



# *Apache* *Licensing*

Version 2.0

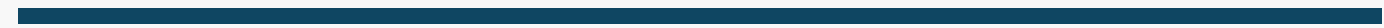
January 2004





*WHAT IS*

*APACHE*





# *Introduction*

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## *WHAT IS Apache License 2.0*

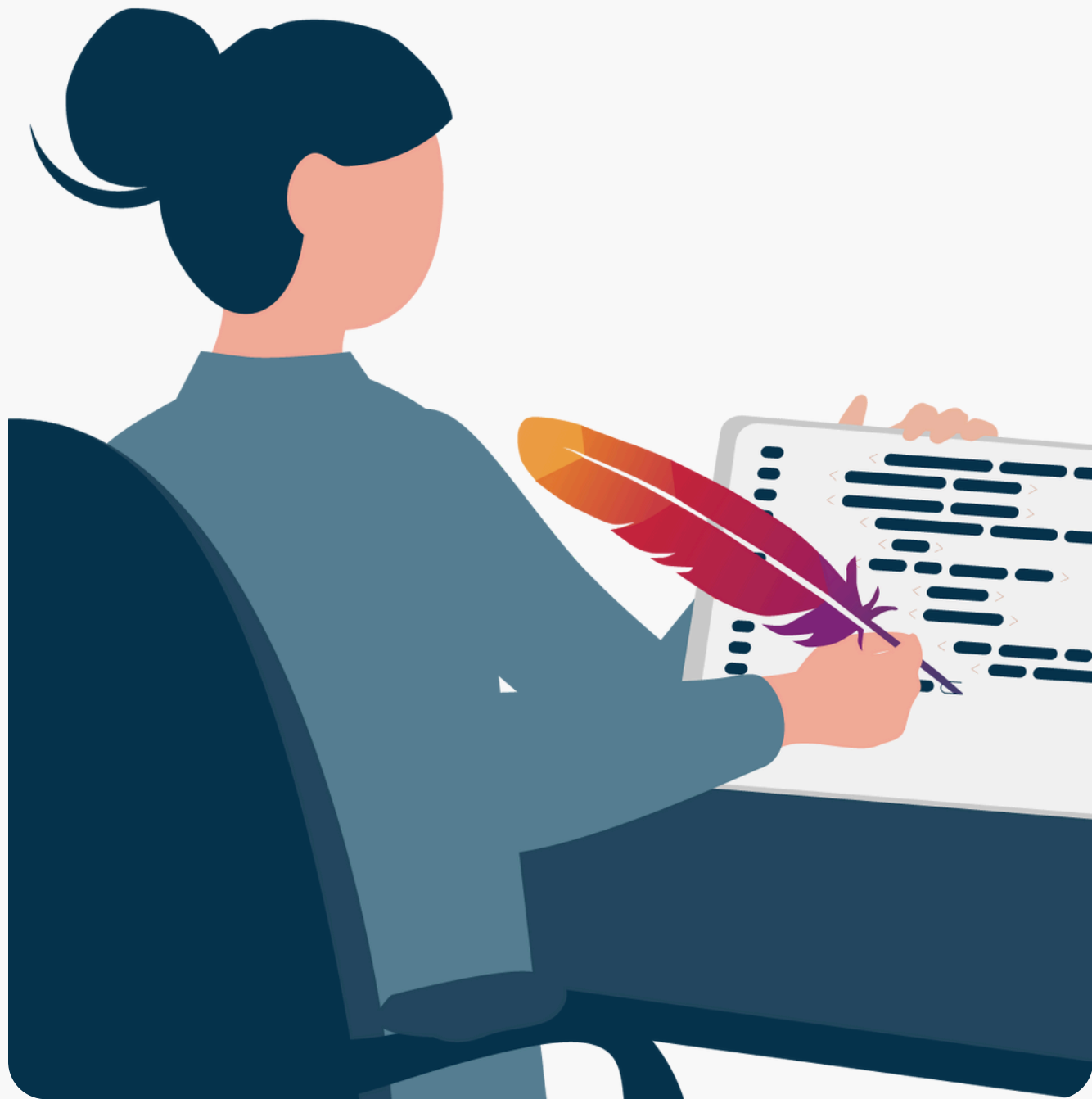
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# *History*

## *Of Apache License 2.0*



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- The **Apache Software Foundation (ASF)** is a non-profit organization founded in **1999** to support open-source software projects.
  - ASF created the Apache License to allow flexible and collaborative use of its software.
  - The original license (**Version 1.1**) had some legal ambiguities. To improve clarity, international compatibility, and include patent rights, **Version 2.0** was released in January **2004**.
  - Since then, **Apache License 2.0** has become one of the most widely used permissive licenses in open-source development, adopted by companies like Google, Meta, and Amazon.

