

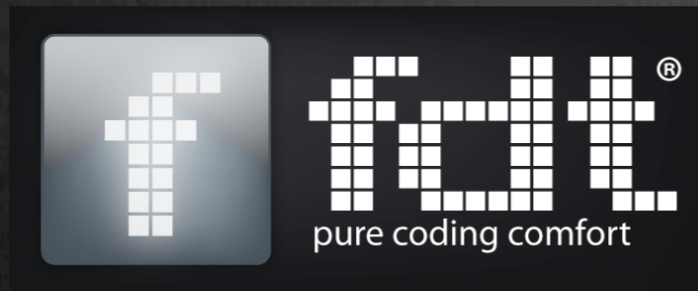
Agile Softwareentwicklung mit Flash

Die ultimative Entwicklungsumgebung

Michael Plank, MSc

POWER ⚡ FLASHER

WebTech '09



Tools



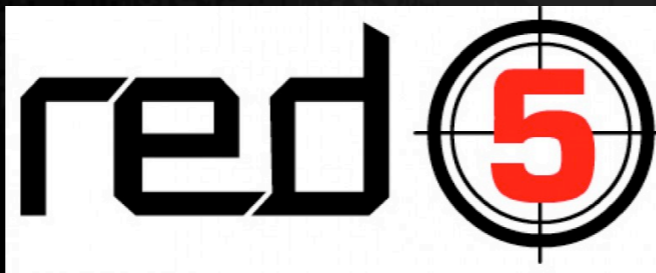
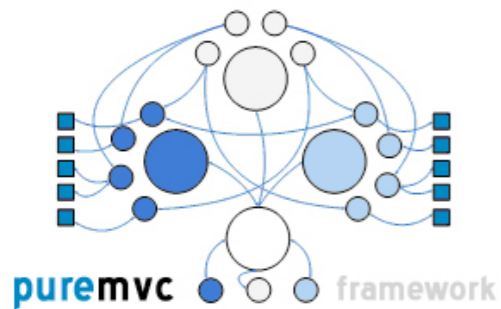
SPICEFACTORY 

Open Source Software for Rich Internet Applications
built with Flex/Flash/AIR Clients and Java EE Servers



Technologien

Fx



Firmensitz

Powerflasher
Aachen

Agency
Solutions
Labs



Arbeitsplatz



Kaffeemaschine



Workstation



Wasser & Snacks



Kollegen



Anne

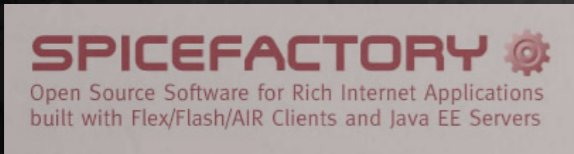
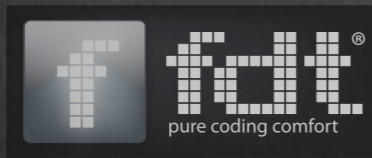
Stephan

