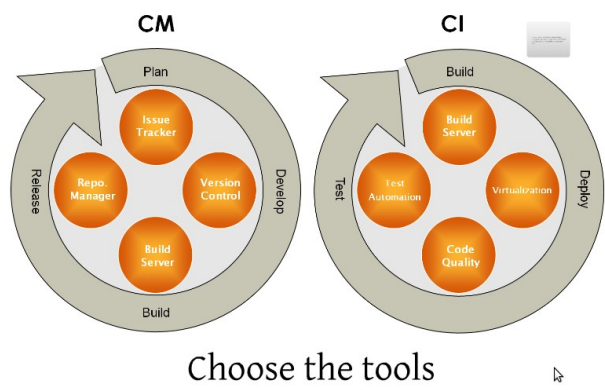


# Application **L**ife-cycle **M**anagement using open source tools

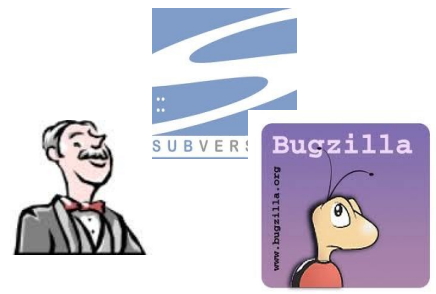
Miron Gofer - Tikal knowladge

# I want to talk about:

## ALM



## Open source ALM tools



## Open source ALM concepts

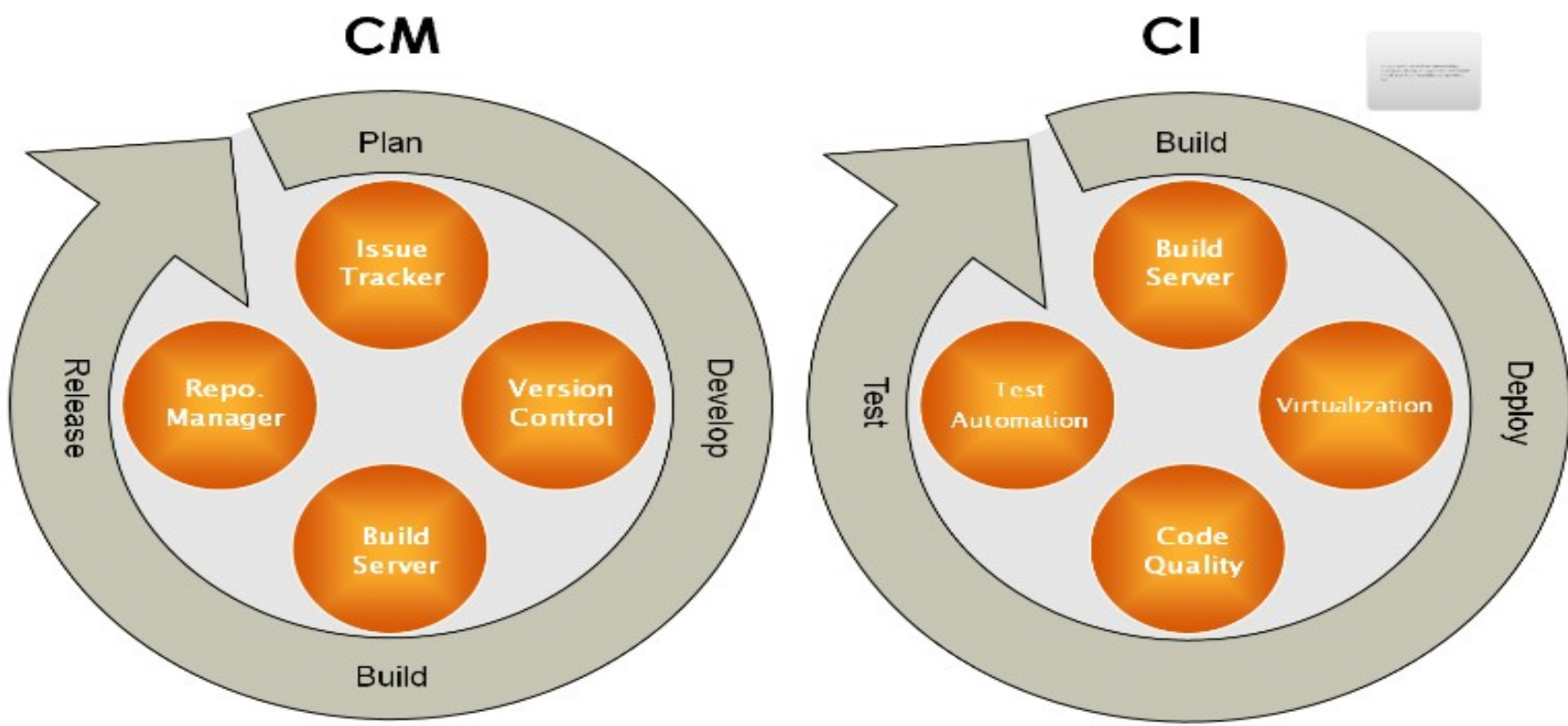


# What is ALM?



Application Lifecycle Management (ALM) Is a continuous process of managing the life of an application through governance, development and maintenance. **ALM is the marriage of business management to software engineering made possible by tools** that facilitate and integrate requirements management, architecture, coding, testing, tracking, and release management

