

# JD+ underlying changes

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**Huge changes in 2 key  
components of JD+**

-> Java & NetBeans <-

# Java SE

-> language & runtime <-

## Java SE

# Release cycle

- **Old** release cycle
  - Major release every 2 years
- **New** release cycle
  - Major release every 6 months (features)
  - Update release every quarter (bugs)
  - Long-term support (LTS) release every 3 years

## Java SE Release cycle

- Consequences for JD+ v2
  - Currently works with Java 8  
but is incompatible with Java 11+
  - Difficult to keep up with every Java releases
  - Java 8 **public support** from Oracle will end in  
**January 2019** for commercial use  
**December 2020** for personal desktop use
- Consequences for JD+ v3
  - Will target **only Java LTS** (i.e. 11)

## Java SE Licensing model

- New licensing model from Oracle is confusing!
- Java is still free
- Two kind of distribution:
  - **Commercial** such as OracleJDK
  - **Free** such as OpenJDK

## Java SE Licensing model

- Consequences for JD+ v2 & v3
  - Put useless burden on users
  - Where-to-download-java & how-to-install-java might become more difficult to document and explain
  - Commercial distribution might impose usage fees even if freely downloadable

## NetBeans IDE/platform

-> dev tool & application framework <-

## NetBeans IDE/platform Ownership change

- **Old owner**
  - Oracle Corporation
  - Mix of open and close source
- **New owner**
  - Apache Software Foundation (non-profit organization)
  - Fully open source

## NetBeans IDE/platform Ownership change

- **Consequences for JD+ v2**
  - Limited since v2 relies on pre-change technologies
  - Prevents fix of Java9+ issues
- **Consequences for JD+ v3**
  - Slow transfer of ownership, scarce documentation and missing components => **difficult to schedule development**

## Java & NetBeans Conclusion

- Lot of work-in-progress
- Difficult to plan on it
- But these changes should result in a better situation
  
- Java changes will require some investigation in your institution (update policy & licenses)

EARLY ACCESS



[github.com/jdemetra/jdemetra-](https://github.com/jdemetra/jdemetra-)\*

*Branch v3.0.0*