Technology
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New Media Product Design and Development

Lecture 6. Release and Other Work

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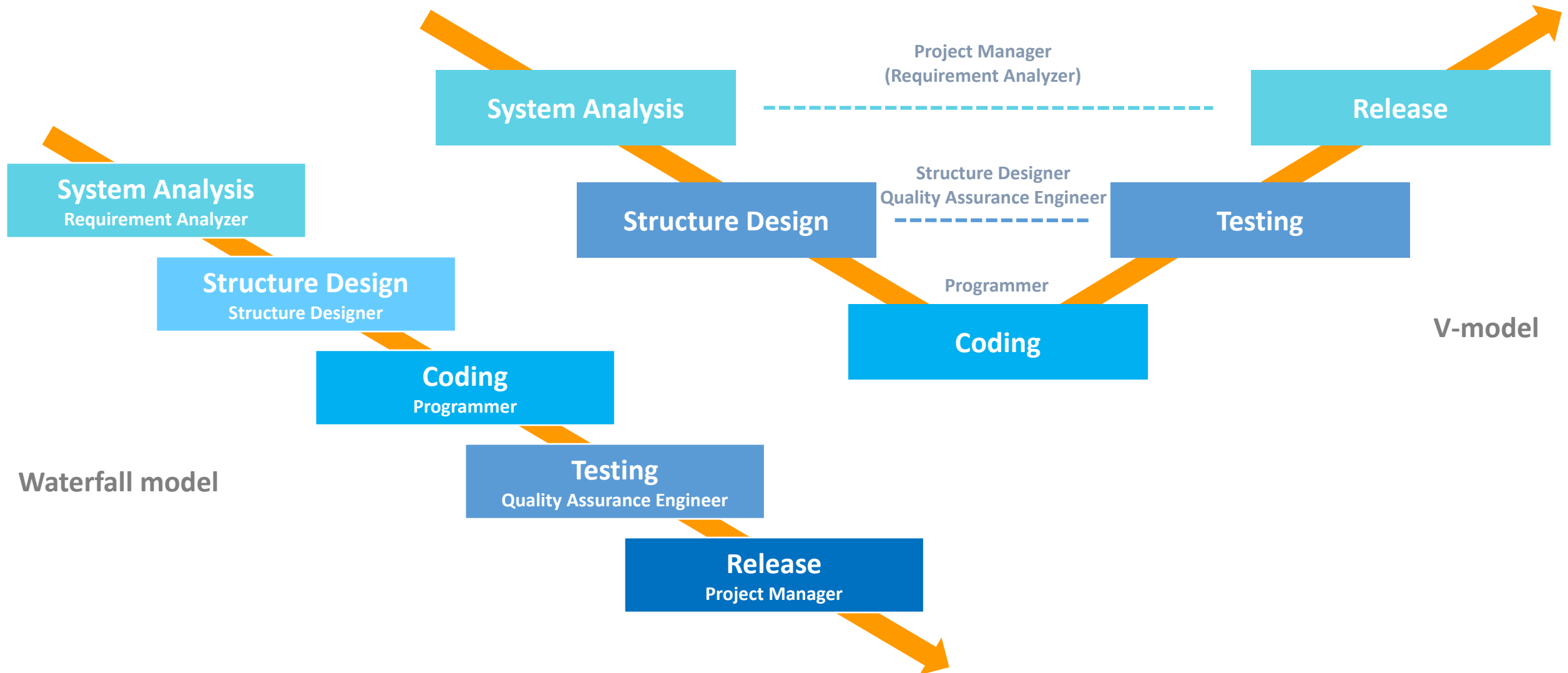
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Part 01 Software Release and Delivery

Release in the software development

Waterfall model

V-model

System Analysis — Requirement Analyzer
Structure Design — Structure Designer
Coding — Programmer
Testing — Quality Assurance Engineer
Release — Project Manager