# Development process and ALM tools

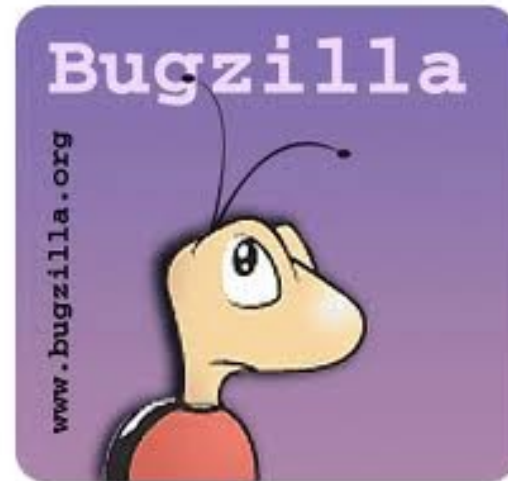


Choose the tools



# Open source tools in the ALM domain (name dropping)

## *Issue trackers:*



# Name dropping cont...

*Build managers \ schedulers:*



# Name dropping cont...

*Source control:*



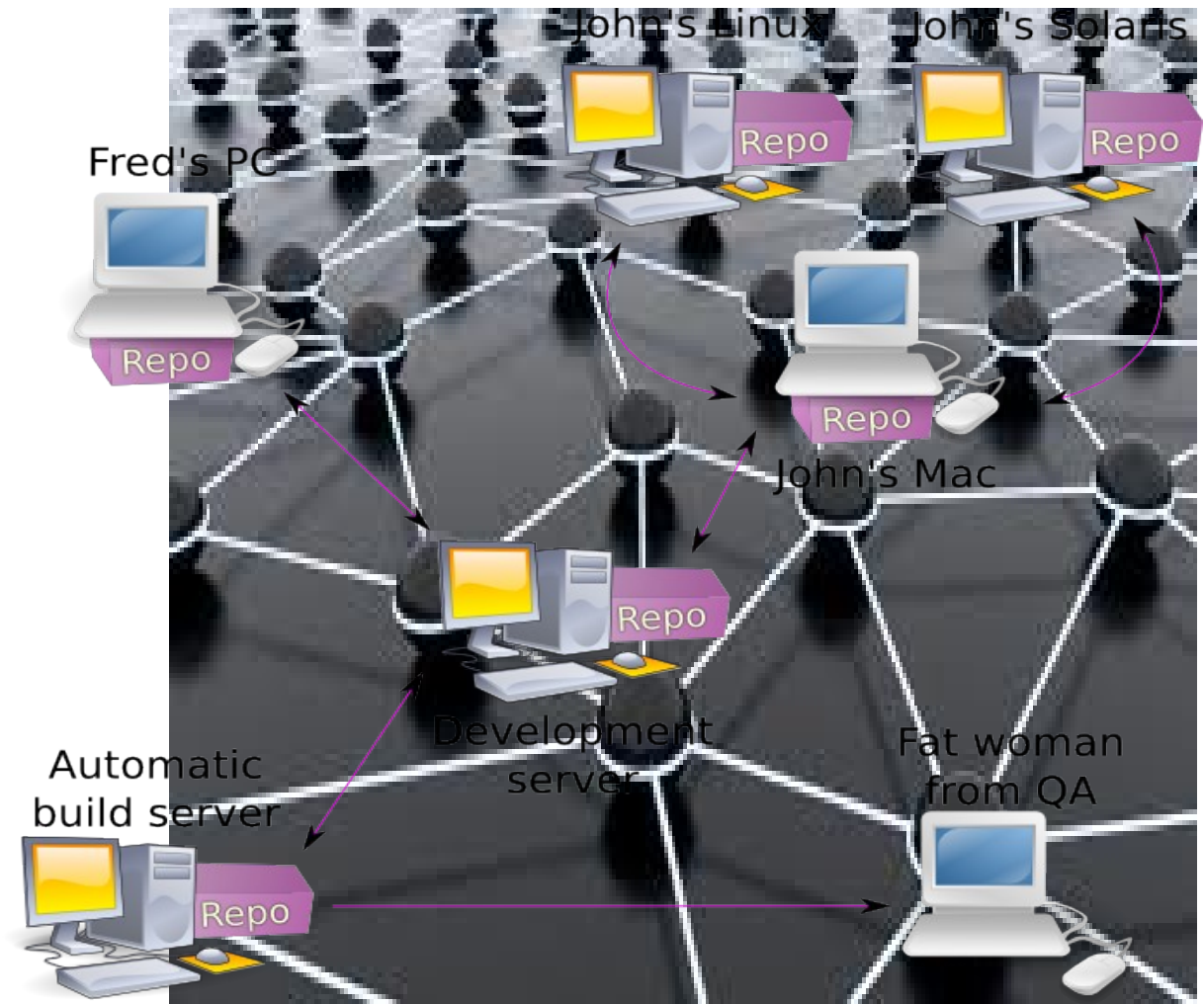
Bazaar





