

IBM Research, Tokyo Research Laboratory

Semantic Fine-grained Data Provenance Tracking

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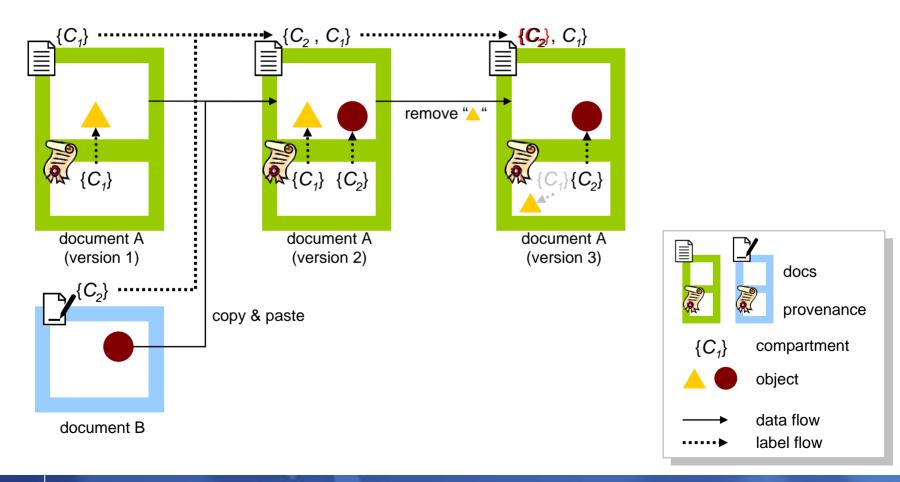
Works in Progress, ACSAC 2006

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Fine-grained Sticky Provenance for Enterprise Documents

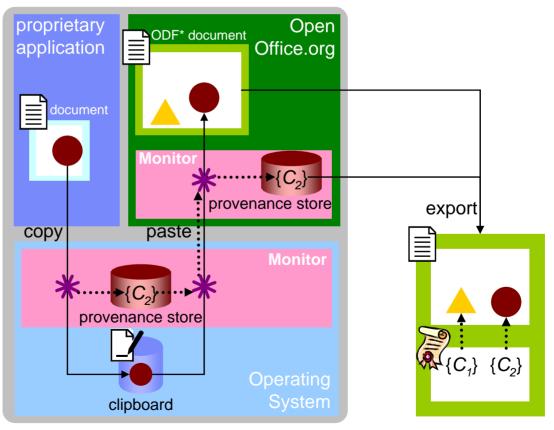
- Label to objects, and labels to their containers (files) according to the object labels
- Track provenance (modifiers, changes, etc.) of contents
- Attach provenance to the container itself (sticky provenance)

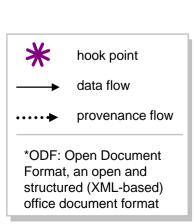




Provenance monitors in multiple layers

- Use multiple provenance monitors
 - fine and wide provenance can be tracked
 - provenance monitors run collaboratively







thank you

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