System Analysis
Structure Design
Coding
Testing
Release

Project Manager (Requirement Analyzer)
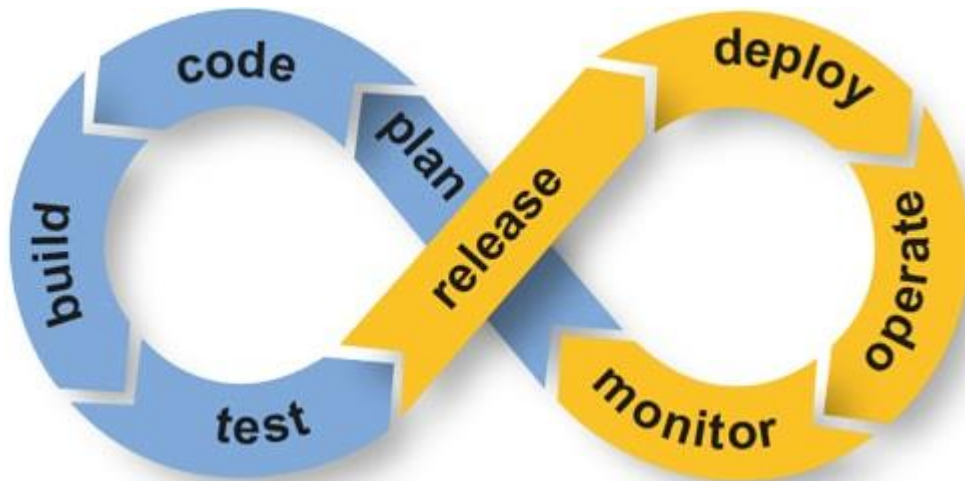Structure Designer Quality Assurance Engineer
Programmer

Software release

A release is the distribution of the final version of an application.

A software release may be either public or private and generally constitutes the initial generation of a new or upgraded application.

A release is preceded by the distribution of alpha and then beta versions of the software.

The release activity follows from the completed development process. It includes all the operations to prepare a system for assembly and transfer to the customer site. Therefore, it must determine the resources required to operate at the customer site and collect information for carrying out subsequent activities of **deployment** process.

Software delivery

Software delivery (also known as **"software deployment"**)
is all of the activities that make a software system available for use.