# DVCS Overview

**D**istributed  
**V**ersion  
**C**ontrol  
**S**ystem





# GIT and DVCS takes over the community



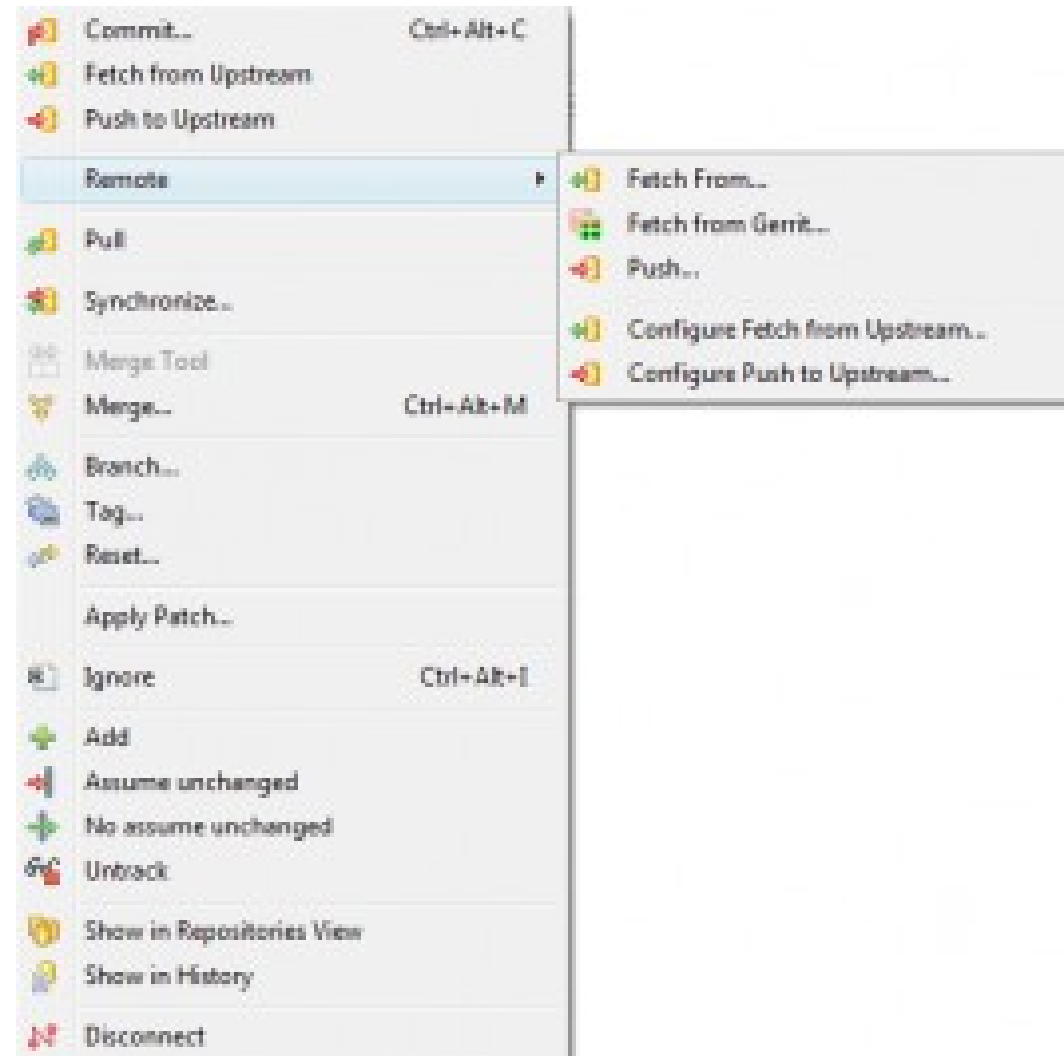
# Open your mind to new approach

- From source control tool to collaboration tool.
- TIMTOWTDE
- “With grate power comes grate responsibility”



# Basic GIT work cycle

- Clone an existing repo.
- Checkout a branch
- Fork a private branch
- Code
- Pull
- Merge the private branch
- push



