

Tools for Requirements Management



REQUIREMENTS ENGINEERING II

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Agenda



- Introduction
- Requirements for requirement management tools
- Example: IBM Rational Focal Point
- Requirements specific for product line requirement management tools
- iRequirePlus / weQuire
- Summary

Introduction



Requirement
management?

Requirement management tools?

Requirements for requirement management tools - stakeholders



User

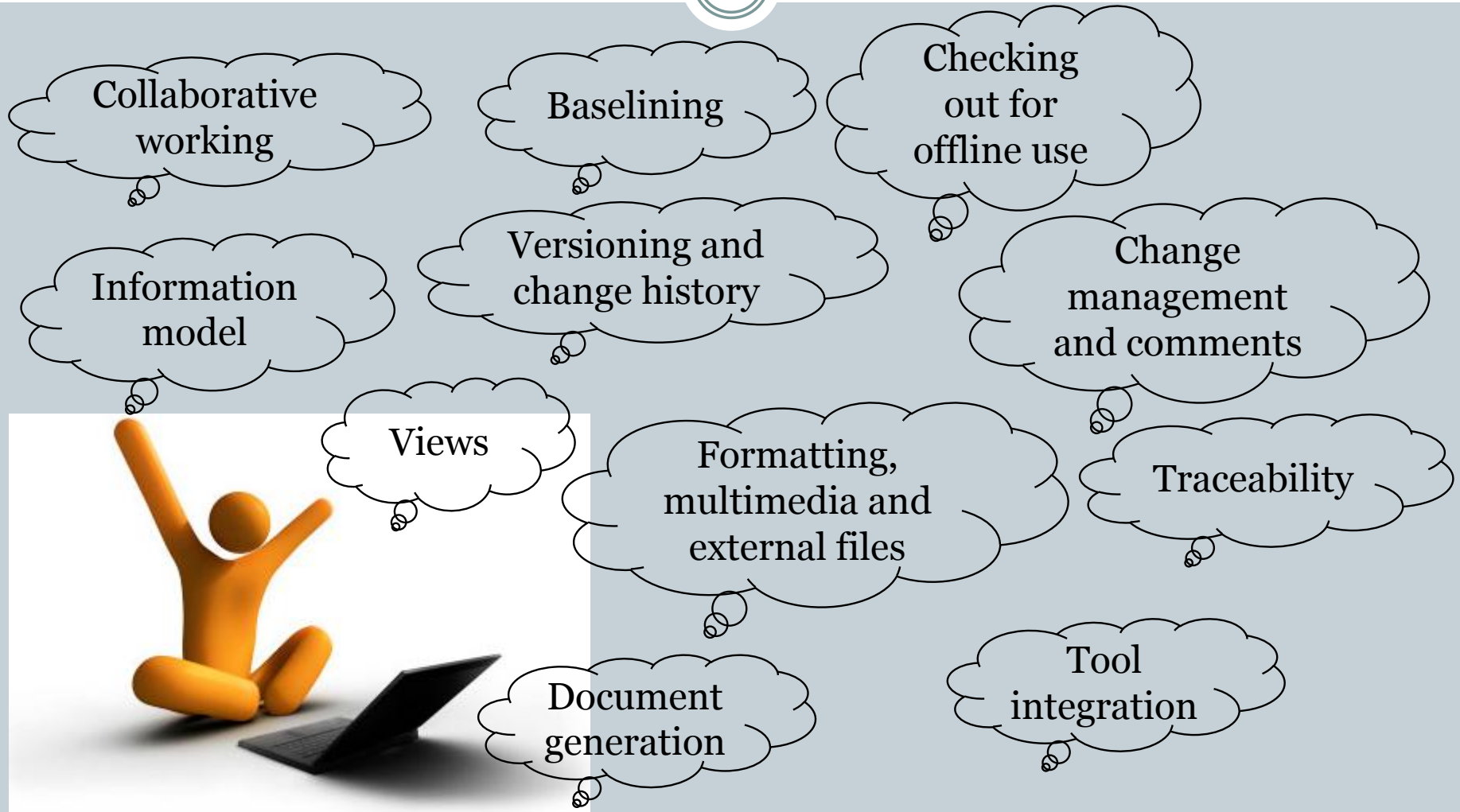


Project administrator



Tool administrator

Requirements for requirement management tools (from users)



Requirements for requirement management tools (from project administrators)



No size
restrictions

Users,
roles and
rights

Central installation
and administration

Extensibility



Requirements for requirement management tools (from IT system administrators)

