CMMI: Project Monitoring and Control



Outline



The WHAT: Project Monitoring and Control

SG 1: Monitor the Project Against the Plan

SG 2: Manage Corrective Action to Closure

The HOW (part 1): industrial practices

The HOW (part 2): real-life examples



[Dev10]

SG 1: Monitor the Project Against the Plan SP 1.1: Monitor Project Planning Parameters



Outline



The WHAT: Project Monitoring and Control

The HOW (part 1): industrial practices
Extreme Programming
SCRUM
Rational Unified Process

The HOW (part 2): real-life examples

The HOW (part 1): industrial practices



[AB06]

The HOW (part 1): industrial practices Extreme Programming



The HOW (part 1): industrial practices **SCRUM** - what it is



Overview

- agile software-engineering process
- iterative: thinking in sprints
- slim: 3 roles, 4 artifacts, small set of rules
- communicative: daily meetings, planning, reviews (but less paperwork)

The HOW (part 1): industrial practices **SCRUM** - what it is



Overview

- agile software-engineering process
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Differences to Extreme Programming

- ▶ iteration length: month (SCRUM) vs. 1-2 weeks (XP)
- change adaption: not in current sprint (SCRUM) vs. always (XP)
- work order: team chooses (SCRUM) vs. customer chooses (XP)
- ▶ engineering practices: not given (SCRUM) vs. given (XP)

The HOW (part 1): industrial practices SCRUM - how it supports Monitoring/Control



The HOW (part 1): industrial practices Rational Unified Process



Outline



The WHAT: Project Monitoring and Control

The HOW (part 1): industrial practices

The HOW (part 2): real-life examples at Hochschulrechenzentrum, TU Darmstadt at dimetis GmbH at BASF IT-Services

The HOW (part 2): real-life examples at Hochschulrechenzentrum, TU Darmstadt



The HOW (part 2): real-life examples at dimetis GmbH



The HOW (part 2): real-life examples at BASF IT-Services



Bibliography





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