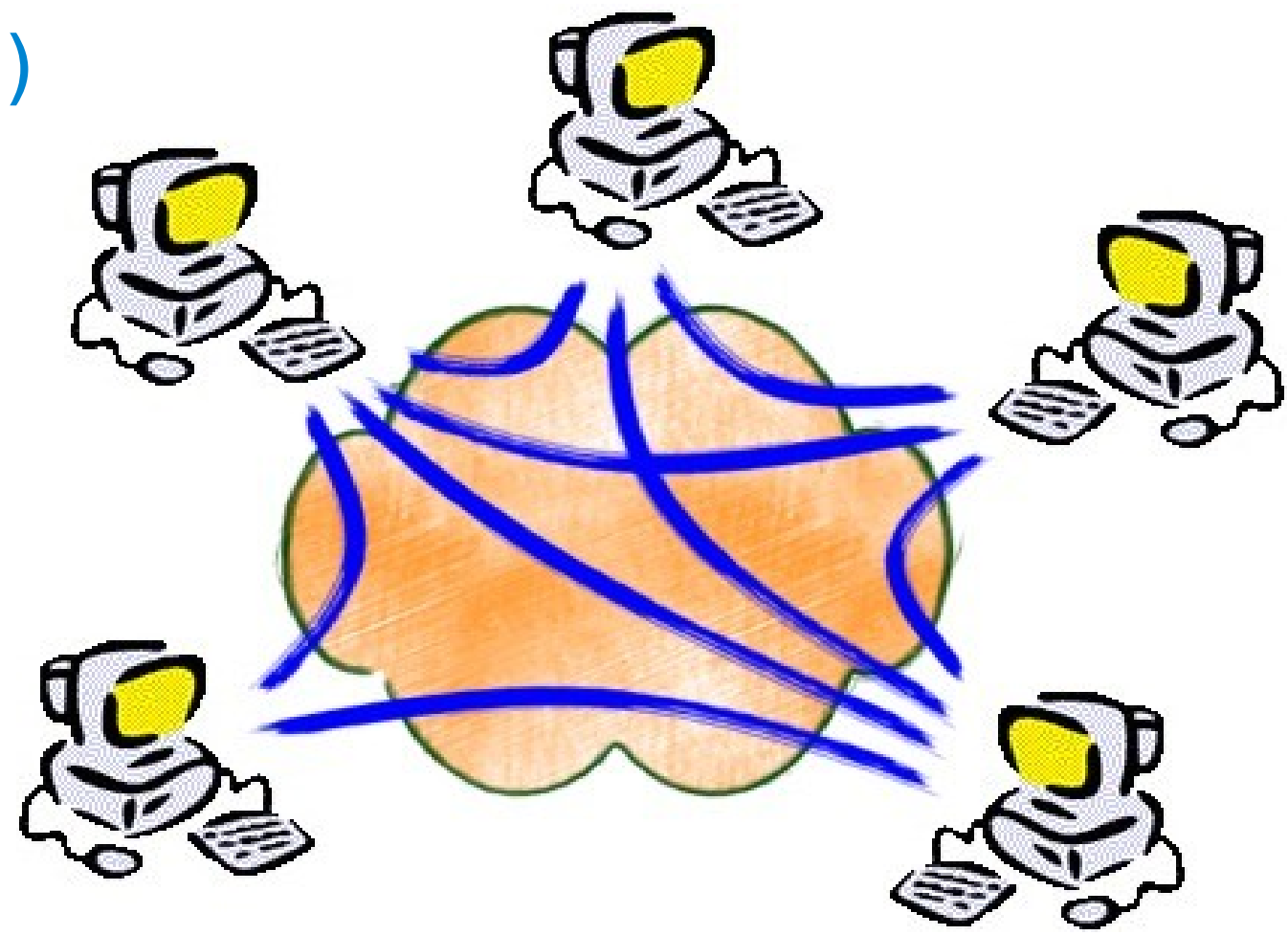
# DVCS Key concepts

**Make (record)** the changes and **Share** the changes are distinct operations



# DVCS Key concepts

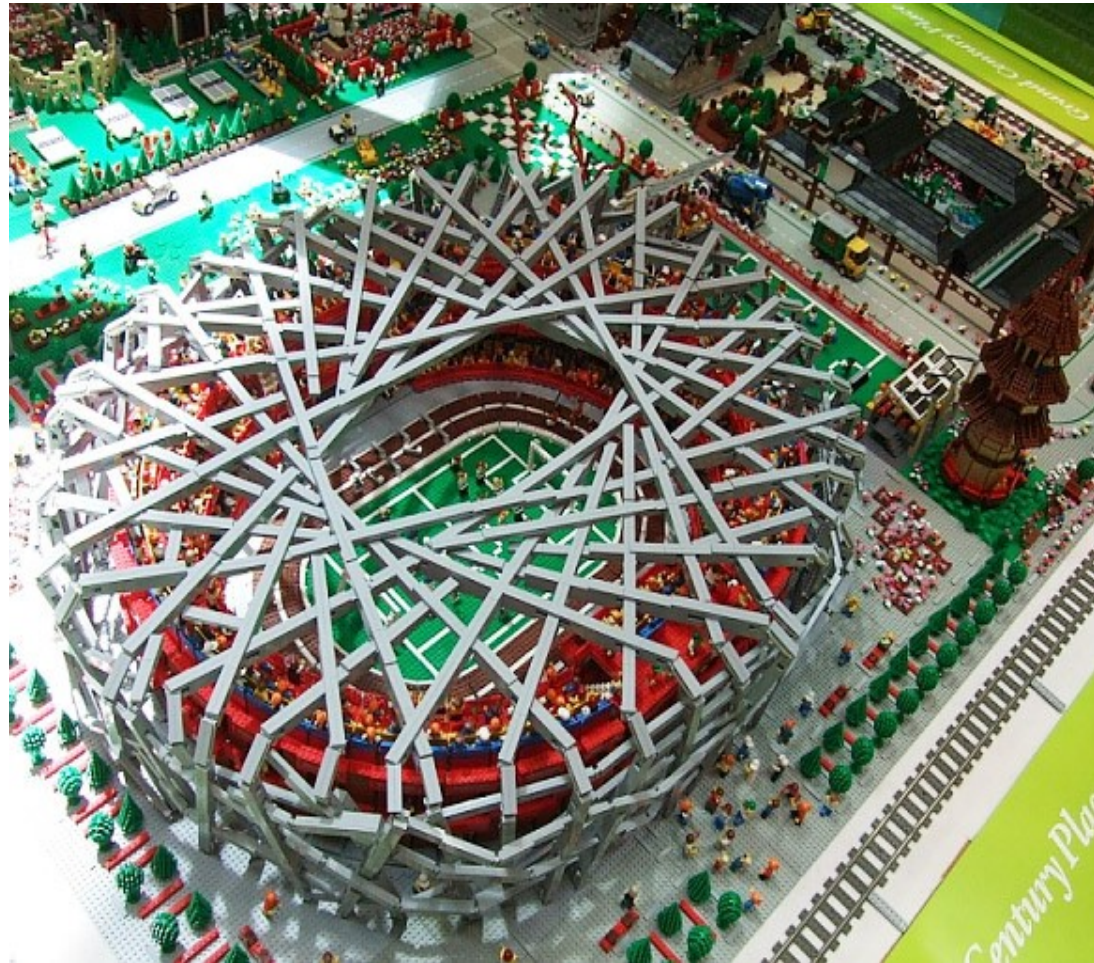
**Peer-to-Peer** approach  
(We are all equal)





# DVCS Key concepts

**Construct your own  
structure**  
(free as in freedom)



# DVCS Key concepts

Merge is good!!!

