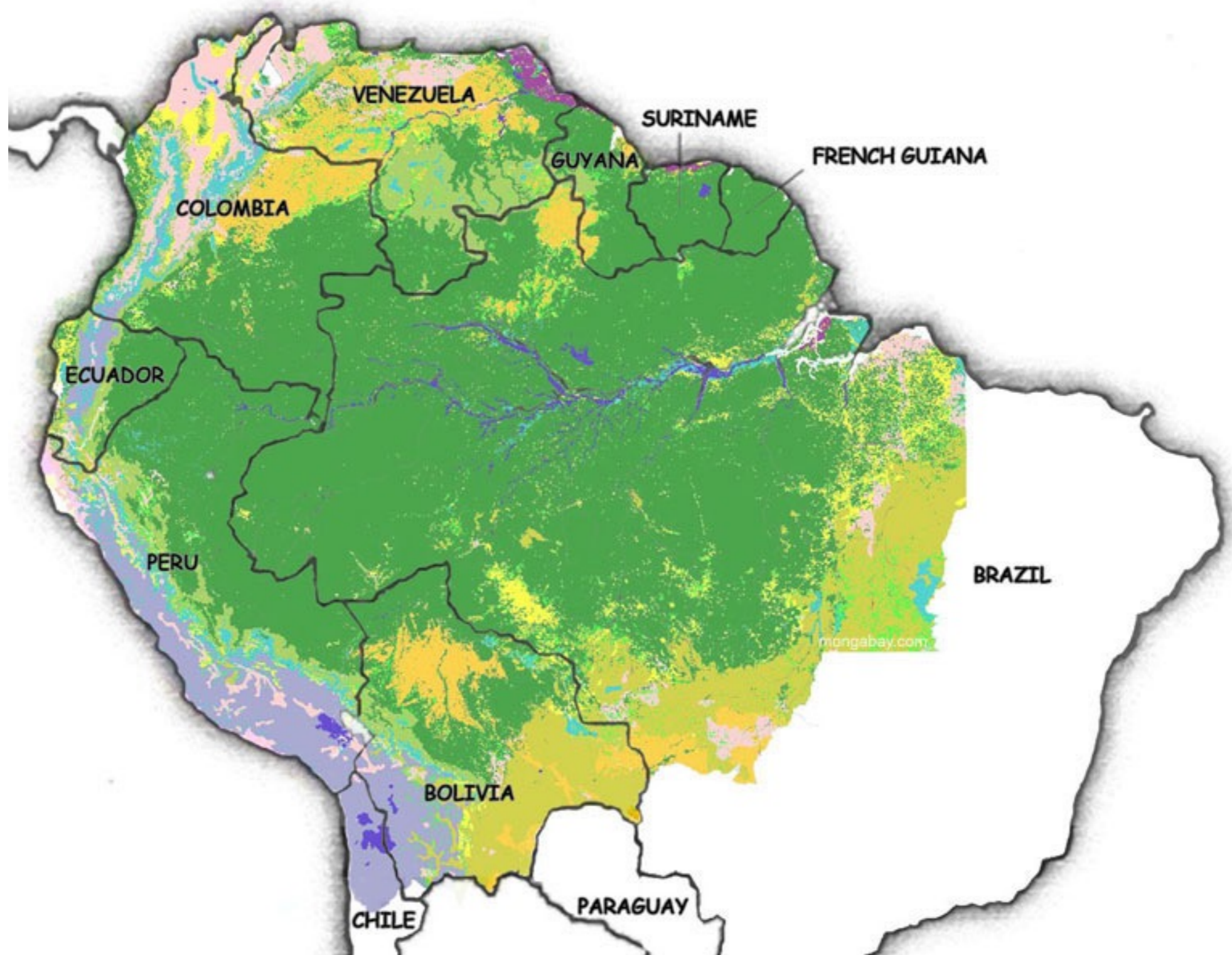




# Das Java Ökosystem

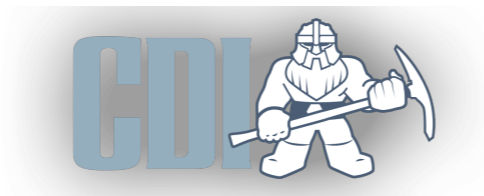
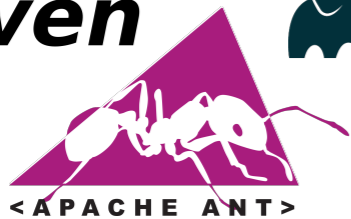
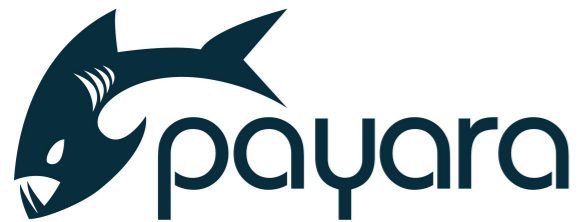