Ich

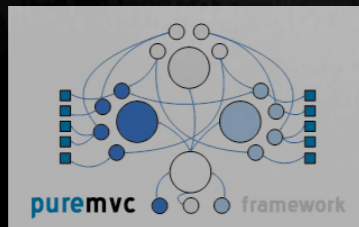
Nico

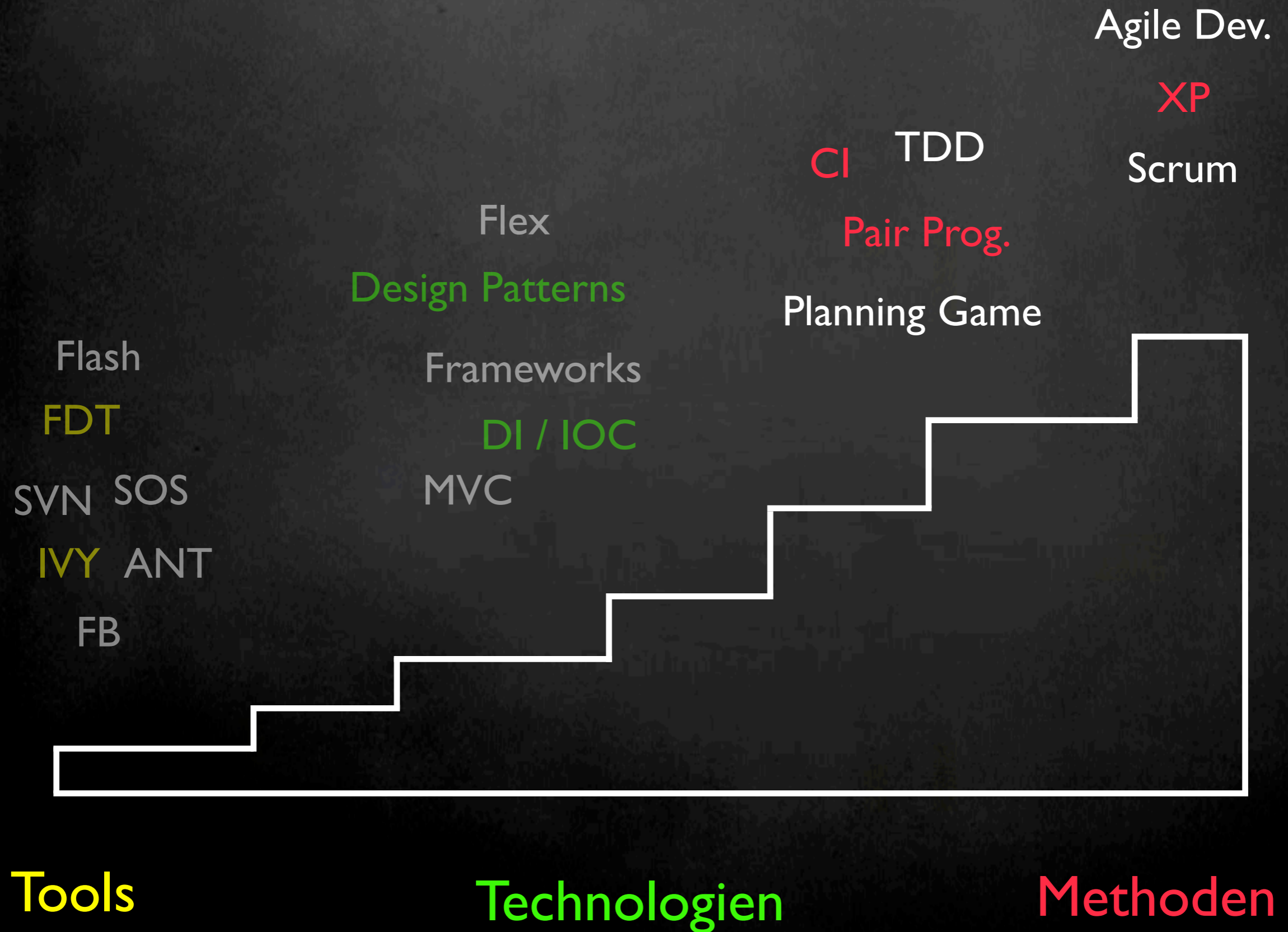
Michael Plank

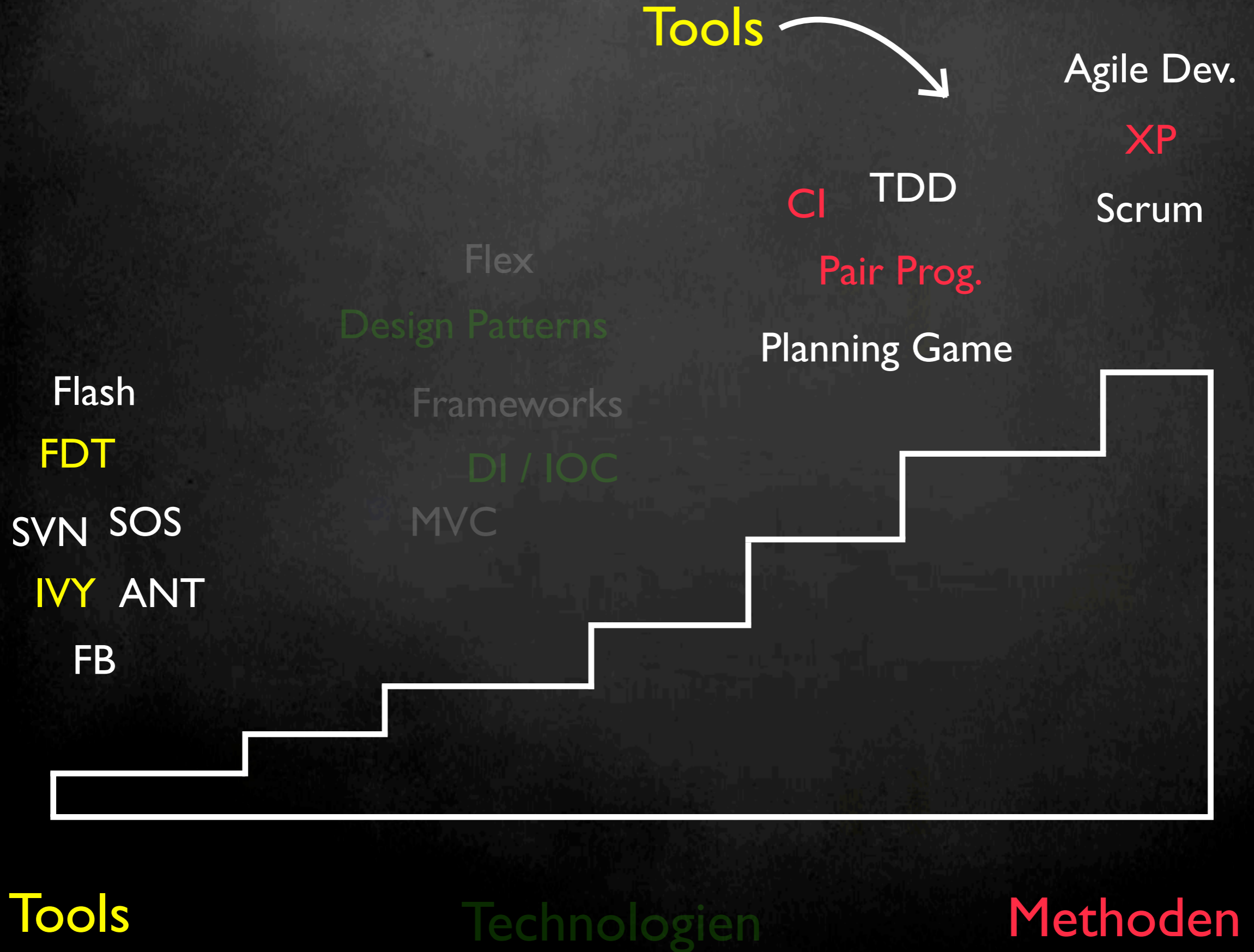
Technology Evangelist, Softwareentwickler



Entwicklungs- umgebung

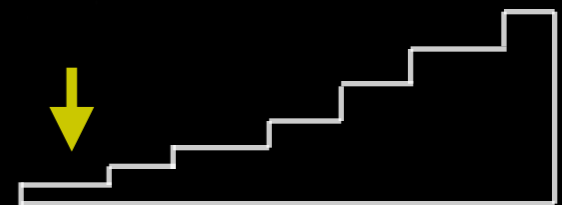
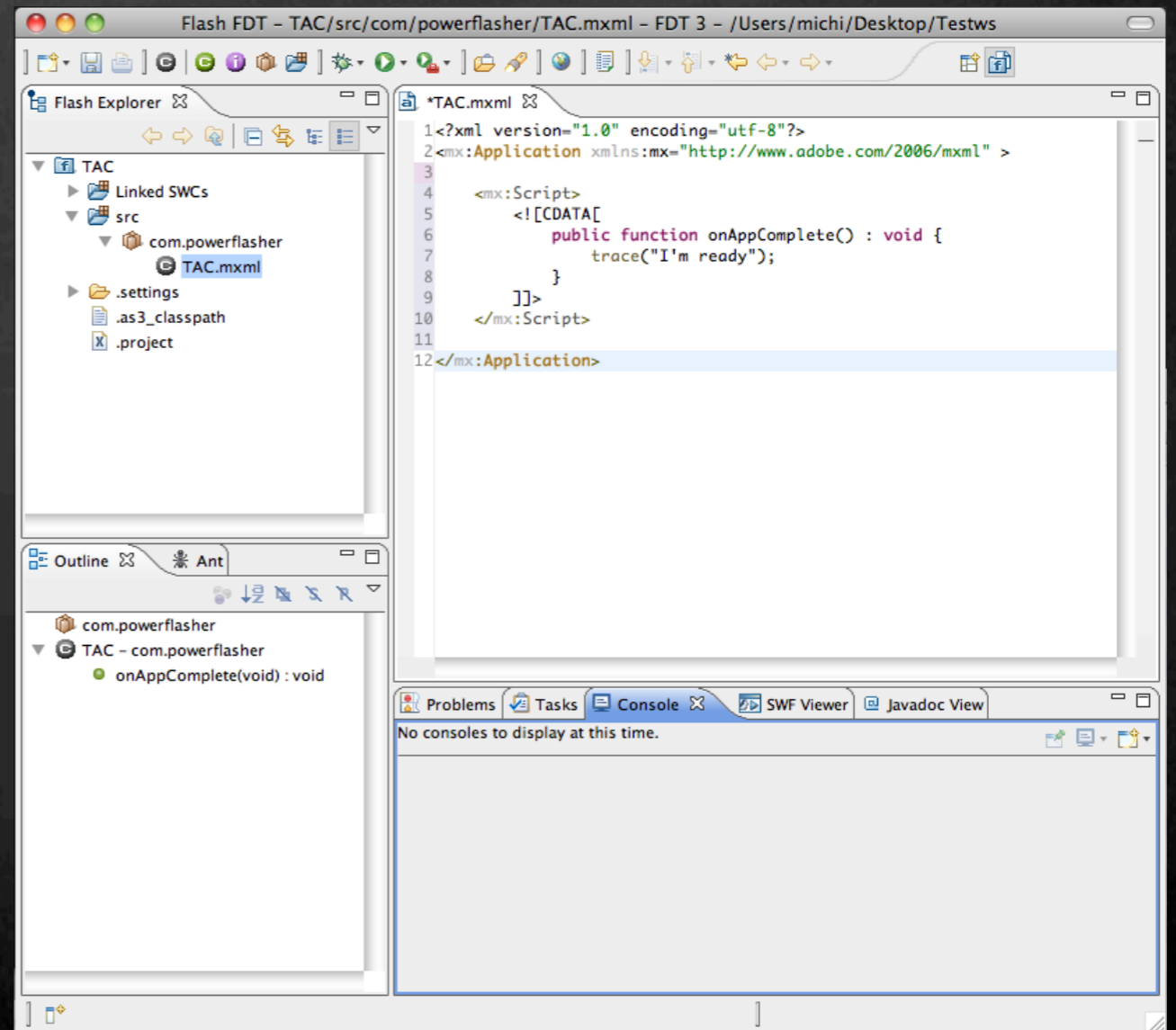
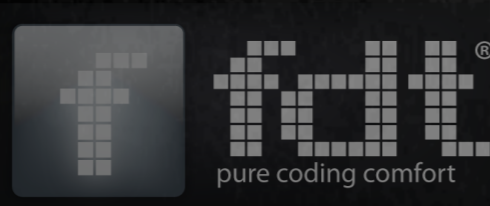