Delivery Activities

01 Release

02 Install and Activate

03 Deactivate

04 Adapt

05 Update

06 Built-In
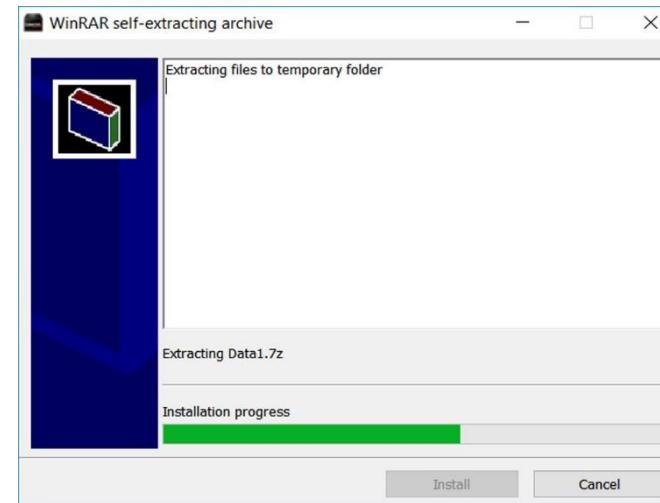
07 Version Control

08 Uninstall

09 Retire

http://www.softwaredelivery.com/

Install and activate

" Activation is the activity of starting up the executable component of software. For simple system, it involves establishing some form of command for execution. For complex systems, it should make all the supporting systems ready to use.
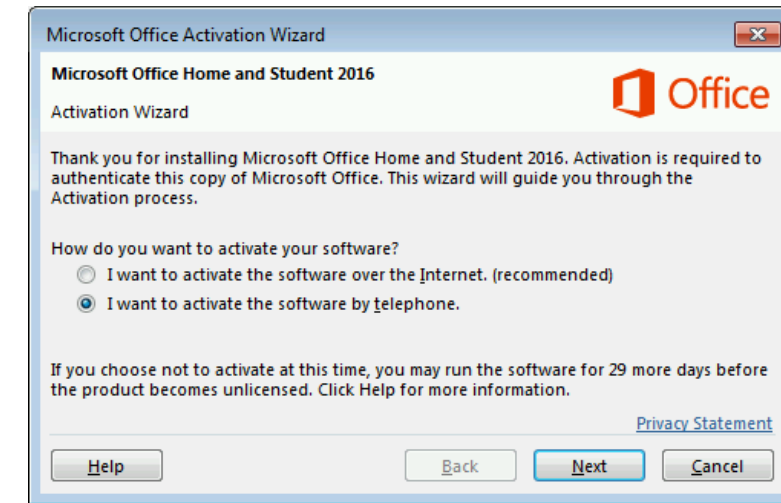
" In larger software deployments, the working copy of the software might be installed on a production server in a production environment. Other versions of the deployed software may be installed in a test environment, development environment and disaster recovery environment.
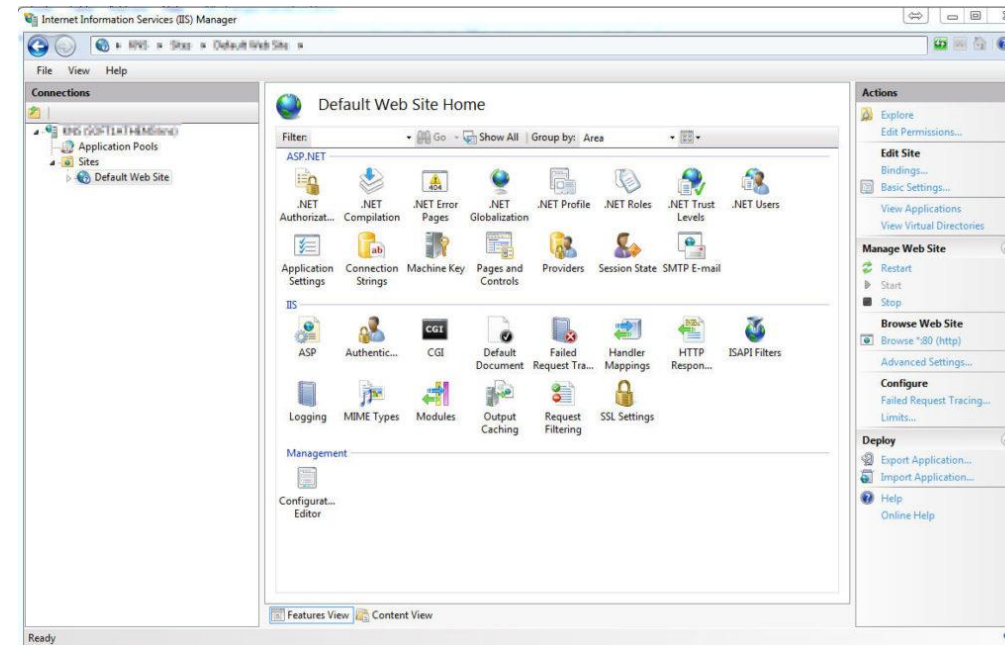
Deactivate
Deactivation is the inverse of activation, and refers to shutting down any executing components of a system. Deactivation is often required to perform other deployment activities, e.g., a software system may need to be deactivated before an update can be performed. The practice of removing infrequently used or obsolete systems from service is often referred to as application retirement or application decommissioning.
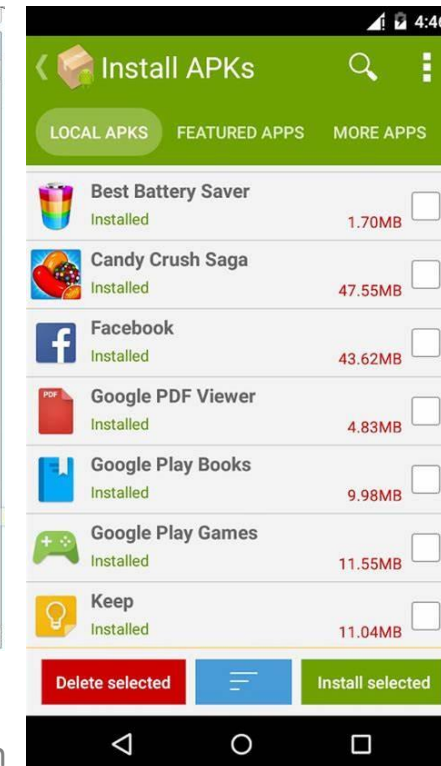

