

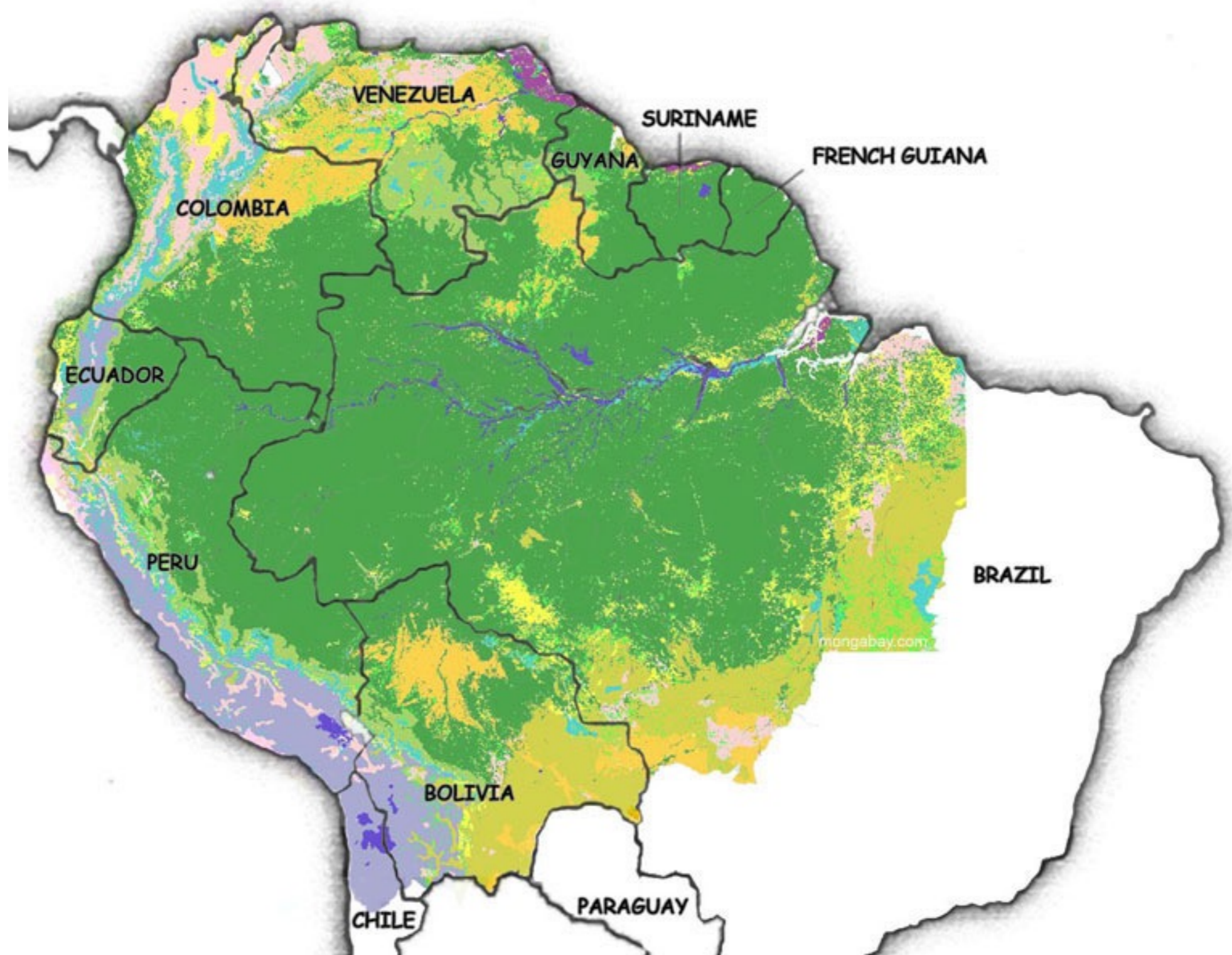


# Das Java Ökosystem





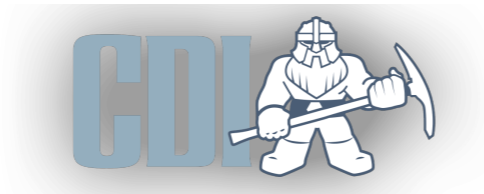
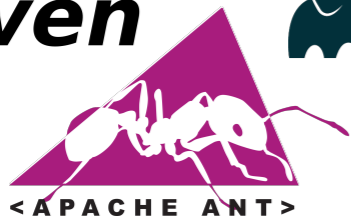
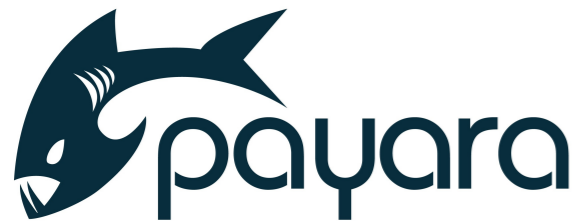




- Lowland moist forest
- Mangrove and coastal swamp forest
- Sub-montane forest
- Montane forest
- Fragmented forest
- Converted forest
  
- Inland water
- No data

- Savannah woodlands
- Grasslands
- Subdesertic vegetation
- Montane mosaics
- Seasonally flooded grasslands
- Agricultural mosaics
- Subdesertic vegetation

