LAMS: Building a Localization Tool for Everybody

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Thanks for having me back!

"A bit dry."

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"High potential for dullness"

LAMS

- LAMS is our Localized Asset Management System
- We've used it on a lot of projects.



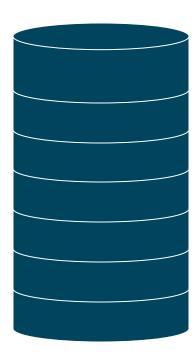
System Features

- Change Management
- Flexibility
- Automation

Change Management

Change Management

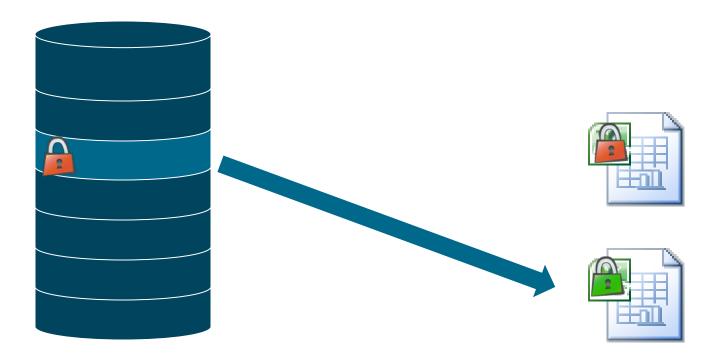
- Clashes between users.
 - Merge Changes
 - Prevent clashes
- The Consequences of their changes.