PC Software Installation

PC Software Activation

Web-based Software Installation

Cellphone Software Installation

Adapt

The adaptation activity is also a process to modify a software system that has been previously installed. It differs from updating in that adaptations are initiated by local events such as changing the environment of customer site, while updating is mostly started from remote software producer.
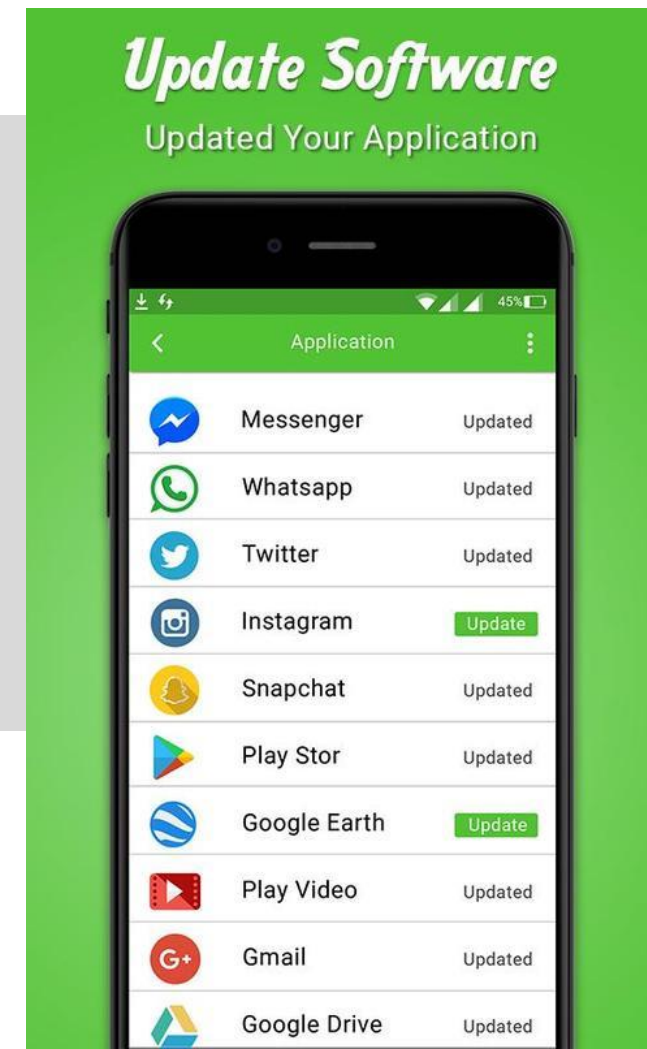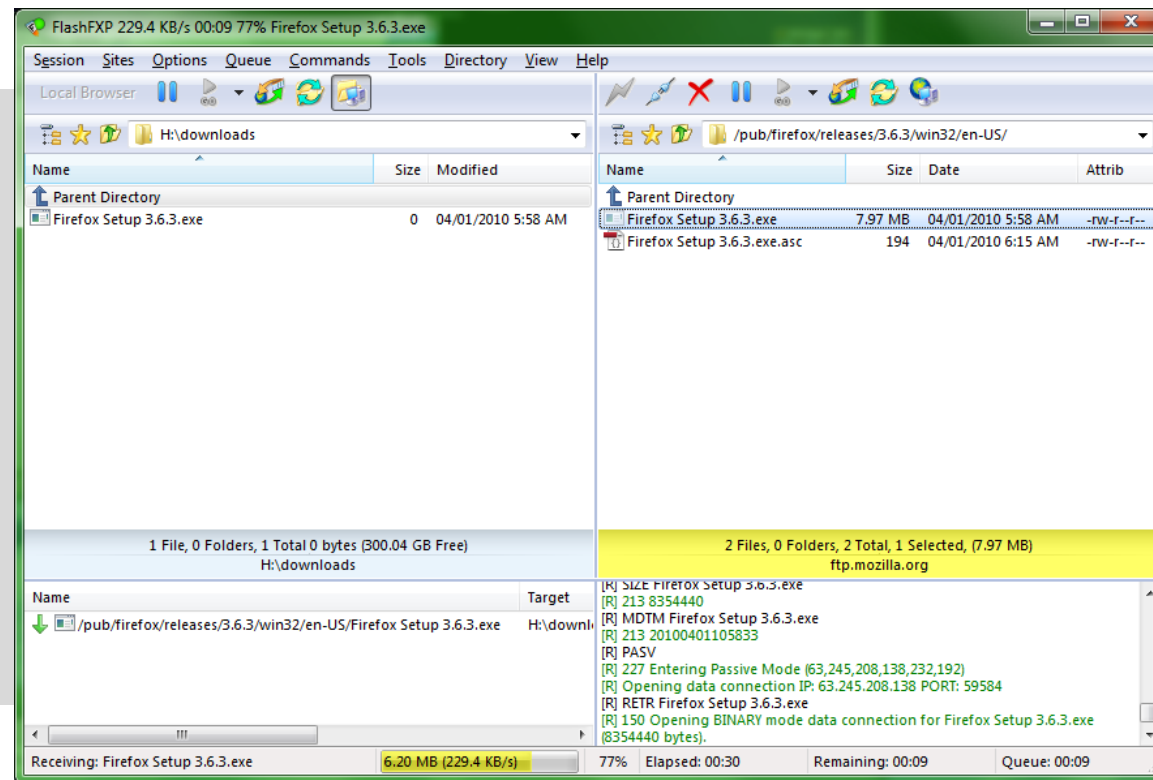
Update