Tools Development

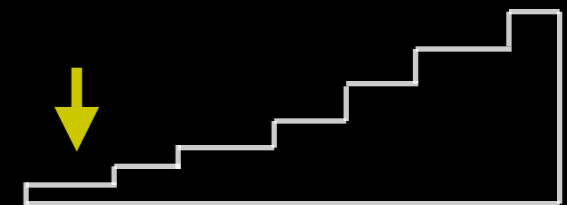
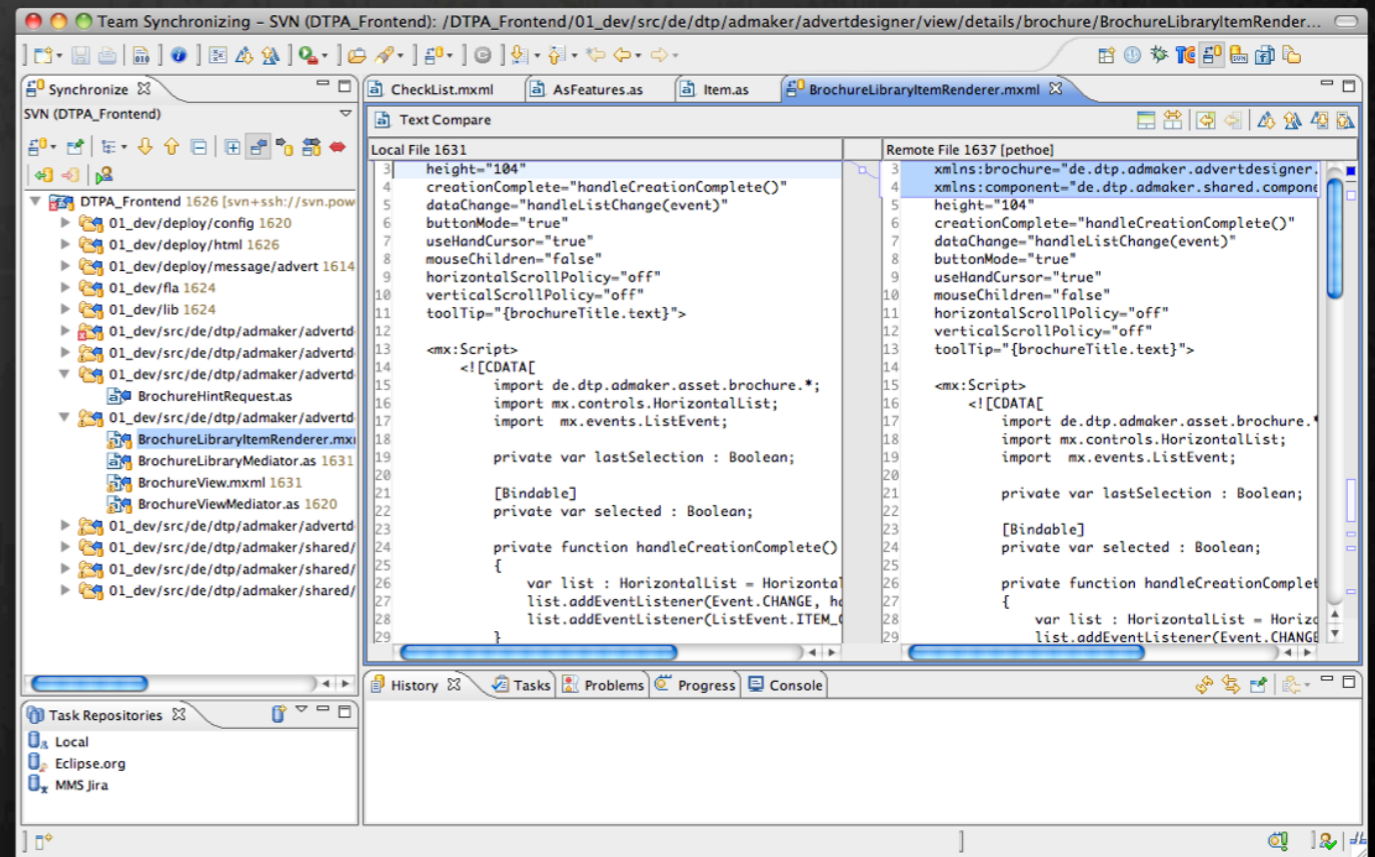
FDT



Tools

Version Control

SVN



Tools

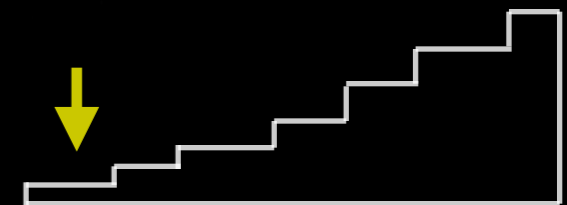
Dependency Management

IVY



```
<?xml version="1.0" encoding="ISO-8859-1"?>
<?xml-stylesheet type="text/xsl" href="http://ivyrep.jayasoft.org/
<ivy-module version="1.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema
  <info organisation="dtp" module="DTPA_Frontend" revision="0.0.
    <license name="Apache" url="http://www.apache.org/licenses
    <ivyauthor name="Powerflasher" url="http://www.powerflashe
    <description homepage="http://www.powerflasher.de/">

    </description>
  </info>
  <dependencies>
    <dependency org="adobe" name="flexunit" rev="0.9-hack"/>
    <dependency org="powerflasher" name="niczim_ASXMLUnit" rev=
    <dependency org="spicefactory" name="parsley" rev="1.0.2"/>
    <dependency org="spicefactory" name="spicelib" rev="1.1.0"/>
    <dependency org="spicefactory" name="cinnamon" rev="1.1.0-
    <dependency org="greensock" name="transformmanager" rev="1
    <dependency org="powerflasher" name="niczim_cheat" rev="0.
    <dependency org="powerflasher" name="niczim_RichTextEditor
    <dependency org="powerflasher" name="matgro_progressmonito
    <dependency org="powerflasher" name="matgro_loadertask" re
  </dependencies>
</ivy-module>
```



Tools

Automated Build Process

ANT



```
<!-- task definition for ResourceParser -->
<path id="ant.libs">
  <fileset dir="${basedir}/ant/" includes="*.jar" />
</path>
<taskdef name="configCompiler" classname="com.powerflasher.ste

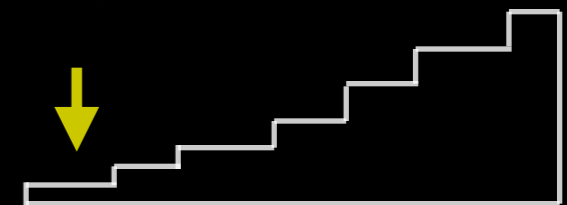
<!-- Creates the configuration file for compiling the interpre
<target name="[config]_admaker_model_swc">
  <configCompiler debug="${debug}" parseType="swc">
    <configFile path="${basedir}" file="admaker_model_conf

    <outputFile path="${deploy.dir}" file="AdmakerModel.sw

    <sourcePath path="${src.dir}" />
    <externalLibraryPath path="${libs.dir}" />

    <includeDir path="${src.dir}/de/dtp/admaker/model/adve
    <externDir path="${src.dir}/de/dtp/admaker/view/admake
  </configCompiler>
</target>

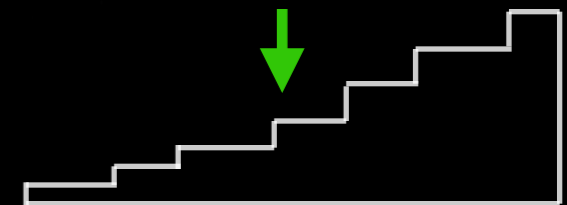
<!-- Compiles the interpreter core as swc. -->
<target name="[build]_admaker_model_swc" depends="[config]_adm
  <bigsource.compcc>
    <default_script_limits max_recursion_depth="1000" max_
```



Methoden

Technologien

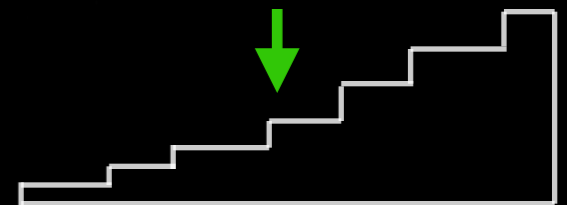
Tools



Technologien

Design Patterns

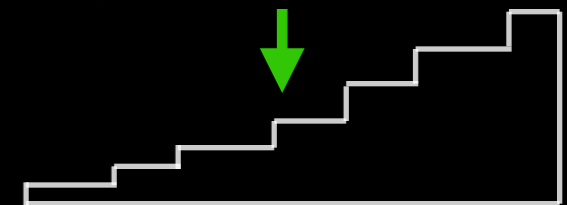
Observer, Singleton, Builder, Facade, ...



