

GRAPHICAL DIAGNOSIS PLATFORM

AMOS // Prof. Dr. Dirk Riehle
DATEV eG - Müller/Sauermann



What we will tell you

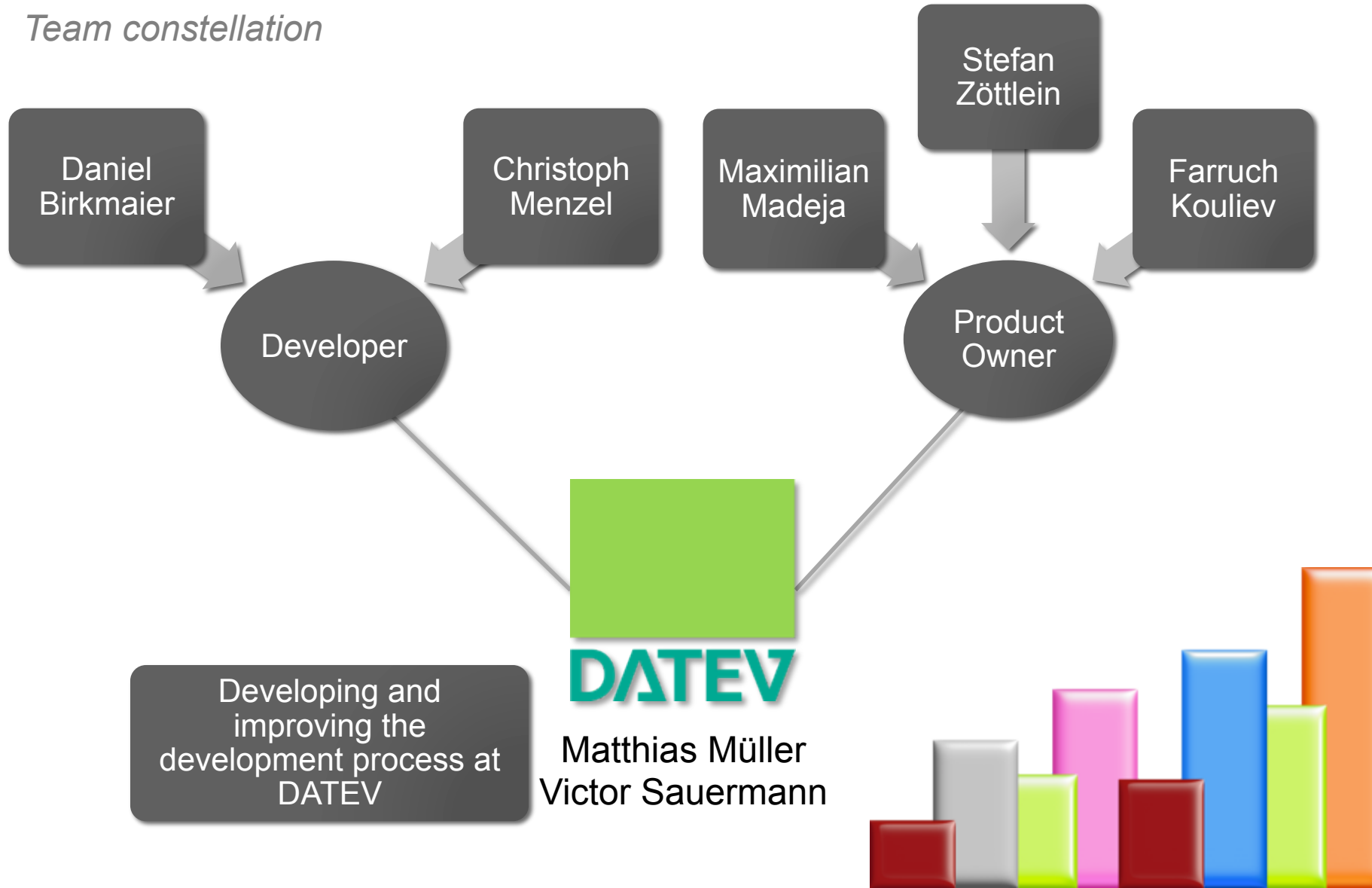
Agenda

- 🔍 Team 5 and DATEV eG
- 🔍 Status Quo at DATEV eG software development
- 🔍 Necessary change and requirements
- 🔍 Product vision
- 🔍 GraphalyzerPro Demo
- 🔍 System Architecture