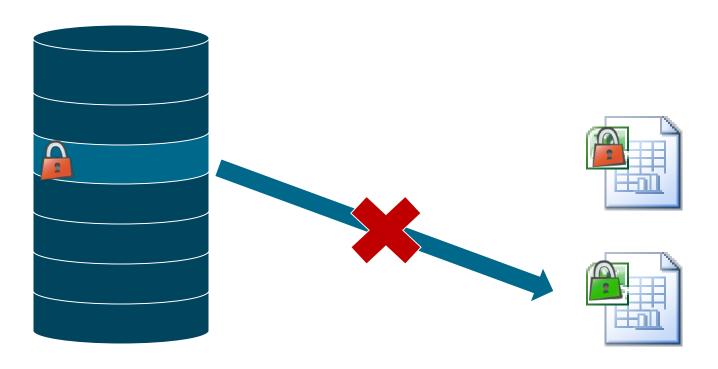




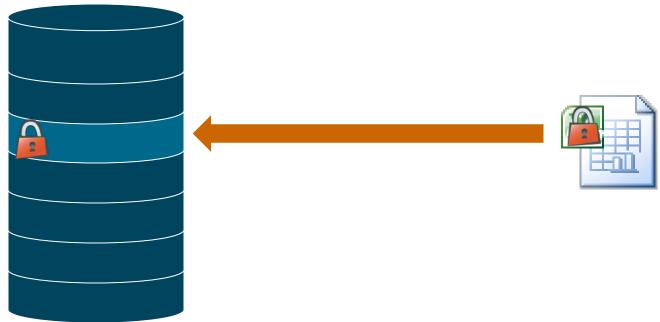




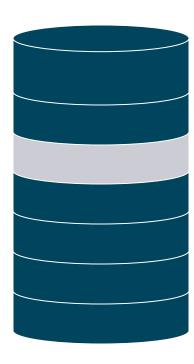




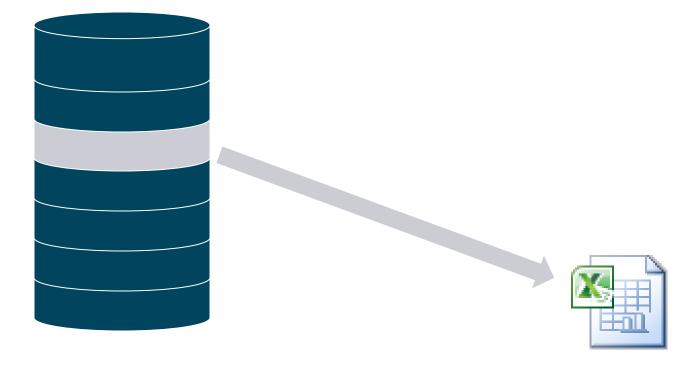


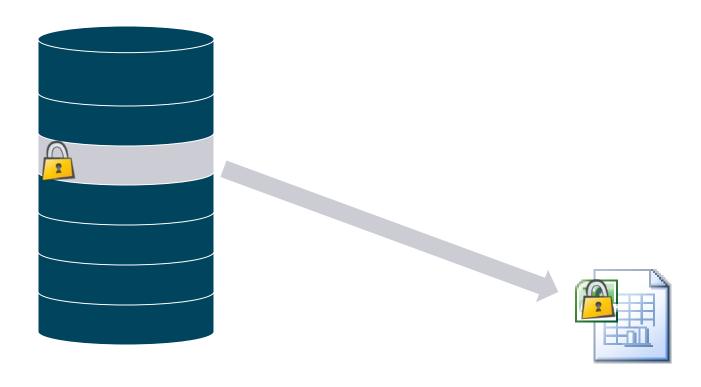


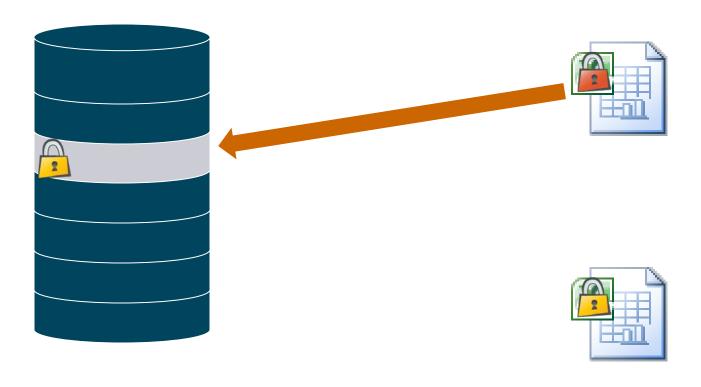


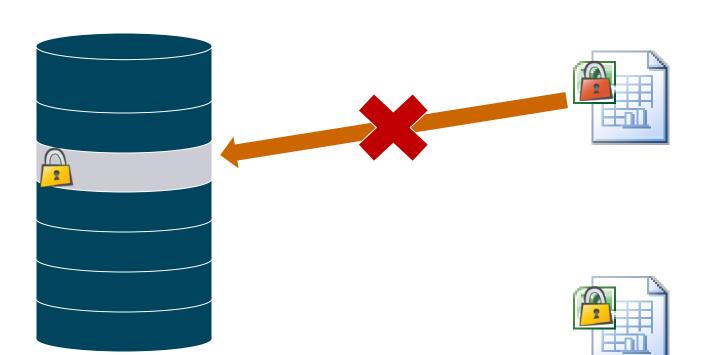


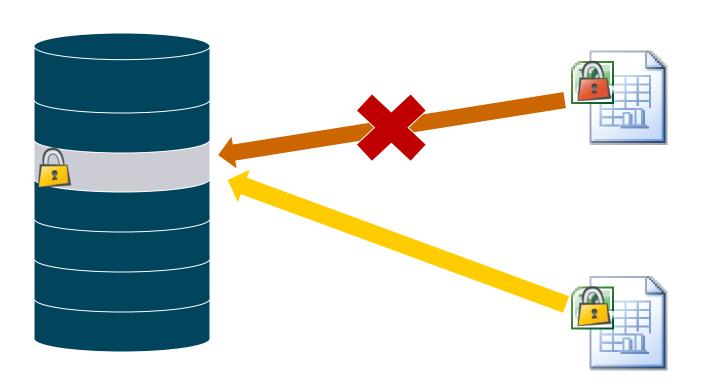
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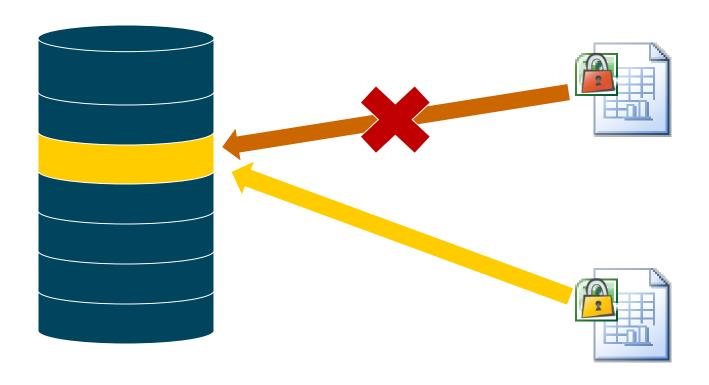