Technologien

Design Patterns

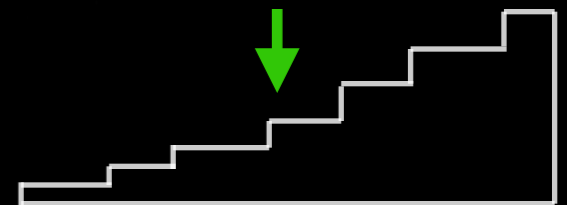
MVC, DI, IOC, ...



Technologien

Frameworks & Libraries

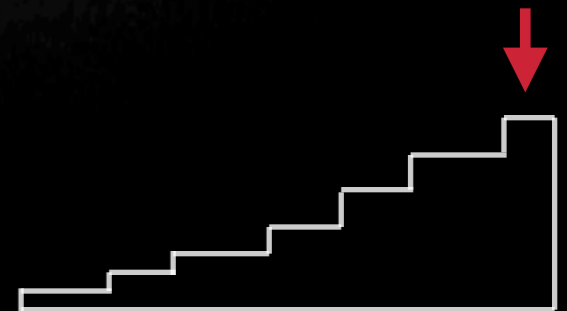
Flex, Pure MVC, Papervision, ...



Methoden

Technologien

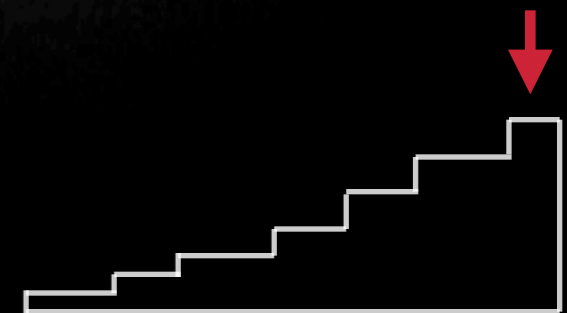
Tools



Methoden

Agile Softwareentwicklung

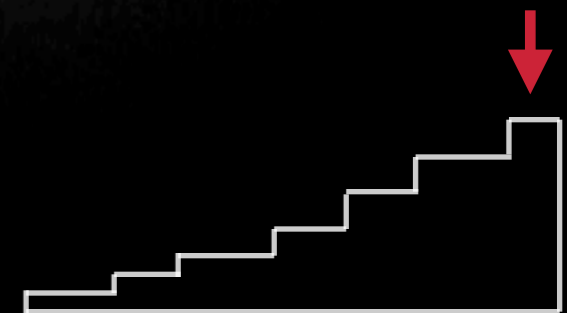
Iterationen, Zusammenarbeit, Flexibilität, ...



Methoden

Agile Softwareentwicklung

XP, Scrum, ...



Methoden

Extreme Programming

Werte

Kommunikation

Einfachheit

Respekt

...

Prinzipien

Feedback

Änderungsfreundlichkeit

...

Methoden

Pair Programming **PP**

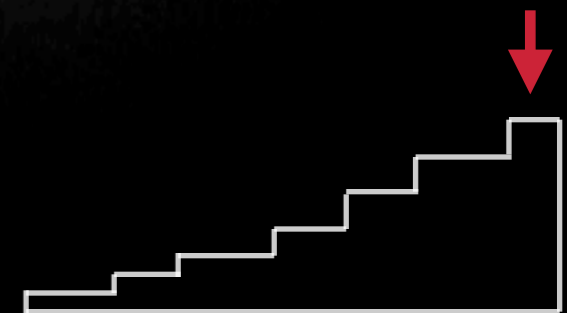
Test Driven Development **TDD**

Continuous Integration **CI**

Planning Game **PG**

Coding Standards **CS**

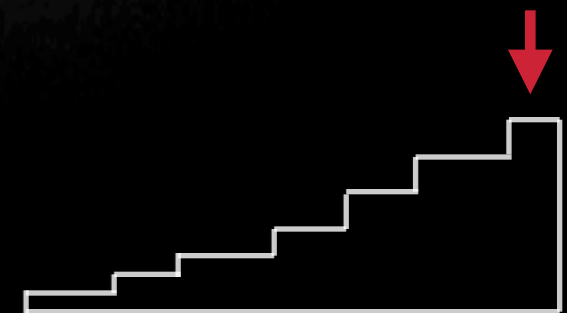
...

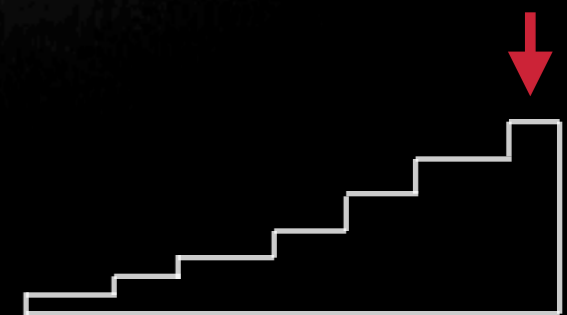
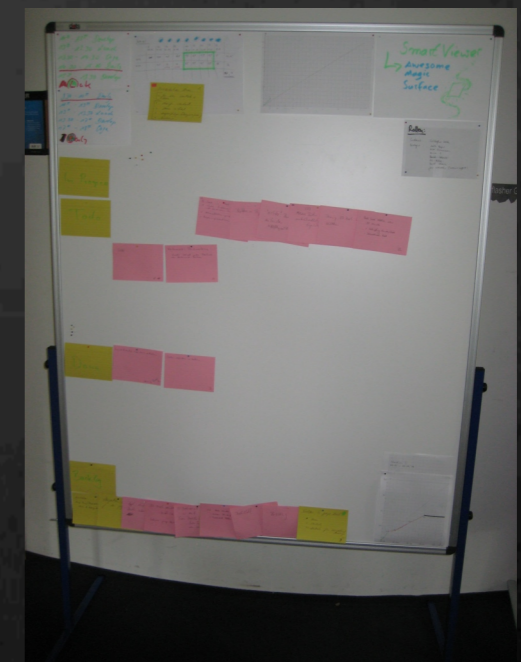


