Manajemen Konfigurasi dan Evolusi PL

PERTEMUAN 9
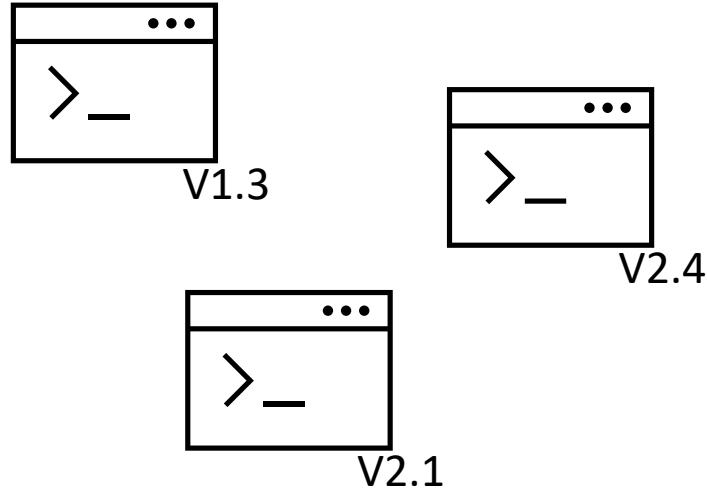**Software Release Management and Delivery**

Outline

- Pengertian Release
- Konten Dari Release
- Software Release Life Cycle
- Release Management

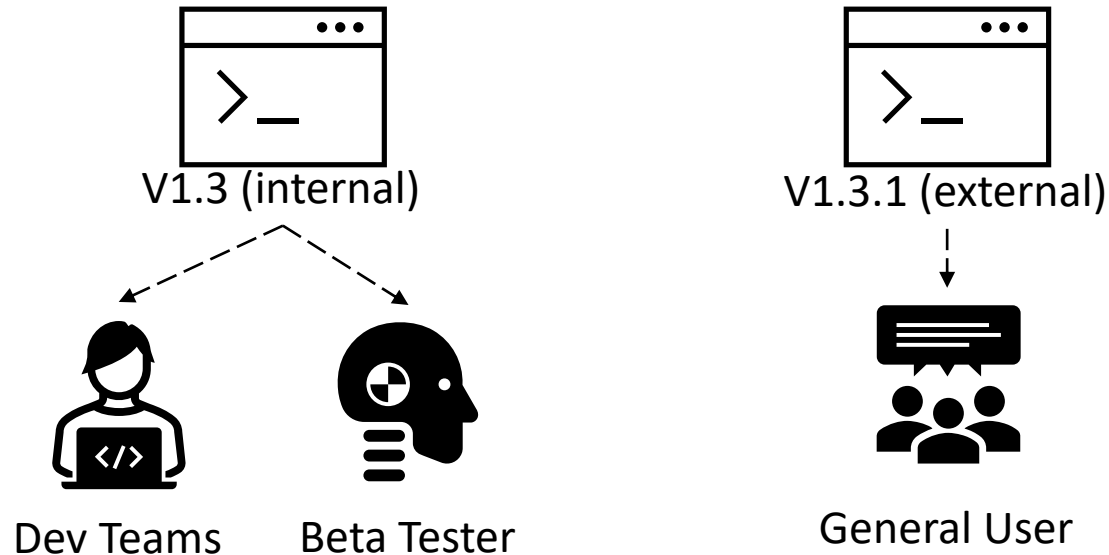# Release Management and Delivery

Pengertian Release

Release

V1.3

V2.4

V2.1

"A release is a version of software or a system under CM that is made formally available to a wider community."

IEEE 828-2012

Internal vs External Release

V1.3 (internal) V1.3.1 (external)

Dev Teams   Beta Tester   General User

Release dapat berupa **internal untuk konsumsi tim pengembang dan penguji beta** maupun **eksternal untuk pengguna umum**.

Release Management and Delivery

Konten Dari Release

Konten Dari Sebuah Release

1. File konfigurasi untuk tiap jenis instalasi

Konten Dari Sebuah Release

Q: **Error during uninstall: "unins000.dat does not exist"**

A: The solution is to install the *exact* same version of the codec pack that you currently have installed on top of your existing installation. That will recreate the missing file, allowing you to uninstall again.

The system restore function of Windows may cause the file to go missing. System restore should only be used to fix your system in extreme situations, such as BSODs or driver issues. You should never use it to undo changes that can easily be undone otherwise, such as removing software.

Q: **Symantec Norton antivirus shows a WS.Reputation.1 detection for the installer**

A: This is a generic message that Norton shows for any file that has not been downloaded enough times to build "reputation". It does not mean the file is bad! It simply means it is a new and unknown file. What usually works as a solution is to just wait a few hours and try again.

To completely disable this bogus detection in Norton:
Settings > Detailed Settings > Firewall > Intrusion and Browser Protection > Download Intelligence > Off

How to recover a removed file from quarantine

You can scan any suspicious file with multiple scanners using the free VirusTotal website.