- Lowland moist forest
- Mangrove and coastal swamp forest
- Sub-montane forest
- Montane forest
- Fragmented forest
- Converted forest
  
- Inland water
- No data

- 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



# JPA

Java Persistence API

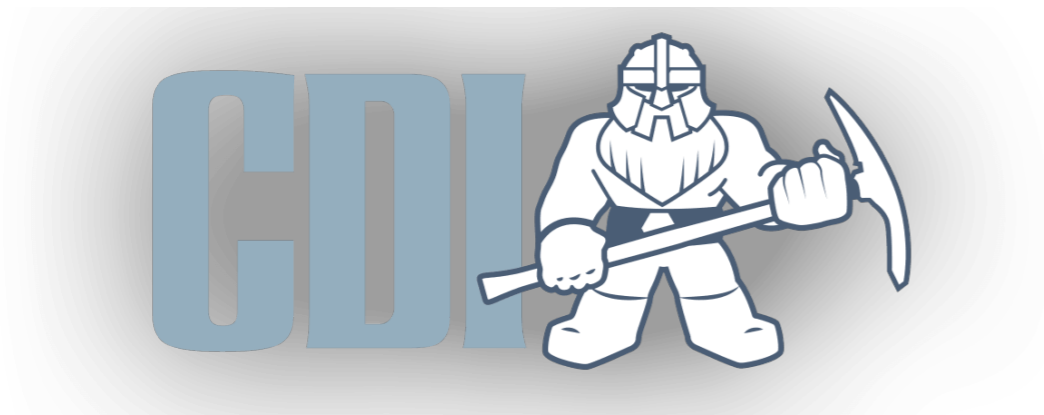
**JPA 2.1 (JSR-338)**

**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

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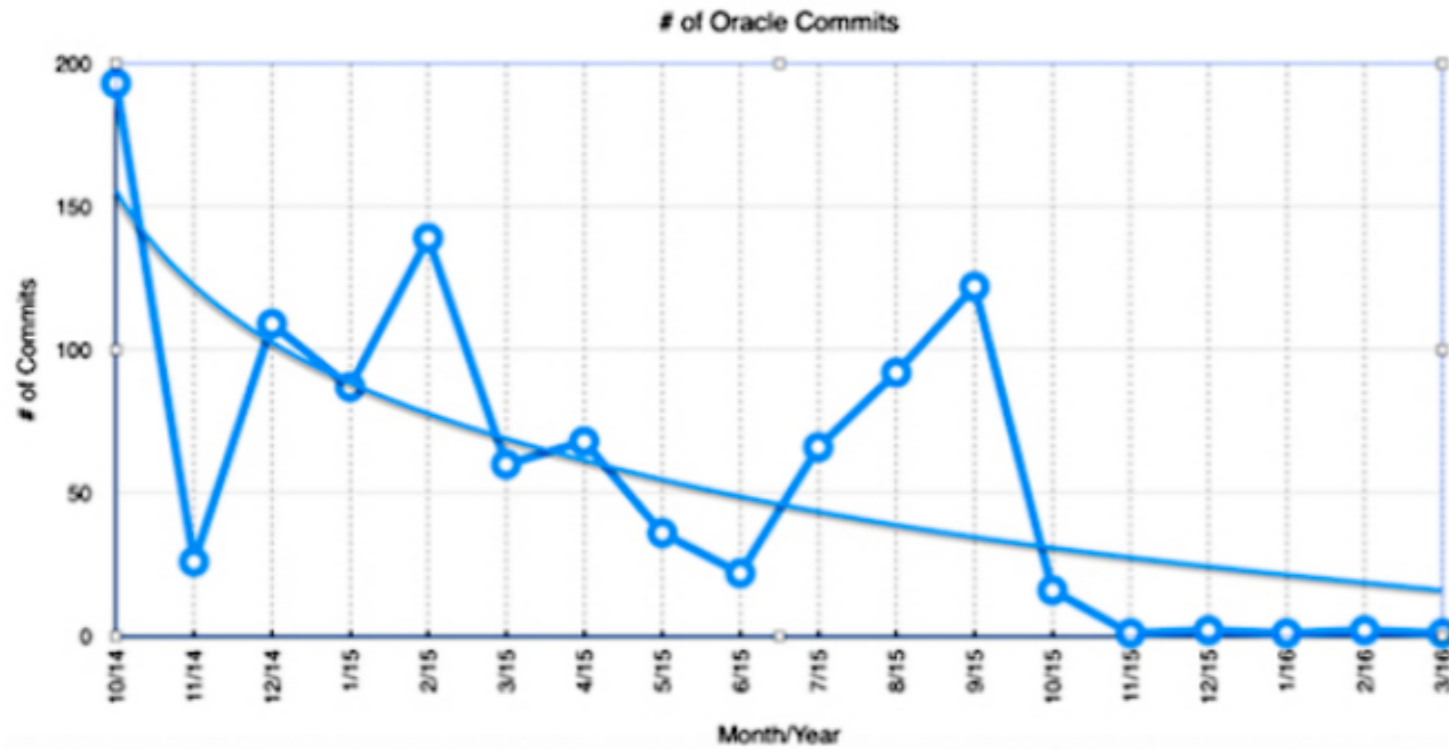
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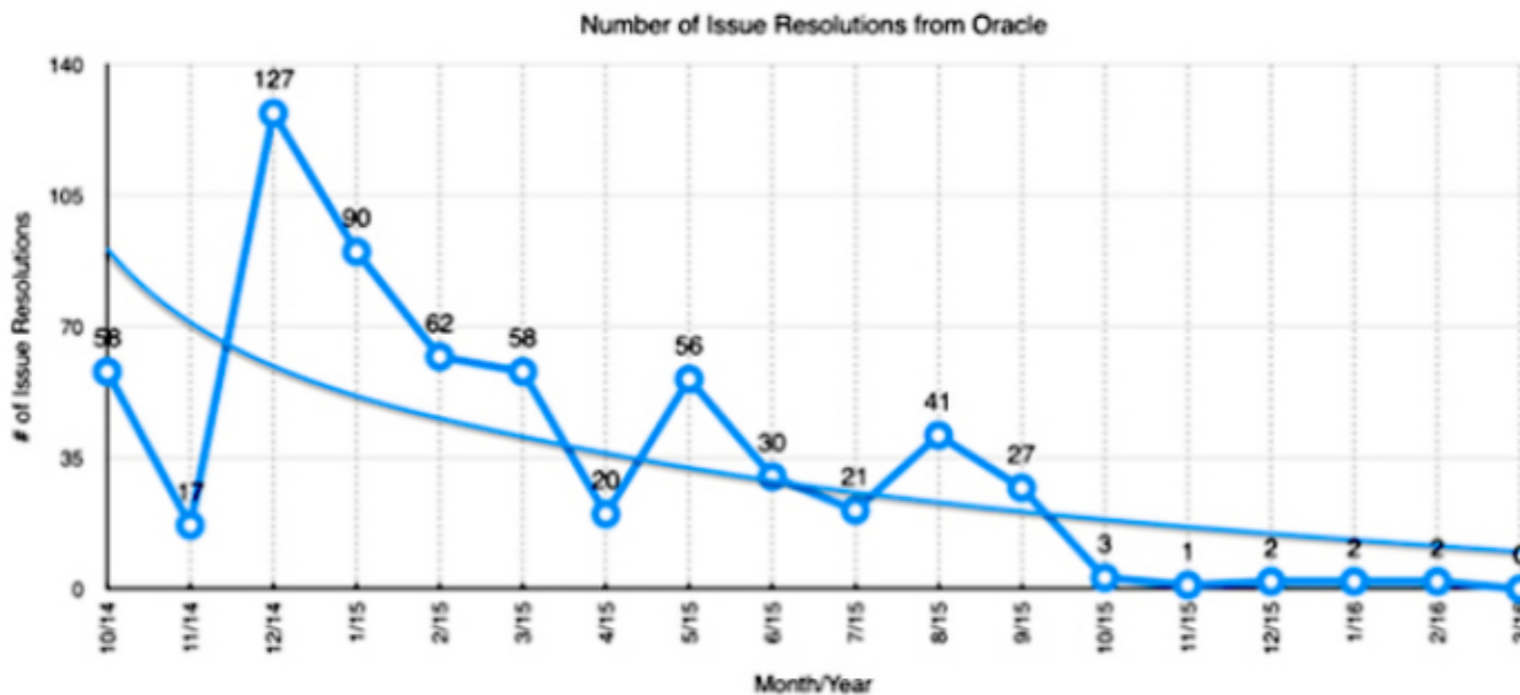
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# Lack of Java EE 8 Progress



# 2015/16





**Adam Bien**  
@AdamBien



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### Substantive



▶ gist

▶ die Kernaussage



▶ gist

▶ die Quintessenz Pl.: die Quintessenzen



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▶ gist

▶ der Hauptpunkt Pl.: die Hauptpunkte



▶ gist

▶ das Wesentliche kein Pl.

# The rise of microprofile runtimes



Open  
Liberty



# QUARKUS





Noch  
Fragen?