Methoden

Planning Game

Pinboard, Mylyn

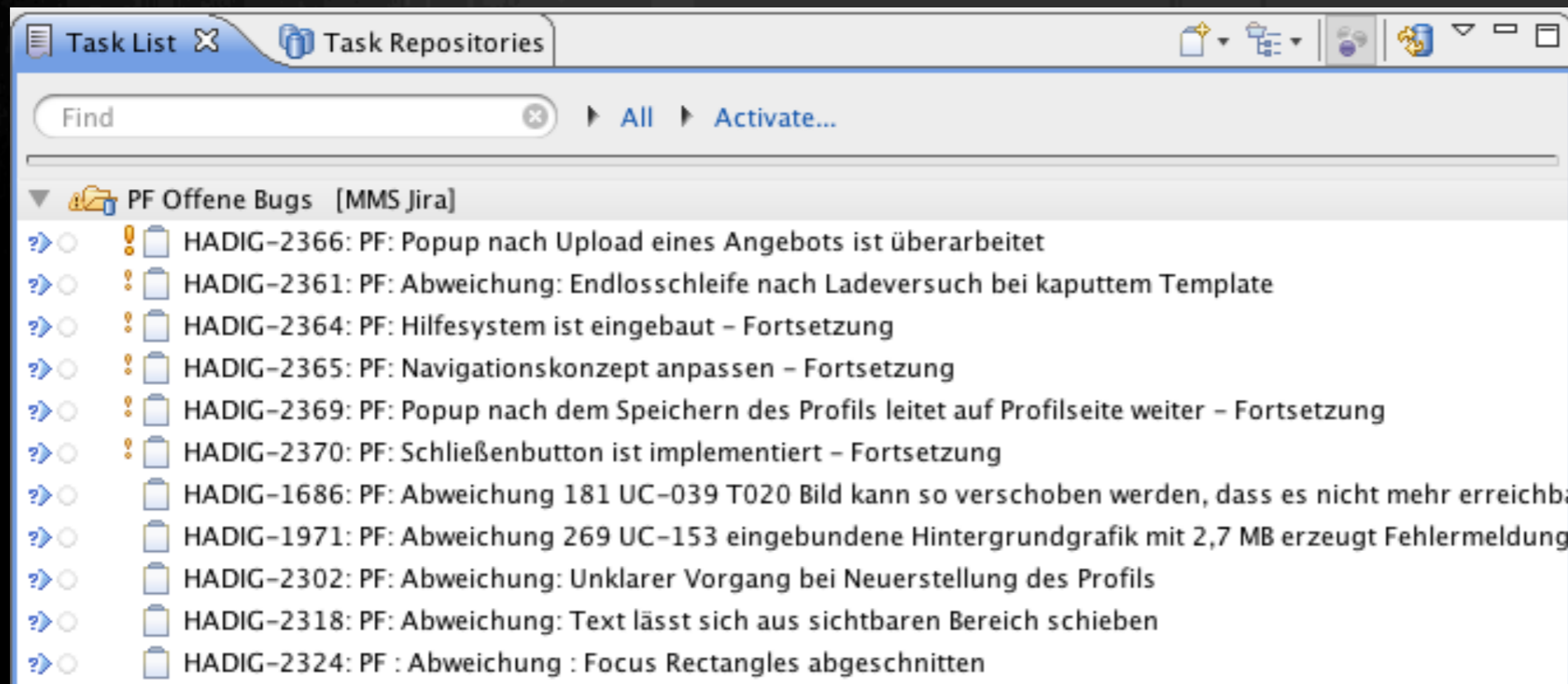




Methoden

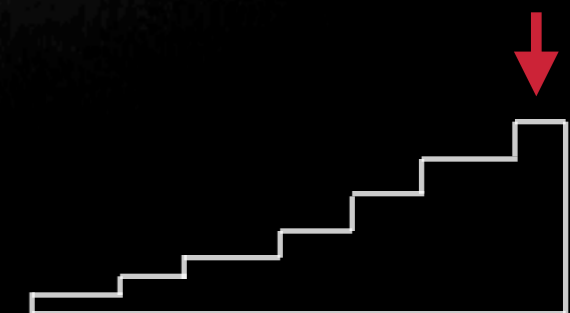
Planning Game

Mylyn



The screenshot shows a Mylyn Task List window with the following content:

- Task List x Task Repositories
- Find [] x All Activate...
- PF Offene Bugs [MMS Jira]
- HADIG-2366: PF: Popup nach Upload eines Angebots ist überarbeitet
- HADIG-2361: PF: Abweichung: Endlosschleife nach Ladeversuch bei kaputtem Template
- HADIG-2364: PF: Hilfesystem ist eingebaut – Fortsetzung
- HADIG-2365: PF: Navigationskonzept anpassen – Fortsetzung
- HADIG-2369: PF: Popup nach dem Speichern des Profils leitet auf Profilseite weiter – Fortsetzung
- HADIG-2370: PF: Schließenbutton ist implementiert – Fortsetzung
- HADIG-1686: PF: Abweichung 181 UC-039 T020 Bild kann so verschoben werden, dass es nicht mehr erreichbar ist
- HADIG-1971: PF: Abweichung 269 UC-153 eingebundene Hintergrundgrafik mit 2,7 MB erzeugt Fehlermeldung
- HADIG-2302: PF: Abweichung: Unklarer Vorgang bei Neuerstellung des Profils
- HADIG-2318: PF: Abweichung: Text lässt sich aus sichtbaren Bereich schieben
- HADIG-2324: PF : Abweichung : Focus Rectangles abgeschnitten



Methoden

Test Driven Development

Flex Unit

FlexUnit Runner powered by Adobe Consulting

TEST CASES

Q Type filter All results

Case	Result	Asserts	Expected	Actual
▶ Admak...	✔	3.00		
▶ Advert...	✔	2.70		
▶ BadWo...	✔	1.57		
▶ Brochu...	✔	2.25		
▶ Coupo...	✔	1.50		
▶ Media...	✔	1.64		
▶ Profile...	✔	3.00		
▶ UserSe...	✔	1.75		
▶ UserSe...	✔	1.50		
▶ Templ...	✔	4.50		
▶ Service...	✔	1.00		
▶ SoapE...	✔	1.18		

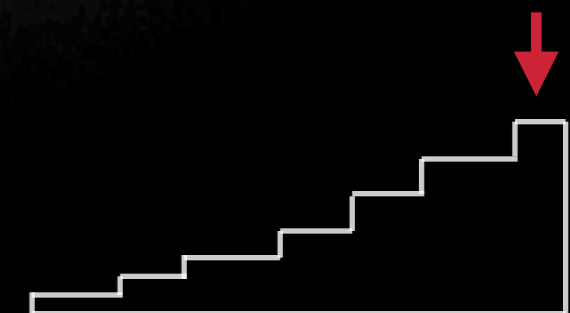
TEST SUITE

✔

Tests run	104
Time taken	4.004 seconds
Asserts	2.36 assertions per test on average
Errors	0
Failures	0

RESULT DETAILS

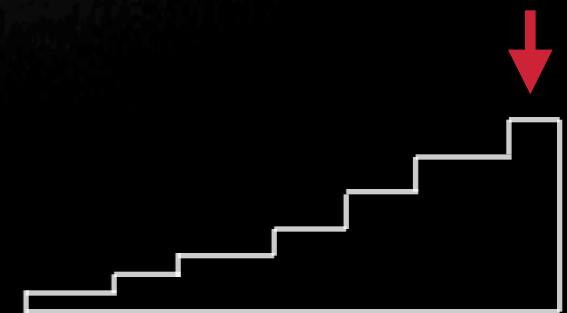
Case	SoapServiceIntegrationTest
Function	testErrorMessageError
Expected	-
Actual	-
Location	-
Message	-