Q: **Windows 10 shows error "This app can't run on your PC"**

A: This usually means that you have a damaged installer file.

Clear your browser cache, and then download a fresh copy of the file. If you are using Chrome and the problem keeps happening, then use another browser (Edge/Firefox) to download the file. Chrome can sometimes corrupt downloaded files.

2. File data yang berisi informasi yang dibutuhkan untuk operasi sistem yang baik

Konten Dari Sebuah Release
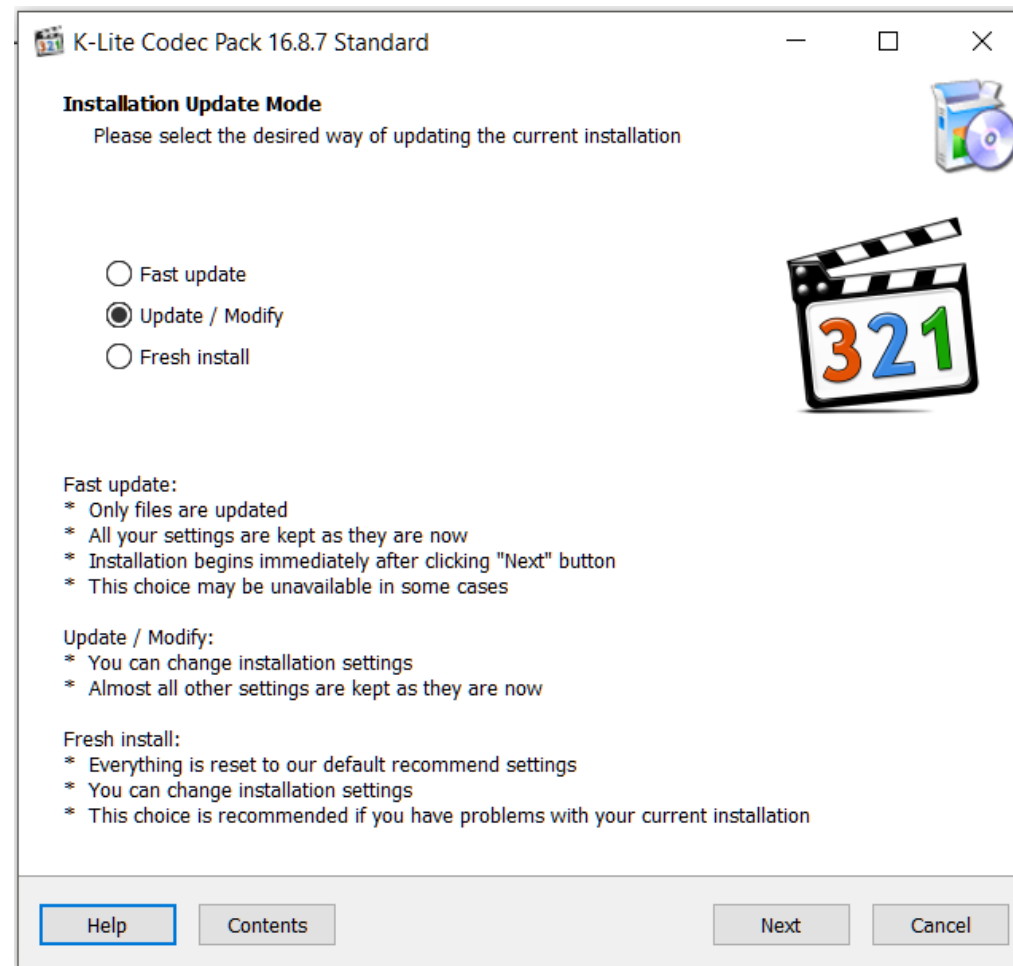
3. Program instalasi yang membantu melakukan instalasi sistem pada hardware.

Konten Dari Sebuah Release

This pack includes both 32-bit and 64-bit codecs.

Player:

Media Player Classic Home Cinema (MPC-HC) [version 1.9.19.42]
This is an advanced player with many useful options. We recommend using this player for video playback.

DirectShow video decoding filters:

LAV Video [version 0.76.1-0-gf4f2f]
This decoder supports a large number of video formats.

DirectShow audio decoding filters:

LAV Audio [version 0.76.1-0-gf4f2f]
This decoder supports a large number of audio formats.

DirectShow source filters:

LAV Splitter [version 0.76.1-0-gf4f2f]
This splitter supports a large number of audio and video file formats.

DirectShow subtitle filters:

DirectVobSub (xy-VSFilter) [version 3.2.0.806]
For displaying subtitles in WMP and other basic DirectShow players. It supports all common formats such as
SRT, SSA/ASS, PGS, and VobSub.
Your subtitle file should have the same filename as your video file. It should also be in the same folder as your
video file. Then the subtitles will automatically be loaded and displayed during playback.
Example: MovieName.avi + MovieName.srt

Other filters:

MPC Video Renderer [version 0.5.7.1812]
Very good video renderer with support for HDR video.