The update process replaces an earlier version of all or part of a software system with a newer release.

Built-in

Mechanisms for installing updates are built into some software systems. Automation of these update processes ranges from fully automatic to user initiated and controlled.

Windows Update

Updates available
Last checked: Today, 1:36 PM

Windows 10 Insider Preview 17754.1 (rs5_release)
Status: Installing - 73%

Change active hours

View update history

Advanced options

Looking for info on the latest updates?
Learn more
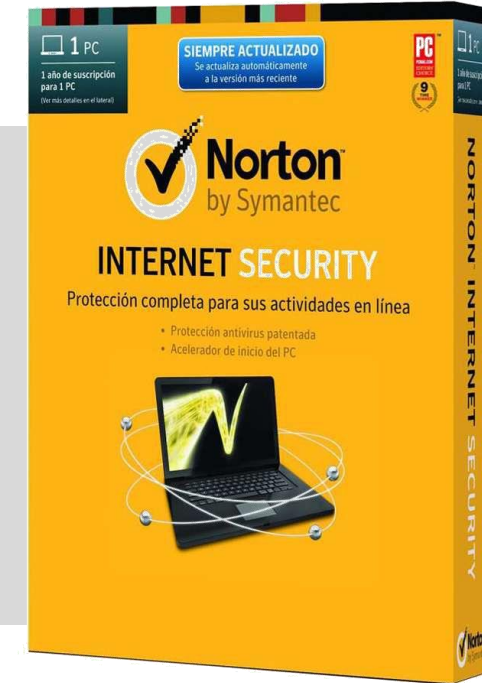
Related links
Check Storage