Methoden

Continuous Integration

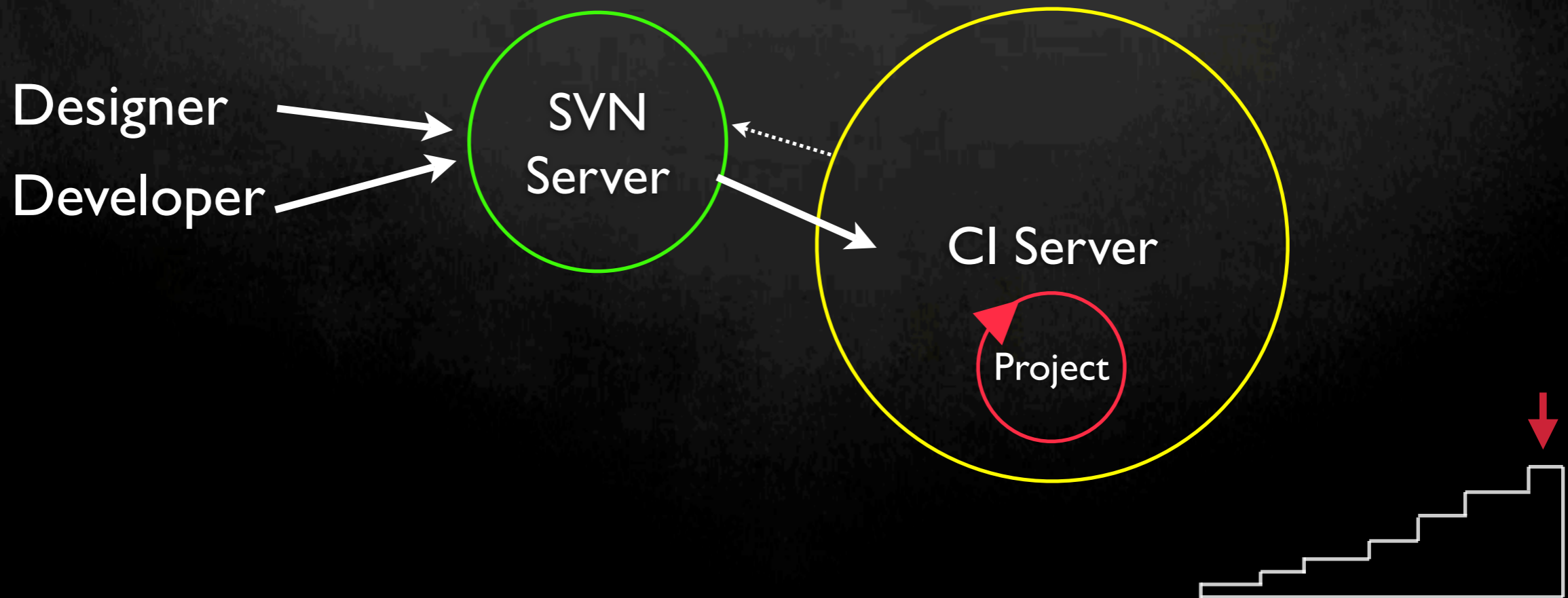
Team City



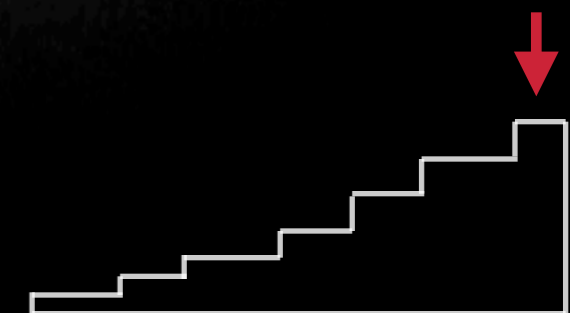
Methoden

Continuous Integration

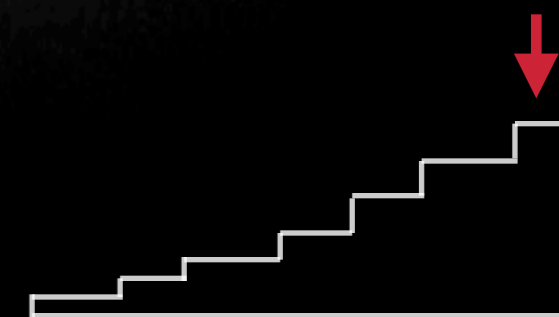
Team City

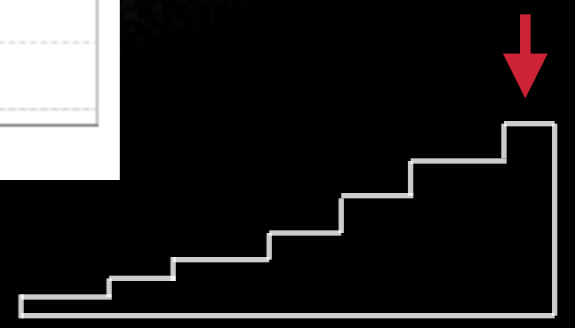
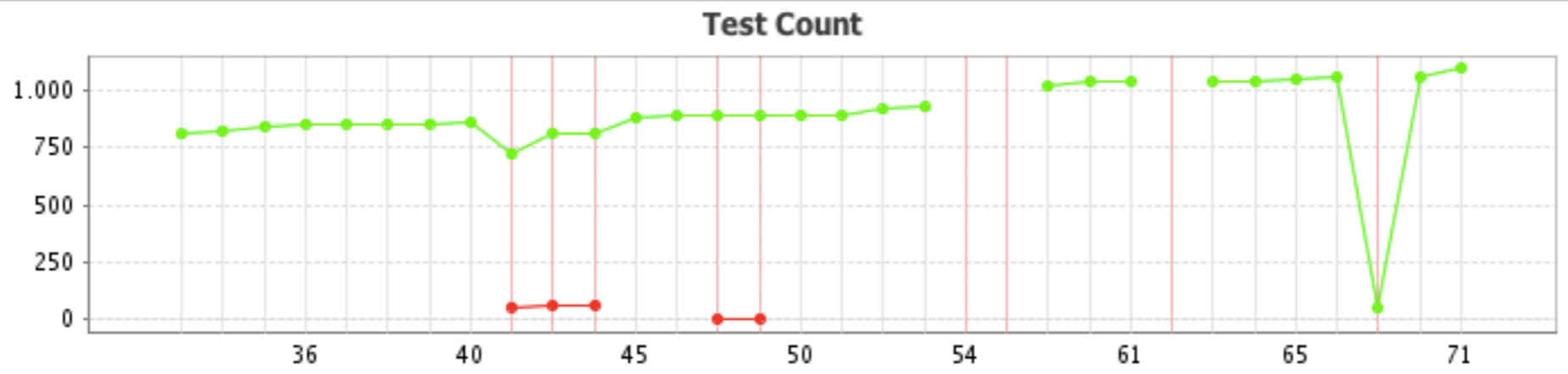
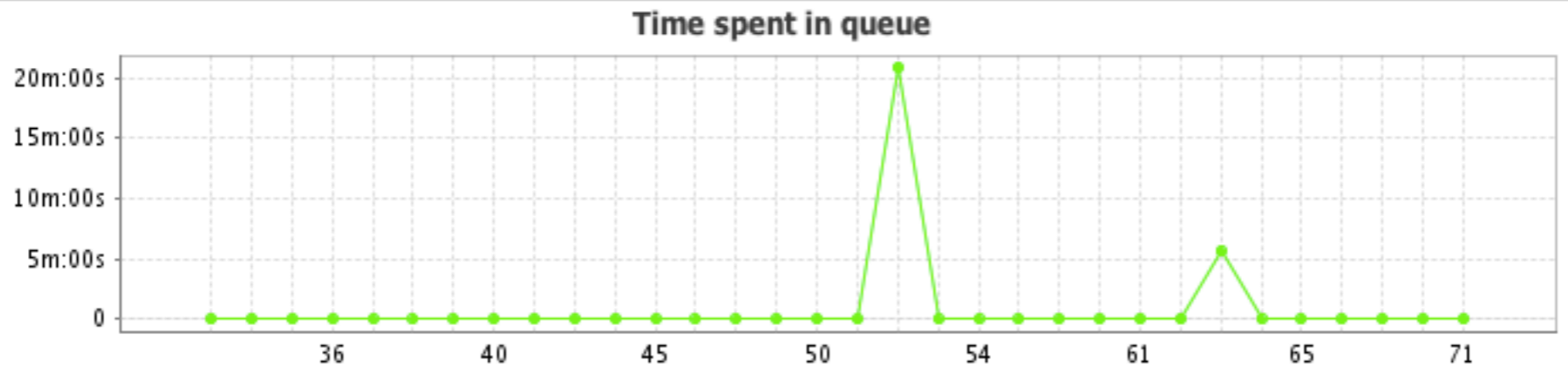
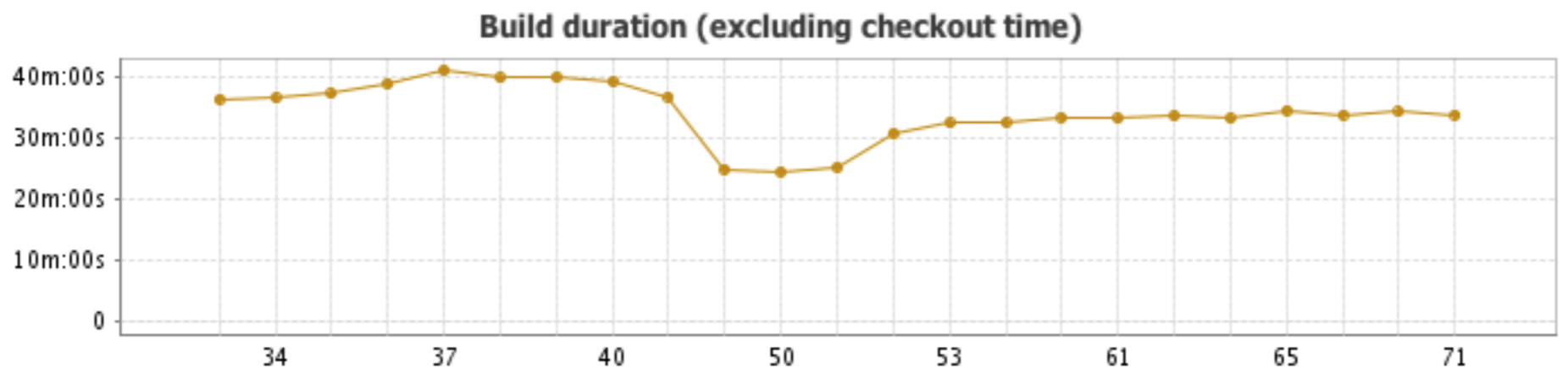


