



The benefits of using AIMMS 4

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AIMMS 4 – New Features

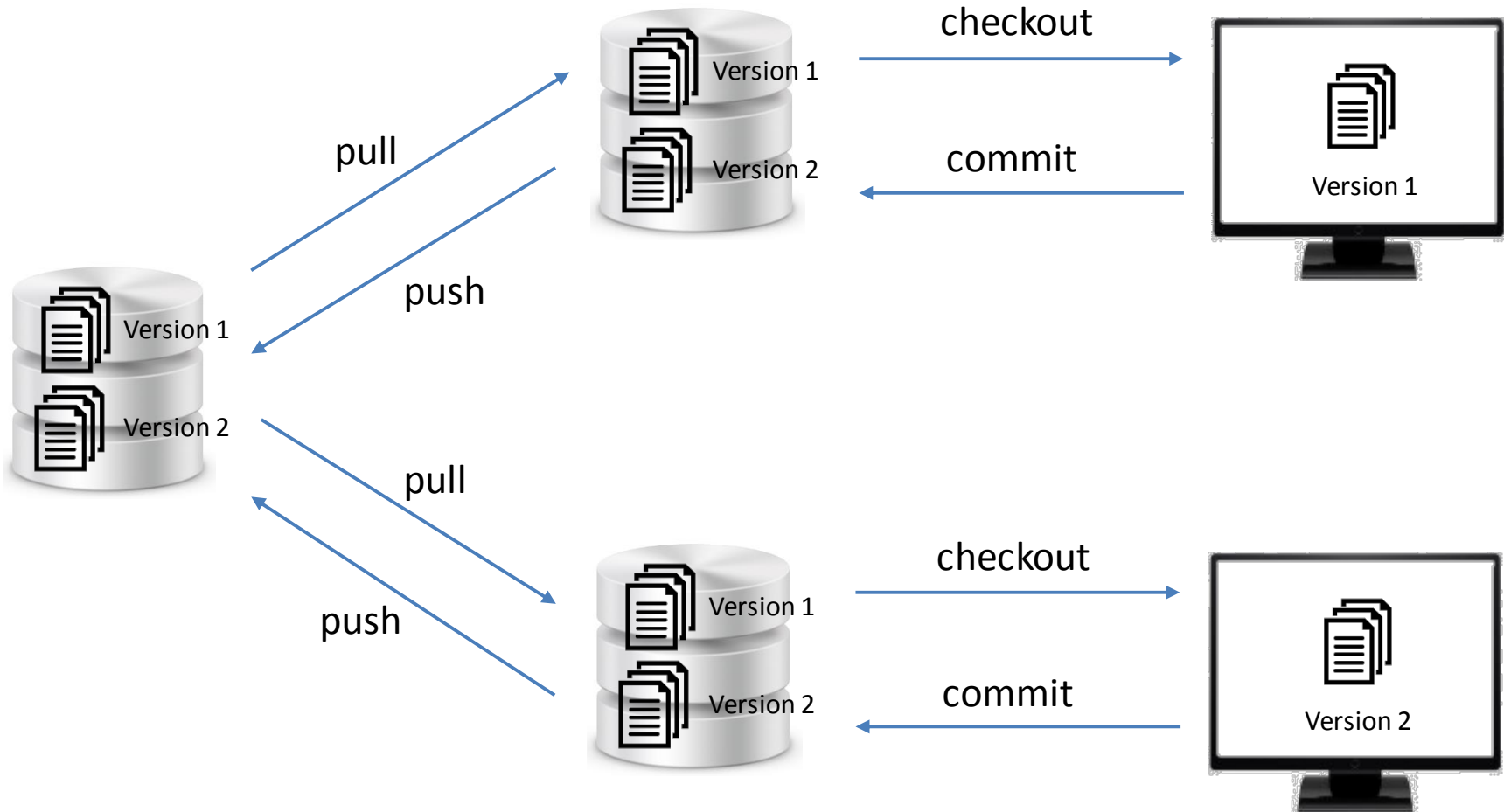
- Text Based Sources
- New Encryption Scheme
- Improved Linux Support
- File Based Data Management (by default)
- Improved Version of Excel Add-In
- ...

Overview of the Webinar

- Introduction to Version Control Systems
- Several Use Cases of How to Use Version Control with AIMMS
- Application Deployment

Version Control Systems

- Database that manages different versions of your source
- Allow you to
 - Have different versions of your source
 - Commit and roll-back changes easily
 - Collaborate with a team on a single source
 - Merge changes from different team members
 - Back up your sources (and history) easily
 - Doing new developments in an isolated environment
- Examples : [SVN](#), [TFS](#), [Git](#)




Public Repo

Local Repo

Local Workspace

Migration to AIMMS 4

- Automatic conversion from AIMMS 3 projects to text-based
- Add newly created text-based sources to version control
- No VCS integration in AIMMS (yet)
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Version Control Example 1

Amy, a new colleague, joins the team

- Amy creates initial clone of project source
- Amy inspect history
- Amy extends model and adapts bar chart
- Amy commits and pushes changes
- Zack pulls and inspects Amy's changes
- Zack decides to revert the extension of the model



Version Control Example 2

Amy and Zack are both working on implementing a new feature

- Amy renames identifier
- Amy commits and pushes changes
- Zack renames same identifier
- Zack pulls and resolves conflict
- Zack commits and pushes resolved conflict
- Amy pulls



Version Control Example 3

Multiple product extension will be developed in separate branch

- Amy creates new branch with support for multiple product
- Zack continues improving the product
- Zack merges Amy's branch into master



Deploying your application

- AIMMS can export your application as a single file, encrypted *aimmspack* file
- *aimmspack* files are always encrypted and cannot be decrypted to readable source anymore, only runtime access is possible
- *aimmspack* files can be
 - Distributed directly to you end-users
 - Published on a PRO server



Encrypting your application

- *aimmspack* files are encrypted using AES encryption
- Standard encryption
- Password based encryption
- Key based encryption
- Can be specified on a per-library basis
- Runtime access can even be restricted to specific license number only
- Support for encryption using VAR licenses is discontinued

Key based encryption

- Public/private key pair can/should be generated by AIMMS
- Access is only allowed if you have access to the correct private key
- Possibility to encrypt against multiple public keys
- Client can generate his own private key
- You can generate a set of key pairs yourself and distribute them as a kind of application license



AIMMS webinar series

- Business webinars and Product Training webinars
- The next webinar in this series, titled “*How to blow away your users with the pivot table*”, will be presented by Peter Nieuwesteeg, Senior AIMMS Specialist.
- Join us on August 20, 2014:
 - 10 AM CET and
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- More info on <http://www.aimms.com/news-events/webinars/>