Change Management - Locks

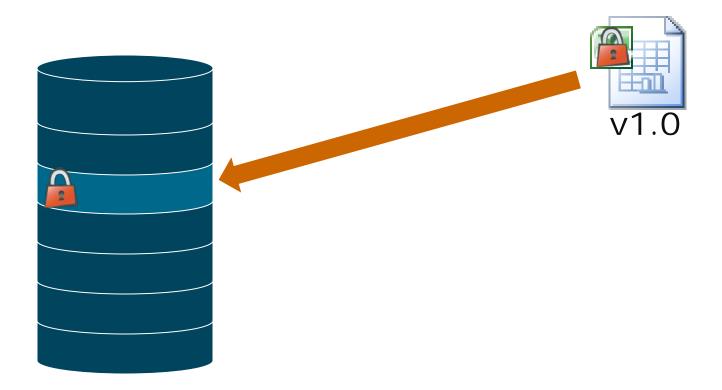
- Make clashes impossible.
- Prevent stale updates.
- Tracks Translation validity.

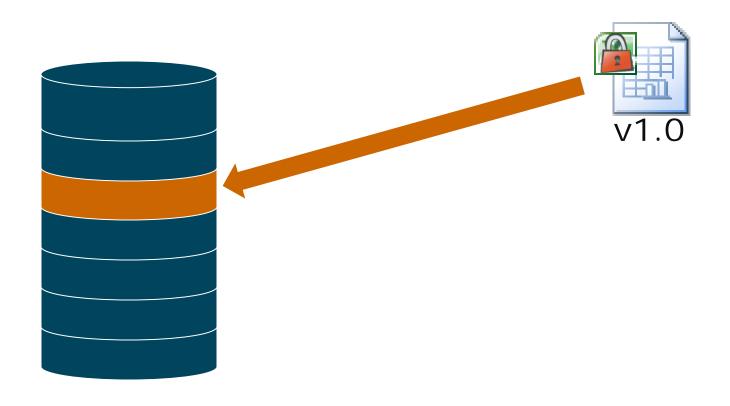
Mon	Tue	Wed	Thu	Fri	Sat	Sun
24 Feb	25	26	27	28	1 Mar	02
03	04	05	06	07	08	09
10	Source Updated	12	13	14	15	16
17	18	19	Translations Uploaded	21	22	23
24		26	27	28	29	30
31	1 Apr	02	03	04	05	06

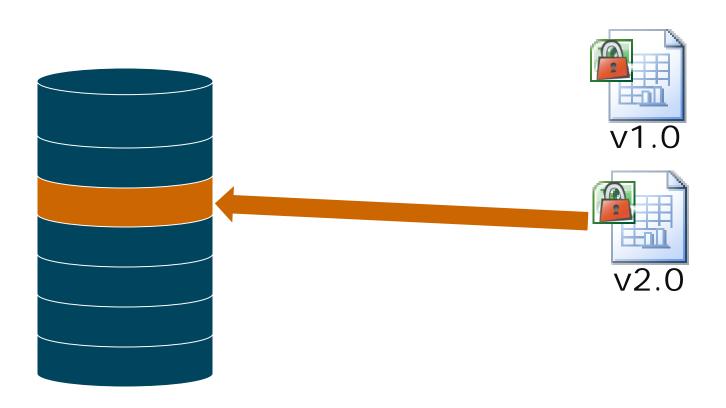
√ March 2014						
Mon	Tue	Wed	Thu	Fri	Sat	Sun
24 Feb	25	26	27	28	1 Mar	02
03	04	05	06	07	08	09
Translations Locked	Source Updated	12	13	14	15	16
17	18	19	Translations Uploaded	21	22	23
24	25	26	27	28	29	30
31	1 Apr	02	03	04	05	06