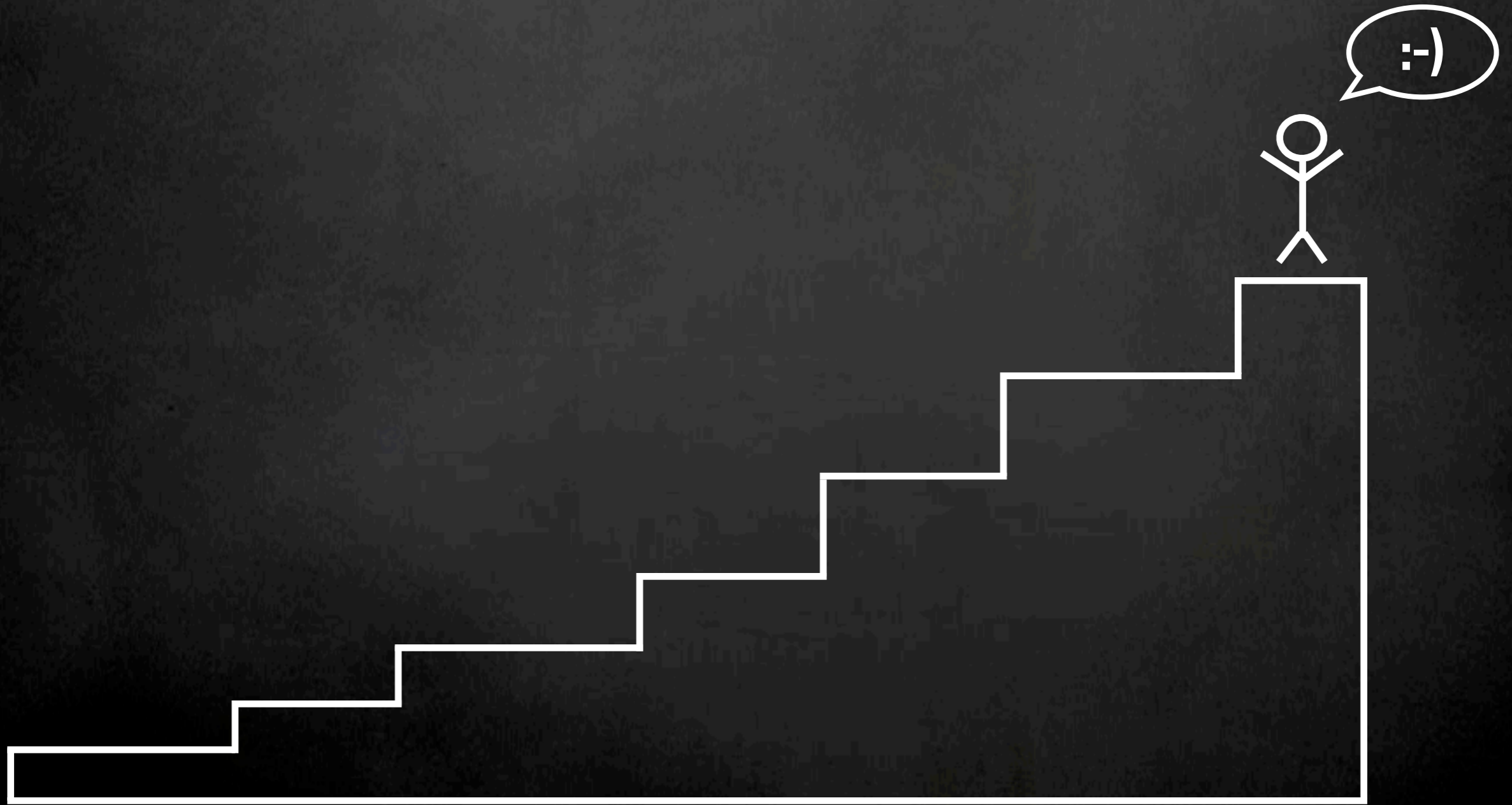
pdfbook 3D (Powerflasher Solutions pdfbook 3D)				hide project
Iteration	Run			
#14-iteration.5	Tests passed: 332	Artifacts	Changes (4)	12 Sep 09 10:32 (2m:47s)
Nightly	Run			
#14-nightly.34	Tests passed: 332	Artifacts	niczim (3)	12 Sep 09 03:02 (3m:24s)
Snapshot	Run			
#14-snapshot.600	Tests passed: 332	Artifacts	niczim (1)	11 Sep 09 17:12 (2m:02s)



#	Results	Artifacts	Changes	Started	Duration
#14-nightly.34	✔ Tests passed: 332	View	niczim (3)	12 Sep 09 03:02	3m:24s
#14-nightly.33	✔ Tests passed: 331	View	Changes (7)	11 Sep 09 03:02	3m:09s
#14-nightly.32	❌ Failure	None	Changes (9)	10 Sep 09 03:02	3m:17s
#14-nightly.31	✔ Tests passed: 331	View	Changes (2)	09 Sep 09 03:01	3m:49s
#14-nightly.30	✔ Tests passed: 331	View	micpla (2)	08 Sep 09 03:02	3m:27s
#14-nightly.29	✔ Tests passed: 331	View	Changes (7)	05 Sep 09 03:03	3m:13s
#14-nightly.28	✔ Tests passed: 331	View	ansaw (1)	04 Sep 09 10:56	2m:46s
#14-nightly.27	✔ Tests passed: 331	View	Changes (11)	04 Sep 09 03:04	3m:12s
#14-nightly.26	✔ Tests passed: 331	View	pethoe (1)	03 Sep 09 03:06	7m:04s
#14-nightly.25	✔ Tests passed: 331	View	micpla (1)	02 Sep 09 03:01	3m:58s



