications

Services de jeux

Rapports

Paramètres

Alertes

My cellars and tastes

com.mycellar

Afficher sur le Play Store

PUBLIÉE 28 avril 2016 Annuler la publication de l'application

Publication standard

Traitement de la mise à jour en cours...

Envoyer la mise à jour

Passer en mode avancé

Statistiques

Acquisition d'utilisateurs

Notes et avis

Plantages et ANR

Conseils d'optimisation

Cloud Test Lab

Promotions

Fichiers APK

Fiche Google Play Store

Catégorie de contenu

Tarifs et disponibilité

Produits intégrés à l'application

Services et API

FICHIERS APK

PRODUCTION

Version 93

TESTS BÊTA

Configurez des tests bêta pour votre application.

TESTS ALPHA

Version 96

CONFIGURATION DE LA VERSION ALPHA

Importer un nouveau fichier APK en version alpha

GÉRER LES TESTEURS

Choisissez comment gérer votre programme de tests. En savoir plus

Désactiver les tests alpha

TESTS ALPHA OUVERTS

FICHIER APK ACTUEL

date de publication : 28 avr. 2016 20:06:56

Appareils compatibles

12206

Afficher la liste

Appareils exclus

0

Gérer les appareils exclus

Données relatives à ce titre

Plantages et ANR

Statistiques

VERSION

IMPORTÉ LE

ÉTAT

ACTIONS

96 (6.0.96)

28 avr. 2016

en version alpha

Passer à la version supérieure...

# An Android application managed with Visual Studio Team Services

my cellars and tastes