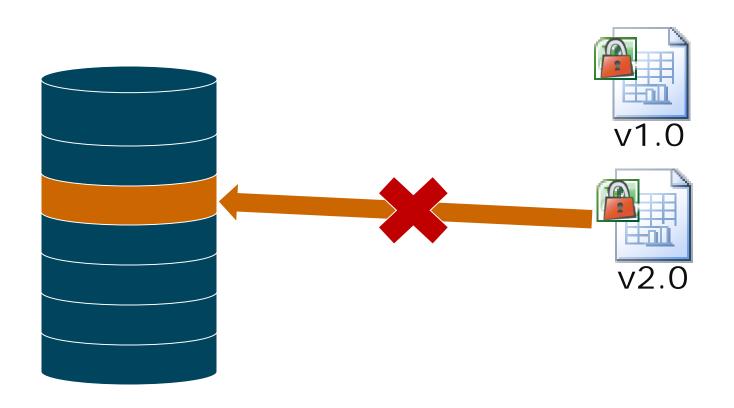
Change Management

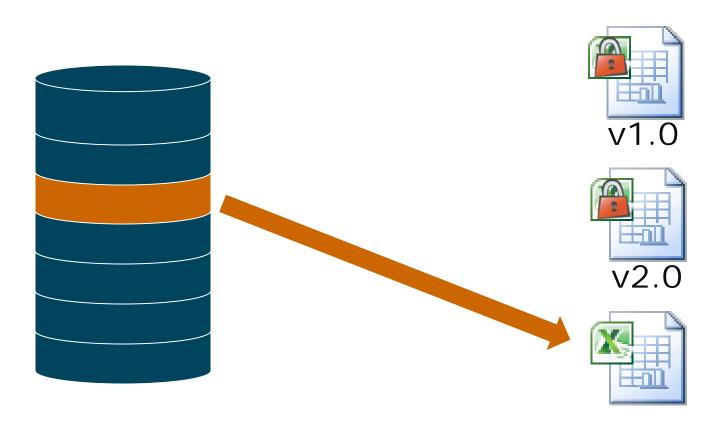
Updates to old files were a problem.