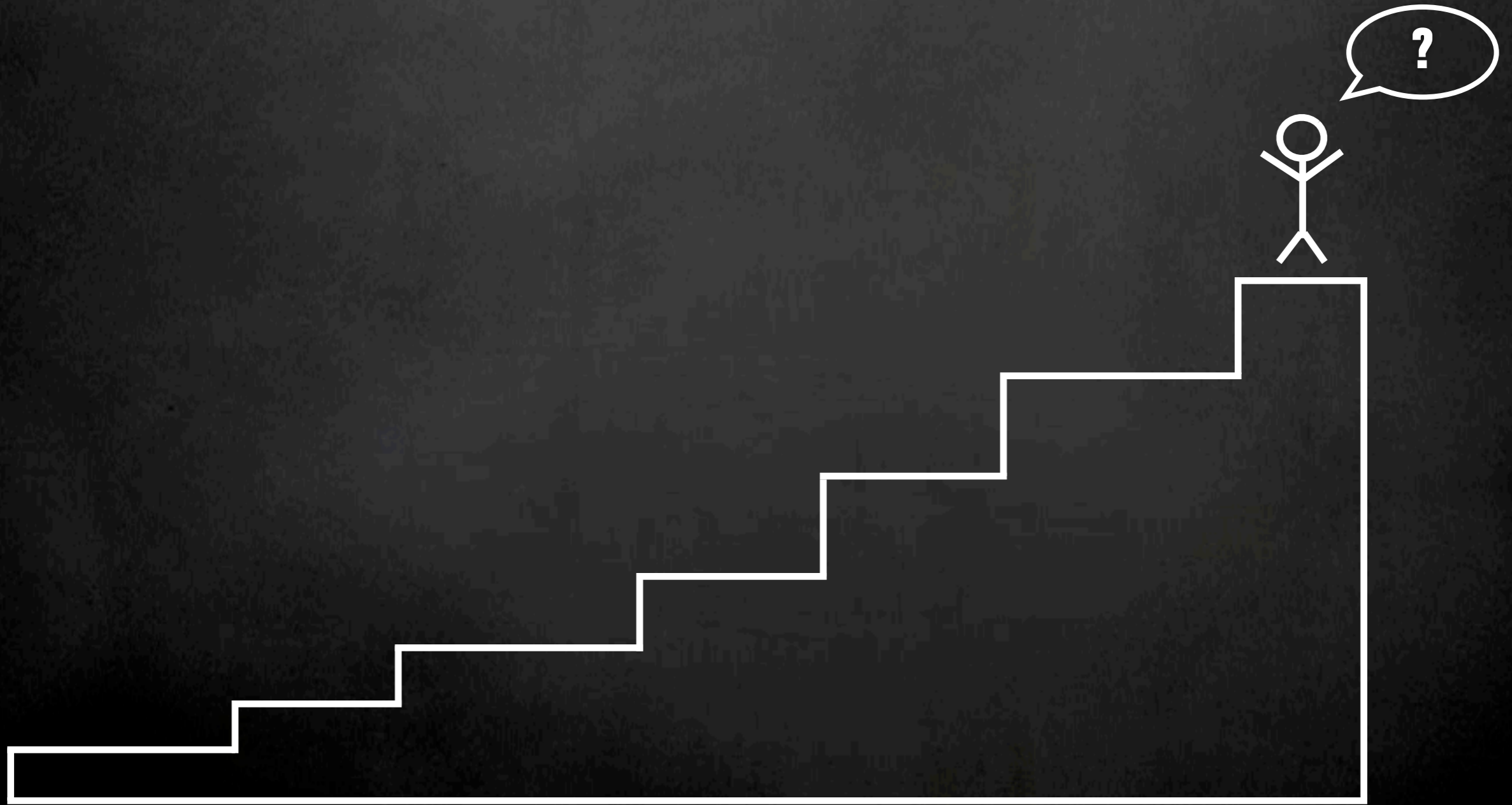




Tools

Technologien

Methoden

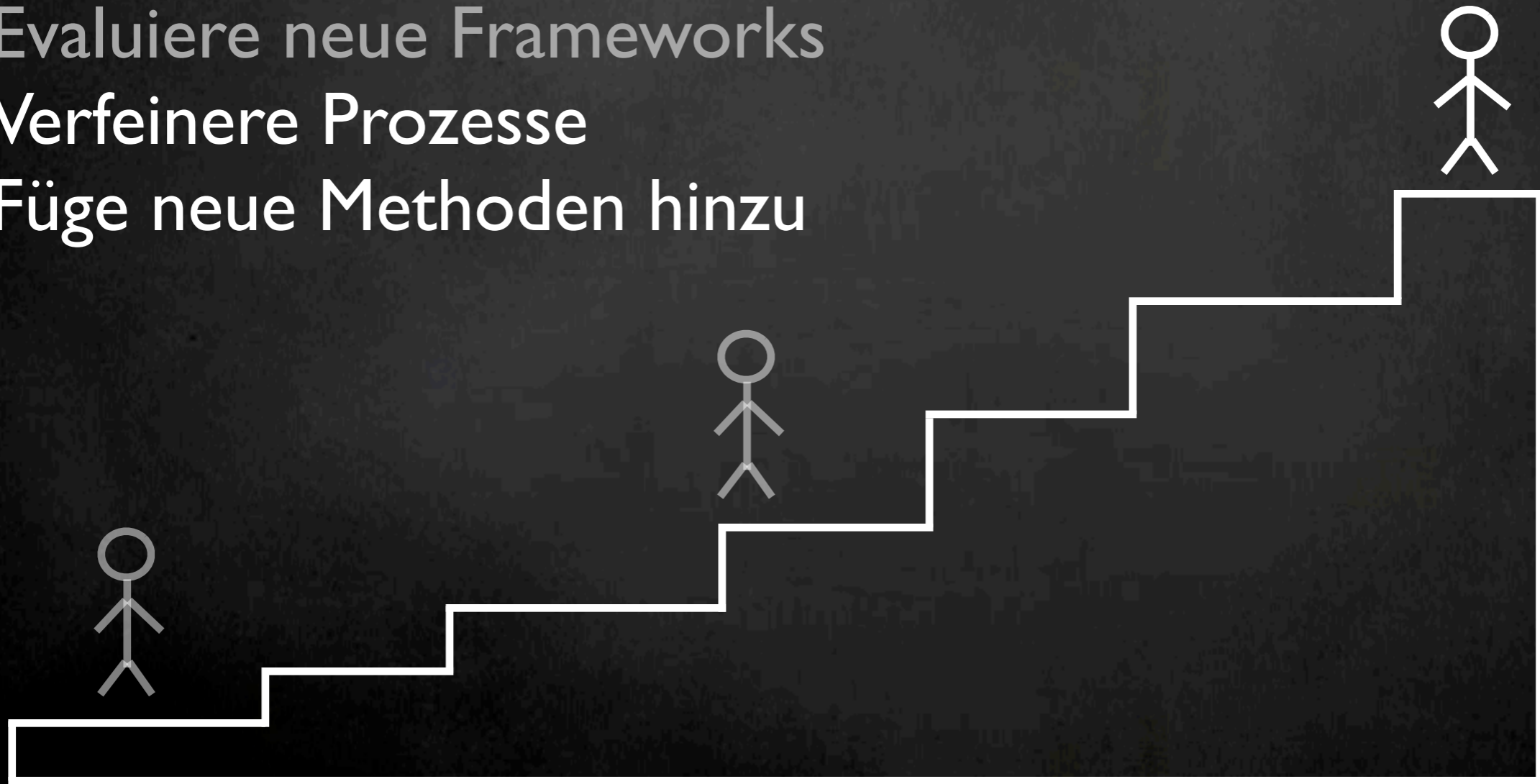


Tools

Technologien

Methoden

- Entwickle eigene Tools
- Evaluiere neue Tools
- Entwickle eigene Bibliotheken
- Evaluiere neue Frameworks
- Verfeinere Prozesse
- Füge neue Methoden hinzu



Tools

Technologien

Methoden

Kontakt



@Michael_Plank



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fdt.powerflasher.com