OS build info

Have a question?
Get help

" Norton Internet Security is an example of a system with a semi-automatic method for retrieving and installing updates to both the antivirus definitions and other components of the system. Other software products provide query mechanisms for determining when updates are available.
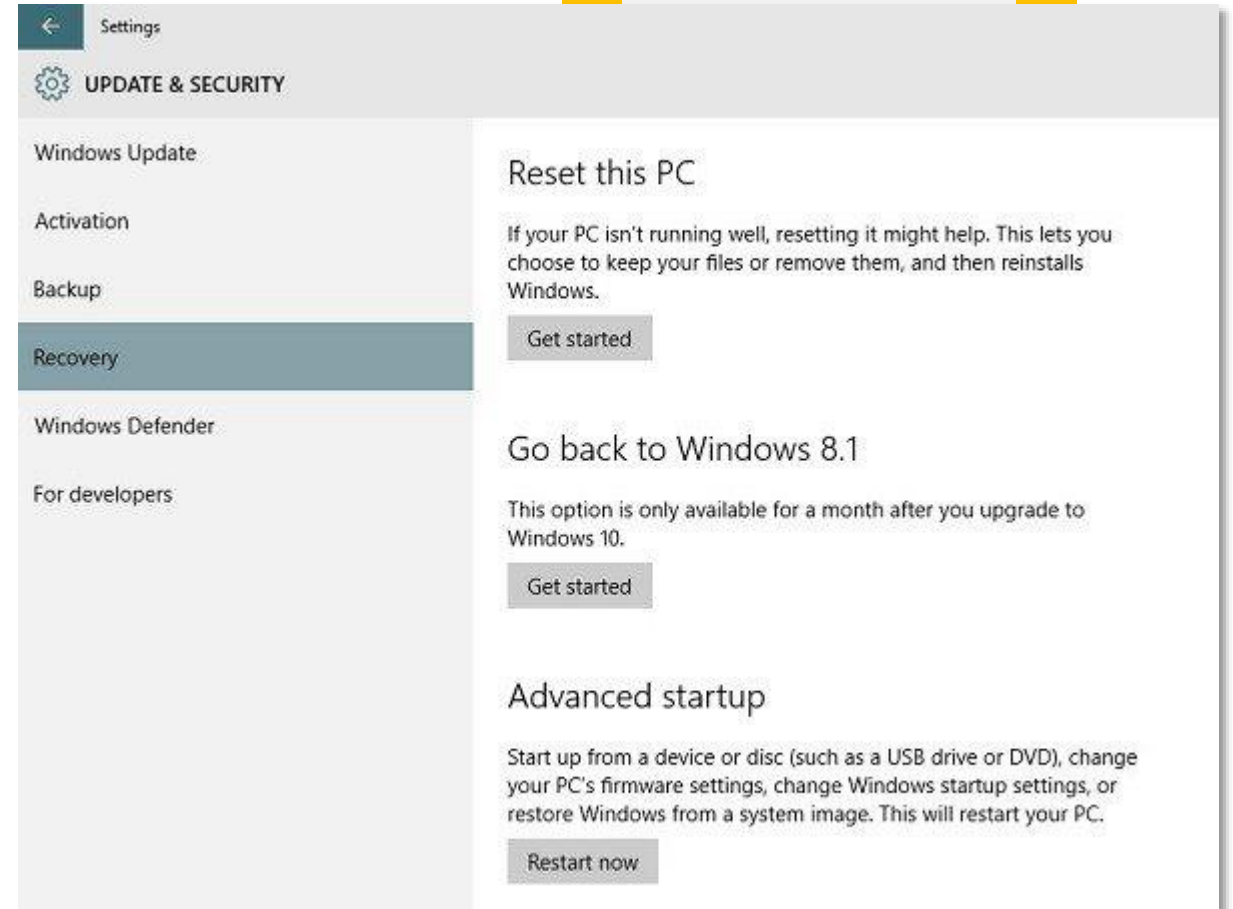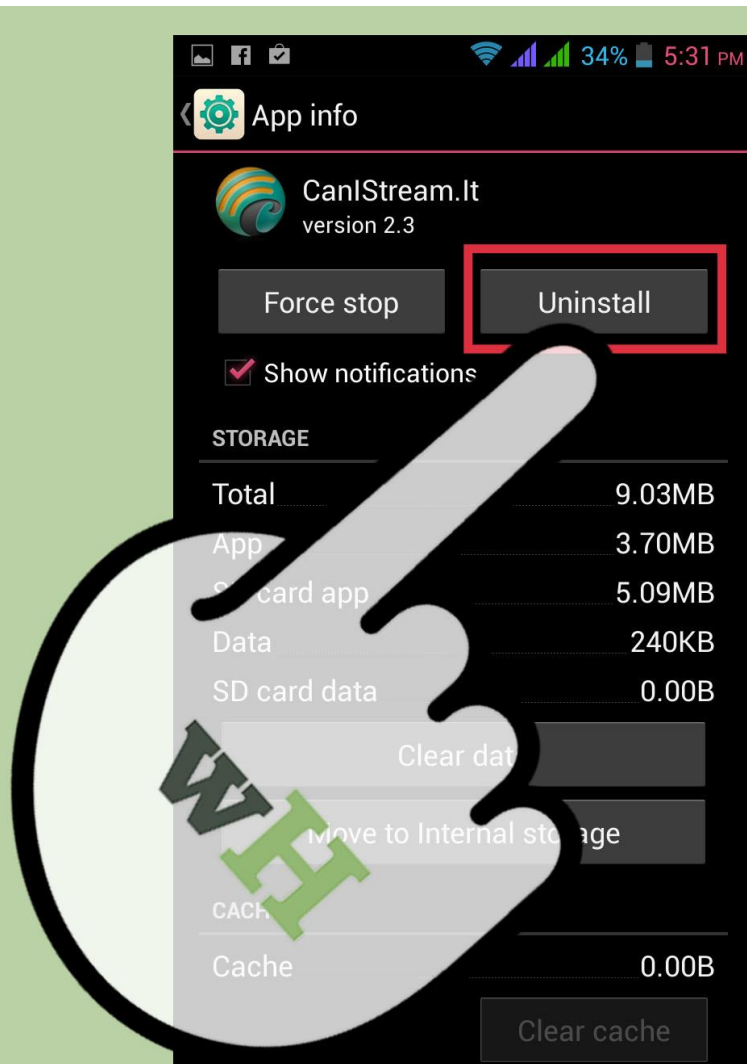
Version control