# *Description Of* **APACHE**



## **FREE TO USE**

The Apache License 2.0 is a free, open-source, permissive software license. It allows anyone to use, modify, distribute, and sublicense the software, even in commercial or proprietary projects.

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It includes explicit patent grants, which means contributors can't later sue users for patent infringement based on their contributions.

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The license imposes lightweight obligations: attribution, license inclusion, and marking modifications.

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It does not force you to open-source your own code (non-viral), which makes it friendly for businesses.

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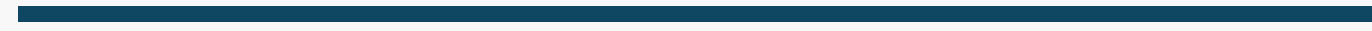


# Version



- Official Name: **Apache License, Version 2.0**
- Released: January 2004
- Maintained by: **Apache** Software Foundation
- Full Text: **FREE TO USE**
- Replaces: Apache License Version 1.1
- Key Improvement: Adds global compatibility, patent protection, and clarified terms.

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*How to use*

*Apache License*



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# *How to Use the **Apache** License (as a Developer/Licenser)*

1. **Include the License File:** You must include a copy of the Apache License 2.0 text in your project's main directory, often in a file named LICENSE or LICENSE.txt. This tells everyone the terms under which your software is offered.
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# *Is **APACHE** A Copy-left?*

- **NO** Apache License is not copy-left.
- It is non-viral, meaning:
  - You are **not required to open-source** your own code.
  - You can **use it in closed-source** or commercial applications.



# How Is *Apache* Different from *GPL* or *MIT*?

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FEATURE	APACHE 2.0	GPL (V3)	MIT LICENSE
Use in Commercial Software	✓ Allowed	✓ Allowed	✓ Allowed
Must Release Source Code?	✗ No (non-viral)	✓ Yes (viral license)	✗ No
Patent Protection?	✓ Yes	✓ Yes	✗ No
Notice/Attribution Required?	✓ Yes	✓ Yes	✓ Yes

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*Example of*

*APACHE*

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# *How Netflix Uses* *Apache License 2.0 Software*

## Apache Kafka kafka

Netflix uses Apache Kafka to manage real-time data such as playback, user behavior, and recommendations. The Apache License allows Netflix to freely modify and scale Kafka within their private systems without being required to share those internal changes.

## Apache Tomcat

Apache Tomcat, under the Apache 2.0 license, is used by Netflix in legacy Java microservices to serve internal APIs and admin tools. The license allows them to embed, customize, and deploy Tomcat within their private systems without releasing their modifications.

## Apache Hadoop and Apache Pig

are used by Netflix for big data analytics, handling massive volumes of viewership data and logs. Pig is used for batch processing and ETL tasks. The Apache License allows Netflix to customize and extend these tools without having to share proprietary business logic or internal code.



# *Other Examples of Softwares Using*

## *Apache License*

### Web & Cloud Infrastructure :

1. **Apache HTTP Server (httpd):** The Apache web server itself is licensed under the Apache License. It powered a massive portion of the internet for decades and is still widely used.
2. **Apache Flink:** Another powerful stream processing framework, often used for real-time analytics.

### Development Tools & Languages :

1. **Android (Core Components & SDK Documentation):** A significant portion of the Android Open Source Project (AOSP) and its documentation is licensed under Apache License 2.0.
2. **Kotlin:** The officially preferred language for Android app development, its compiler and standard library are Apache-licensed.

### Data & Analytics :

1. **Apache Hive:** A data warehouse software project built on top of Hadoop for querying and managing large datasets.
2. **Apache Superset:** A modern, open-source data exploration and visualization platform. Makes pretty dashboards!

### Others :

1. **IntelliJ IDEA Community Edition:** The community version of this very popular Java IDE (Integrated Development Environment) is Apache-licensed.
2. **PyCharm Community Edition:** Similar to IntelliJ, the community version of this Python IDE from JetBrains is also Apache-licensed.

# *Conclusion*



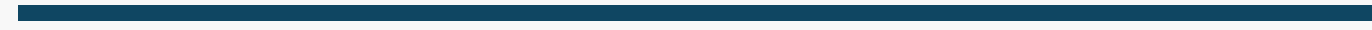
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The Apache License 2.0 allows open use, modification, and distribution—even in commercial projects—without forcing you to share your code. It balances freedom with legal protection, making it ideal for real-world use by companies like Netflix and Google.

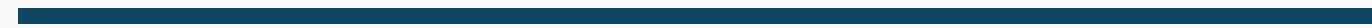
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*Thank you*



# *GROUP MEMBER*



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