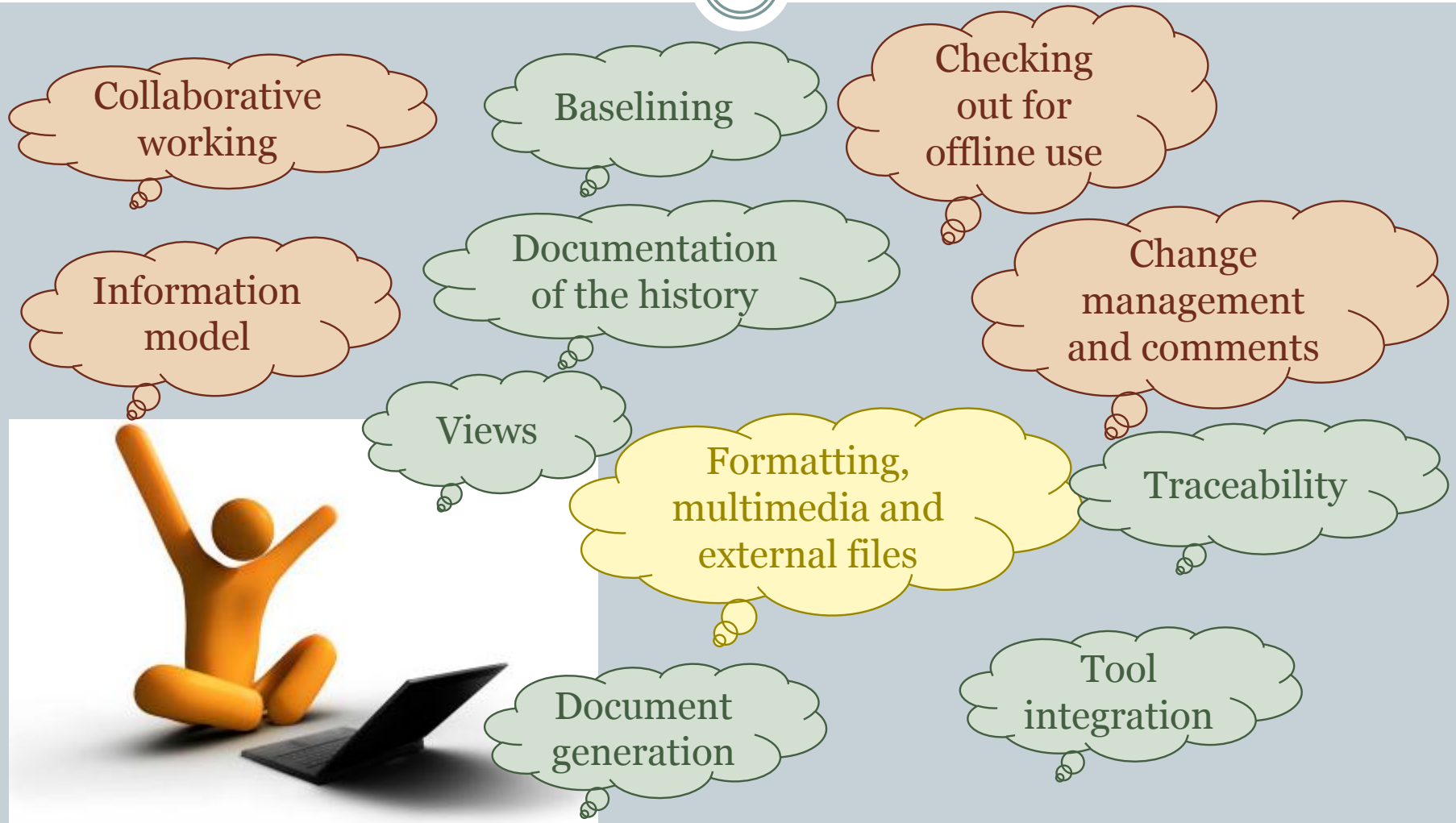


Encryption

Database



IBM Rational Focal Point –requirement check (users' requirements)



IBM Rational Focal Point –requirement check (project administrators' requirements)



Size
restrictions

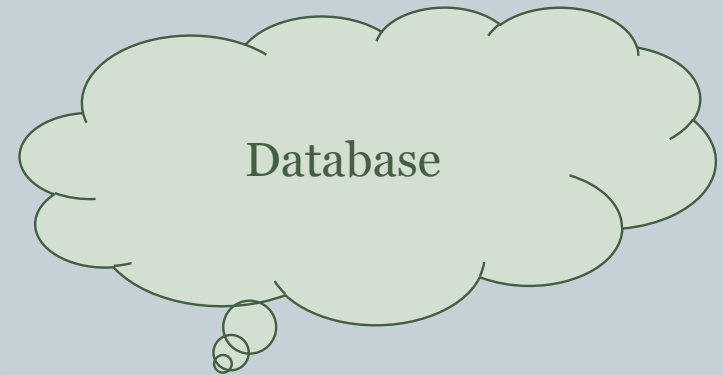
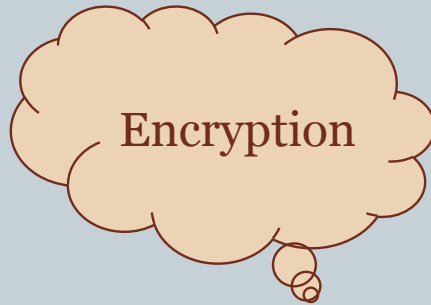
Users,
roles and
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Central installation
and administration

Extensibility



IBM Rational Focal Point –requirement check (IT system administrators' requirements)



Requirements specific for product line requirements management (I)

Tool-based
communication

Multi-
project/product
reporting



Baselining

Subsets of
requirements

Requirements specific for product line requirements management (II)

Multidimensional prioritization of requirements

Multi project/product information models



Expression of variability and variation

Support of the variant creation process

iRequirePlus / weQuire (I)



expire date notifier

project tracker

dvd release notifier

free time manager

exam grade notifier

coding assistant

power saver

flight delay notifier

password manager

44 ideas

apartment finder

packet at postoffice
informer

building layout
generator

busbuddies

picture of uml
diagram to xml

process end notifier

translator (fed with
pictures)

etc

iRequirePlus / weQuire (II)



Simple

Quick

Capturing in situ



User
feedback

Generating
new ideas

iRequirePlus / weQuire (III)



Sorting

Edit/delete

Switching between
Map and List

Clicking on the row

Text marking in
Firefox

Cross-referencing

Only capture
possible

Search

Rating (only
newest)

Navigation



Summary



- Requirement management (RM) tools help to achieve the goals of systematic RM
- Perfectly suited RM tool according to our requirement list can be difficult to find

Questions