Version tracking

Version tracking systems help the user find and install updates to software systems installed on PCs and local networks.

Rollback

Rollback is sometimes also called as "downgrade". It allows user to change the software to an earlier version, if the user has backed up the data and cleaned the current installation.
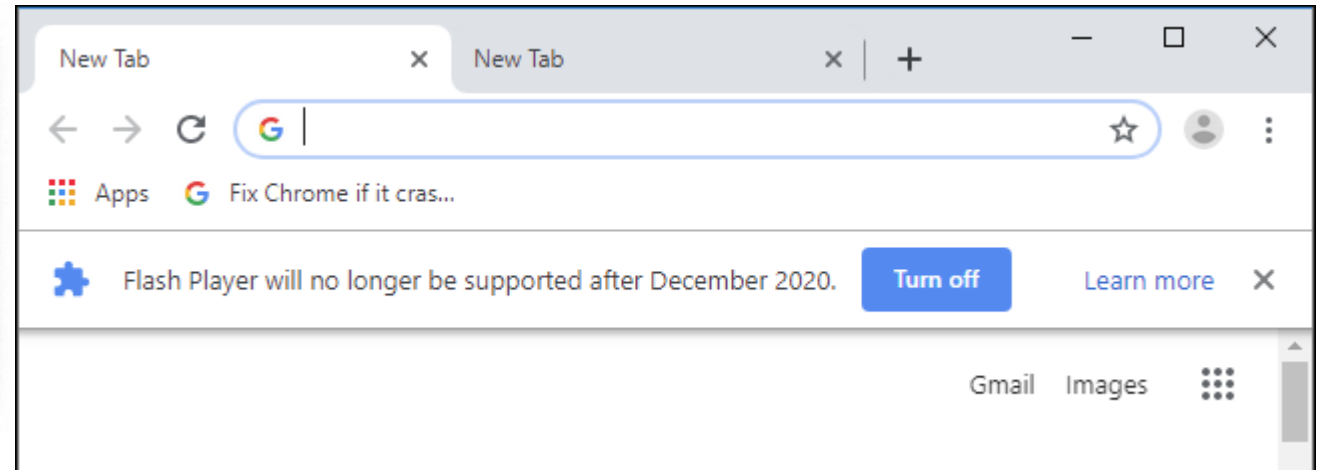
Uninstall / Delete / Remove

Retire

Ultimately, a software system is marked as obsolete and support by the producers is withdrawn. It is the end of the life cycle of a software product.