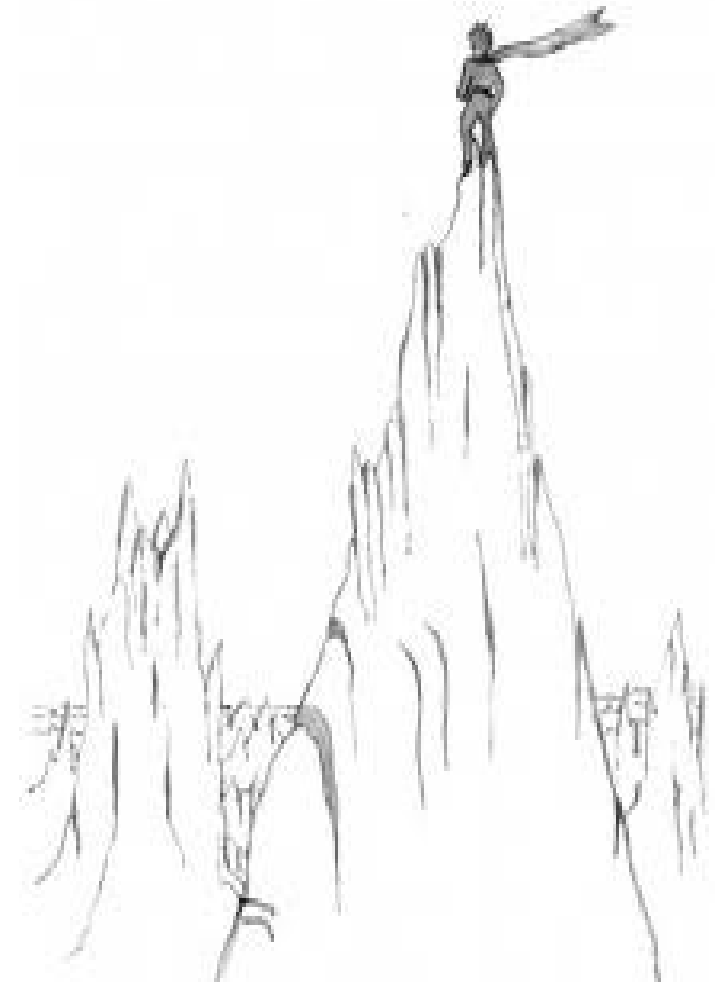
(so don't be afraid to branch)

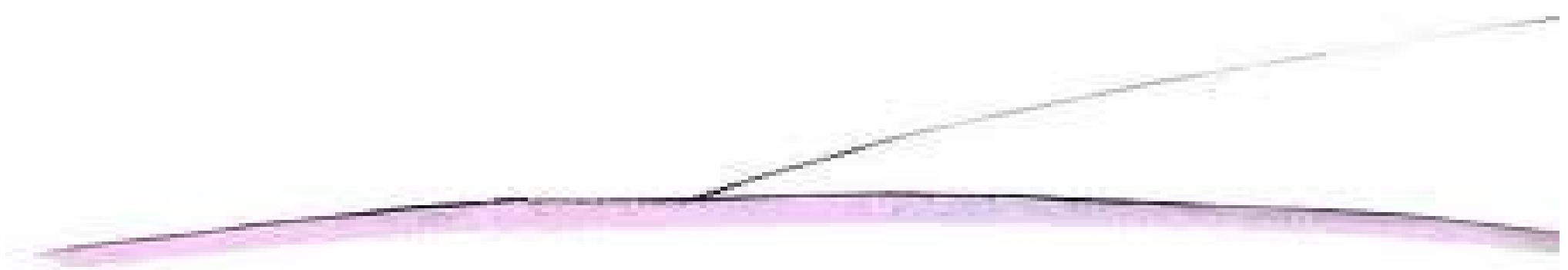
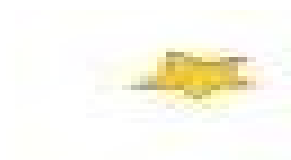




# Power to the developers

- Private branches
- History editing
- Isolated environment







Open Source Solutions for Software Development

Thank you!

[miron@tikalk.com](mailto:miron@tikalk.com)