Tools:

Codec Tweak Tool [version 6.6.1]
This tool is essential for the management of codecs and settings. It has many useful features such as:
* Detect and fix several common problems
* Reset settings
* Backup and restore settings
* Configure preferred splitters
* Enable/disable any of the installed codecs and filters
* Manage thumbnail settings
* Generate detailed log with system information and list of installed codecs

4. Dokumentasi yang menjelaskan sistem yang akan diinstall.

5. Packaging dan media marketing lainnya

Release Management and Delivery

Software Release Life Cycle

RECYCLED

Why Did It Take Google So Long To Take Gmail Out of "Beta"?

It's been around for more than five years!
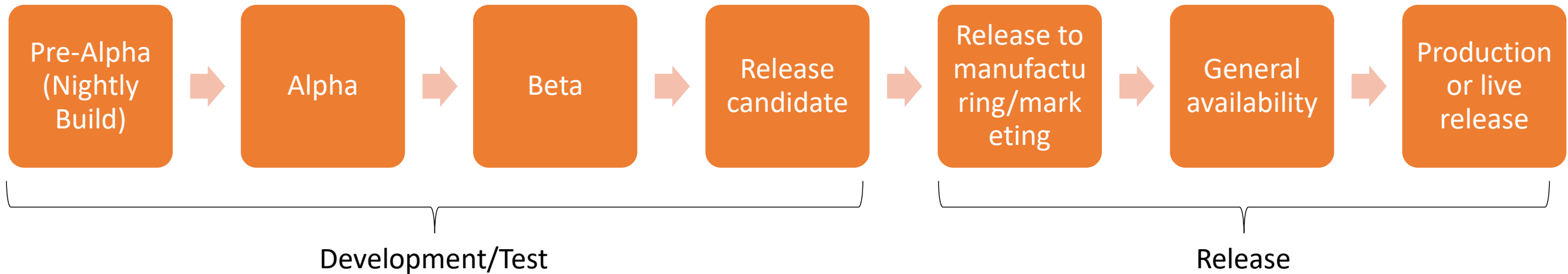
BY JULIET LAPIDOS   JULY 07, 2009 • 2:50 PM

TWEET

SHARE

COMMENT

Google took the "beta" label off several of its hallmark applications on Tuesday, including Gmail, Google Calendar, and Google Docs. Gmail launched in 2004, Google Docs in 2006—so what took so long? Back in April, Juliet Lapidos explained why Google tends to keep products in beta for extended periods of time. The original article is reprinted below.

Gmail turned five on Wednesday, April 1. Launched in 2004 as an invitation-only e-mail service, the Google product now has more than 100 million users. Yet it's still in "beta"—a term of art traditionally reserved for prototype software that's ready for testing. What gives?

https://slate.com/news-and-politics/2009/07/why-google-kept-gmail-in-beta-for-so-many-years.html

Software Release Life Cycle Umum

Pre-Alpha (Nightly Build) → Alpha → Beta → Release candidate → Release to manufacturing/marketing → General availability → Production or live release

Development/Test

Release

Jenis-Jenis Beta

- Closed Beta: Software versi beta yang digunakan untuk pengujian oleh pihak tertentu.
- Open Beta: Software versi beta yang digunakan untuk untuk pengujian oleh pihak umum.
- Perpetual Beta: Software yang dengan sengaja disimpan dalam versi beta dengan tujuan menambahkan fitur secara menerus.

Release Management and Delivery

Software Release Management

Release Management

"Assure that the proper set of deliverables (including documentation and ancillary materials) is delivered to the designated receiving party in the designated form to the designated location."

IEEE 828-2012

Release Decision

Factor	Description
Competition	For mass-market software, a new system release may be necessary because a competing product has introduced new features and market share may be lost if these are not provided to existing customers.
Marketing requirements	The marketing department of an organization may have made a commitment for releases to be available at a particular date. For marketing reasons, it may be necessary to include new features in a system so that users can be persuaded to upgrade from a previous release.
Platform changes	You may have to create a new release of a software application when a new version of the operating system platform is released.
Technical quality of the system	If serious system faults are reported that affect the way in which many customers use the system, it may be necessary to correct them in a new system release. Minor system faults may be repaired by issuing patches, distributed over the Internet, which can be applied to the current release of the system

Release Creation

- The executable code of the programs and all associated data files must be identified in the version control system and tagged with the release identifier.
- Configuration descriptions may have to be written for different hardware and operating systems.
- Updated instructions may have to be written for customers who need to configure their own systems.
- Scripts for the installation program may have to be written.
- Web pages have to be created describing the release, with links to system documentation.
- Finally, when all information is available, an executable master image of the software must be prepared and handed over for distribution to customers or sales outlets.

Further Reading

- "IEEE Standard for Configuration Management in Systems and Software Engineering," in *IEEE Std 828-2012*
- I. Sommerville, Software Engineering, 11th ed., Addison-Wesley, 2011.
- https://linuxhandbook.com/software-release-life-cycle-devops/