New Tab   ×   New Tab   ×   +

Apps   Fix Chrome if it cras...

Flash Player will no longer be supported after December 2020.   **Turn off**   Learn more   ×

Gmail   Images

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Docs / Announcements / 2019 / Adobe Flash end of support on December 31, 2020

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Filter by title

Windows Server, version 1803 end of servicing on November 12, 2019

Silverlight end of support on October 12, 2021

Skype for Business Online retirement on July 31, 2021

Adobe Flash end of support on December 31, 2020

Windows Analytics retirement on January 31, 2020

Microsoft Desktop Optimization Pack (MDOP) support extended

Exchange Server 2010 support extended

Exchange Online deprecating Basic Authentication

Office Apps for Windows 10 mobile: End of support for Windows Phones

> 2018

> Prior Announcements

> Product End of Support

Adobe Flash end of support on December 31, 2020

09/12/2019 • 2 minutes to read •

Originally published: September 9, 2019

Please go here to search for your product's lifecycle.

Adobe will end support of Flash Player on December 31, 2020. Here's what you can expect in the meantime for each Microsoft browser:

In the next version of Microsoft Edge (built on Chromium), Flash will be disabled by default. However, users may re-enable it on a site-by-site basis. The timeline for Chromium-based browsers can be found here.

Flash will *not* be disabled by default from Microsoft Edge (built on EdgeHTML) or Internet Explorer 11 prior to its removal by December of 2020.

Flash will be completely removed from all browsers by December 31, 2020, via Windows Update. Group policies are available for enterprise admins and IT pros to change the Flash behavior prior to that date.

Companies reliant on Flash for development and playback of content are encouraged to remove the dependency on Adobe Flash prior to December 2020.

Please see our blog for more information.

Is this page helpful?

👍 Yes   👎 No

Multiple version release

金山词霸

多端数据云端同步，支持多个设备
拍照语音翻译，支持英法日等7国语音

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PC版个人版下载
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Johnson Space Center

Welcome to JSC

The Technology Transfer Office at Johnson Space Center (JSC) ensures that innovations developed for aeronautics and space exploration are made broadly available to the public — boosting the U.S. economy and maximizing the return on the nation's investment in NASA.

Johnson Space Center (JSC)
- General Public Release
- Open Source Release
- US and Foreign Release
- US Release Only
- US Government Purpose Release

https://www.nasa.gov/centers/johnson/techtransfer/technology/software-release.html

Continuous delivery

product is developed in the open, with new features slipstreamed in on a monthly, weekly, or even daily basis

- Users must be treated as co-developers.

- release early and release often

- the perpetual beta

Oct. 2009: Tim O'Reilly and John Battelle answer the question of "What's next for Web 2.0?"
in [Web Squared: Web 2.0 Five Years On](https://www.oreilly.com/pub/a/web2/archive/what-is-web-20.html?page=4).
https://www.oreilly.com/pub/a/web2/archive/what-is-web-20.html?page=4

Non-technical work in software release

- User Training

- 80%-90% Payment

- Press/Summary Conference

- Propaganda

GB/T 8567

1988

- 用户手册
- 操作手册（Update）
- 总结报告

2006

- 项目开发总结报告(PDSR)
- 软件产品规格说明(SPS)
- 软件版本说明(SVD)
- 软件用户手册(SUM)
- 计算机操作手册(COM)
- 计算机编程手册(CPM)

New Media Product Design and Development

THANK YOU

Lecture 6-1. The End

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