Introducing team 5 and the connection to DATEV eG

Team constellation



Development and analyzing software at DATEV eG

Status quo at DATEV eG



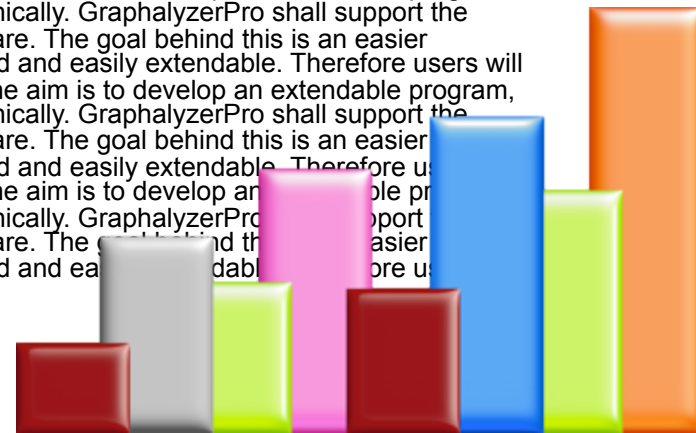
Something has to be changed in future development

Necessary change

- Faster and
- Easier

way to search for anomalies and exception, while getting a better understanding which processes and threads are running at one sight.

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What a new application should be able to provide

Requirements

- 🔍 Modularized structure:
 - 🔍 Receiver
 - 🔍 Information Engine
 - 🔍 Graphical analyzer
- 🔍 Visualizing processes and threads with diagrams
- 🔍 Ability to interpret/read the special DATEV development log-files



Definition of our mission

Product vision

The aim is to develop an extendable program, called GraphalyzerPro, which is a tool for analyzing log files and representing its content graphically.

GraphalyzerPro shall support the development and improvement process of new and already existing features of DATEV-Software. The goal behind this is an easier understanding of the logged processes and its connections. The program shall be modulized and easily extendable. Therefore users will have the opportunity to implement their own logfile receivers and their own output modules.