Based on the Vegetation Map of Tropical South America, H.D. Eva et al. (1999) TREES Publications Series, European Commission, with modifications by Rhett A. Butler / mongabay.com



Java Persistence API



HIBERNATE

# JPA

Java Persistence API

**JPA 2.1 (JSR-338)**

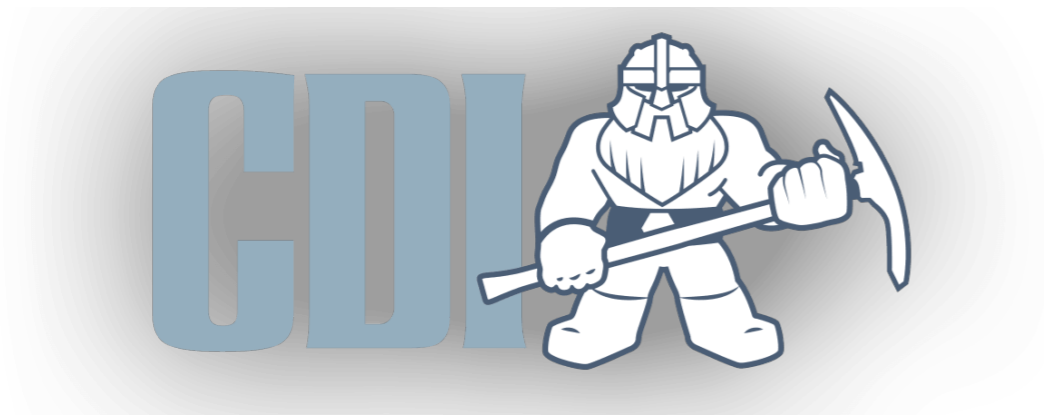
**eclipse)link**

**Referenzimplementierung**



**weitere Implementierungen**





**CDI 1.1 (JSR-346)**



**Referenzimplementierung**



**weitere Implementierungen**

# Versionsverwaltung **git**



Marktführer



zum selber hosten

# IDE



Visual Studio Code







WebStorm



PhpStorm



IntelliJ IDEA  
Ultimate



PyCharm




Android Studio




RubyMine

# Subscription options & Pricing

 For Organizations

 For Individual Use

 Special Offers

Yearly billing *save 2 months*

Monthly billing

## IntelliJ IDEA Ultimate

The Leading Java and Kotlin IDE

 IntelliJ IDEA

first year

**€169.00**

incl. VAT €202.80

second year

€135.00

incl. VAT €162.00

third year onwards

€101.00

incl. VAT €121.20

Buy

Get quote →

Best offer

## All Products Pack

Get 10 IDEs, 3 extensions, 2 profilers, and a collaborative development service – all in one subscription.

► Includes 16 tools

first year

**€289.00**

incl. VAT €346.80

second year

€231.00

incl. VAT €277.20

third year onwards

€173.00

incl. VAT €207.60

Buy

Get quote →

Learn more →

173 € /  
Jahr



## For students and teachers **FREE**

Students and academic staff members are eligible to use all JetBrains tools free, upon verification of their university/college domain email or ISIC card.

[Learn more](#)

## For universities and educational organizations **50% off**

Universities and accredited educational institutions can take advantage of our 50% discount on commercial subscriptions for development of internal projects and applications. Please contact sales to request a quote.

[Learn more](#)

## For former student license holders

**40% off**

Student license holders can get a 40% Graduation discount, which can be used towards the purchase of a new personal subscription for any single JetBrains product or for the All Products pack. The same 40% Graduation discount is offered to students of coding bootcamps and training courses who have used free coupon codes during their training.

[Learn more](#)

## For user groups **FREE**

Organizers of active user groups can get free licenses for JetBrains products to raffle off at regular user group meetings and community events.

[Learn more](#)

## For classroom assistance **FREE**

Universities, colleges, schools, and non-commercial educational organizations are eligible for free licensing to install all JetBrains tools in classrooms and computer labs for educational purposes.

[Learn more](#)

## For startups **50% off**

Private software development companies which have been in business for less than 5 years may qualify for a 50% discount for up to 10 commercial licenses on any JetBrains products.

[Learn more](#)

## For Developer Recognition Program

**FREE**

Active Microsoft Most Valuable Professionals, ASPInsiders, Java Champions, Docker Captains, Gradle Fellows, Google Developers Experts, and Embarcadero Most Valuable Professionals are eligible to receive a free subscription to JetBrains All Products Pack upon verification of their profile.

[Learn more](#)

## For competitive tools users **25% off**

Owners of other commercial tools competitive to IntelliJ IDEA Ultimate qualify for a 25% OFF towards standard commercial or personal subscription for IntelliJ IDEA Ultimate.

[Learn more](#)

## For Open Source projects **FREE**

Non-commercial open source projects can qualify for free licenses to all JetBrains tools if they meet the support program requirements.

[Learn more](#)

## For training courses, coding schools, and bootcamps **FREE**

Commercial training companies and coding bootcamps can request 100% discount coupons for their students that allow using any single JetBrains tool free for the duration of the course (up to 6 months).

[Learn more](#)

## For non-profit organizations **50% off**

Registered non-profit organizations can apply for a special discount ranging from 25% to 50% off commercial pricing, depending on their business model. Please contact sales to request a quote.

[Learn more](#)

# The rise of microprofile runtimes



# QUARKUS







Noch  
Fragen?