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GRAPH ALYZER

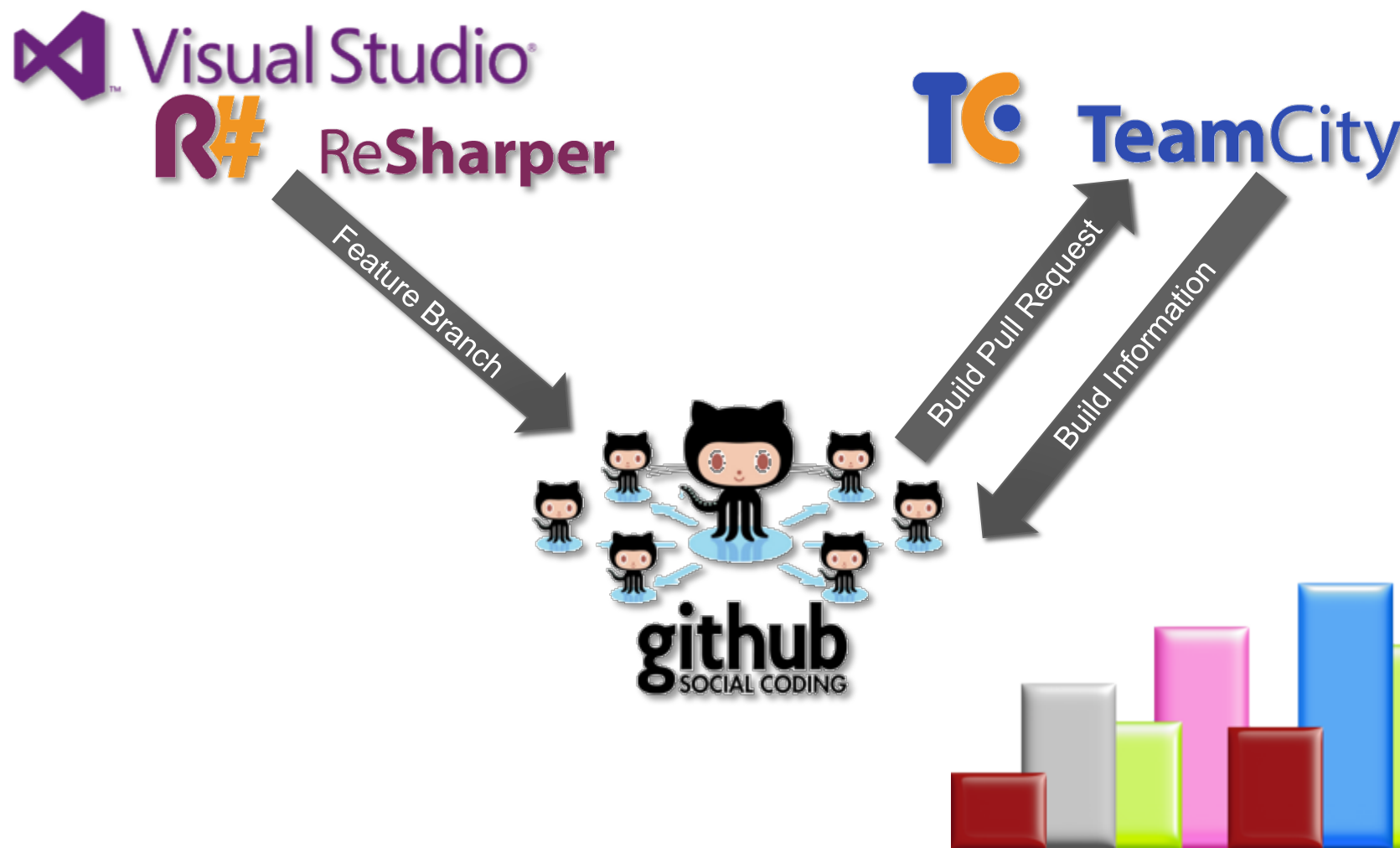


DEMO



Designing an appropriate infrastructure

System Architecture



Overview over the GraphalyzerPro

System Architecture

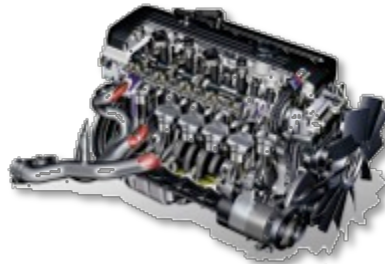
Receiver

Information Engine

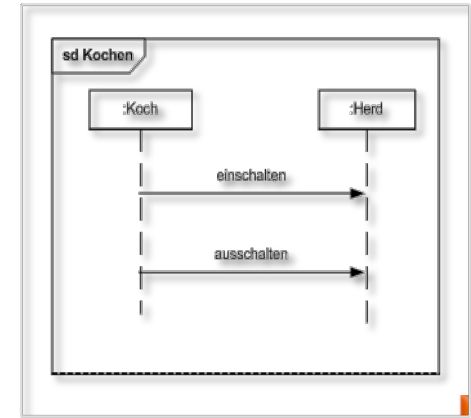
Analysis



Log-Data



Information



Choice of technology stack constellation

System Architecture



ReactiveUI



THANK YOU