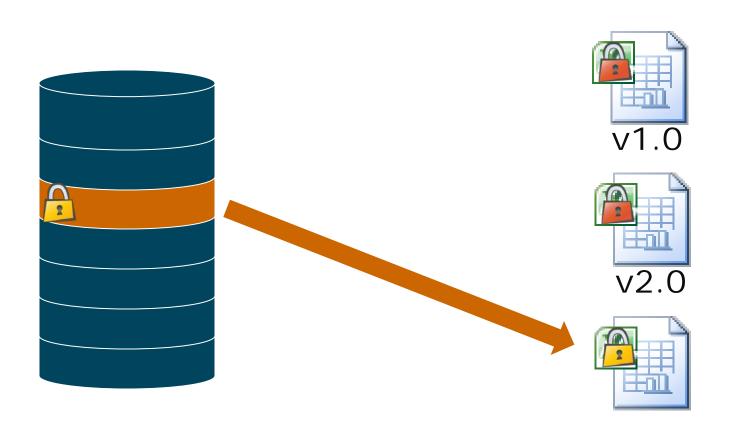


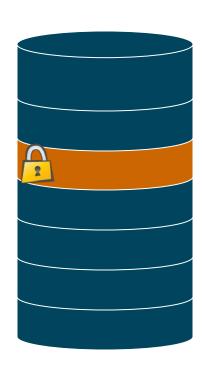


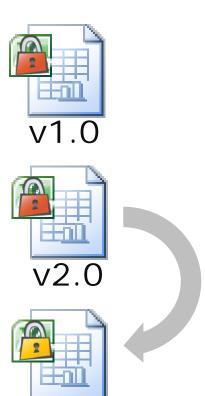


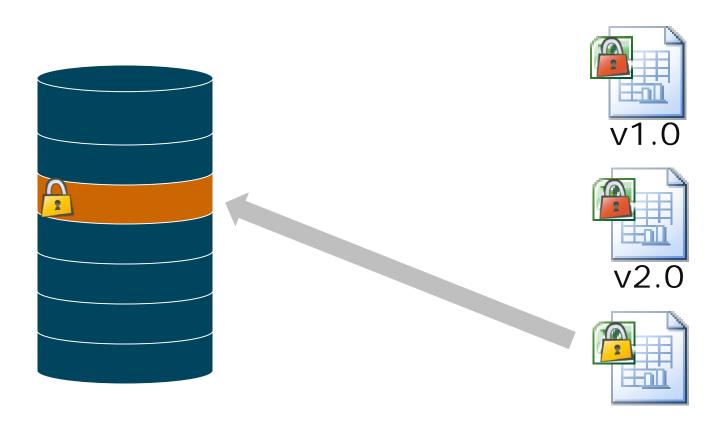


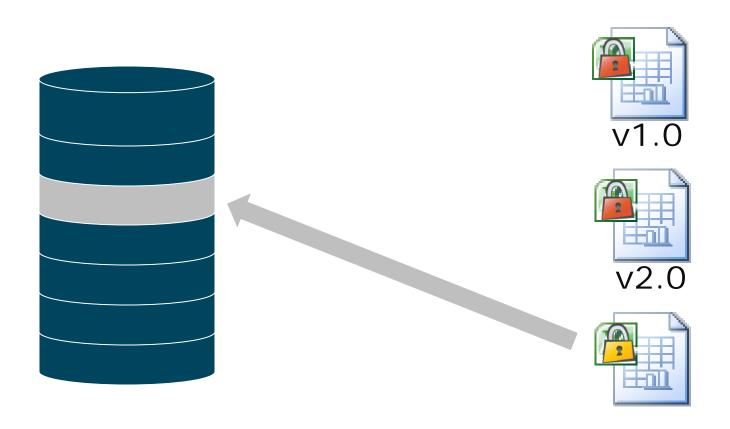




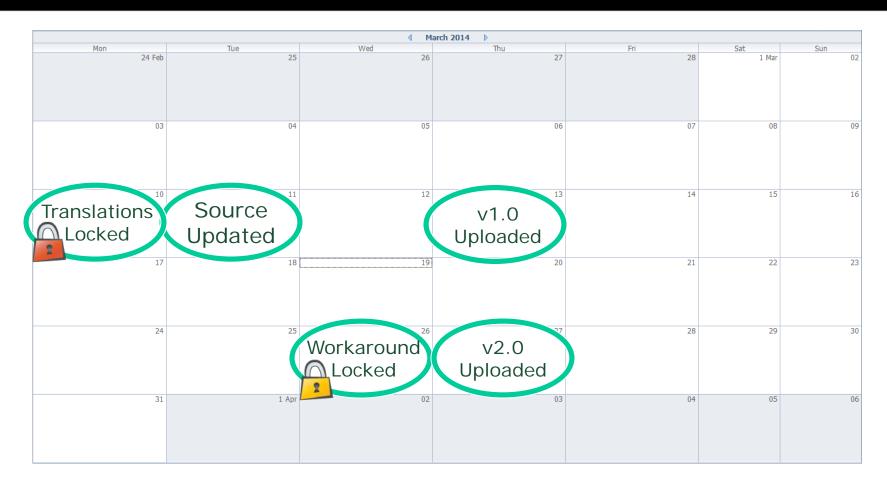








Mon	Tue	Wed	Thu	Fri	Sat	Sun
24 Feb	25	26	27	28	1 Mar	02
03	04	05	06	07	08	09
Translations Locked	Source Updated	12	v1.0 Uploaded	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	1 Apr	02	03	04	05	06



Change Management

- Allow old locks to be restored.
- Exclude translations that had changed.

Change Management - Summary

- Be firm
- Be robust
- Leave the back door open.

Flexibility

- Of Interface
- Of Data

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- Of Assets
- Of Process

Flexibility

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- Different projects
- Different user groups

French

Flexibility - Interface

Maximum Source Comment Character Source Line Count we are in the hallway outside Diggs's office. Sax music. OUTSIDE DIGGS' OFFI Spread 1-1 We are in the hallw Name's 業で Outside Diggs' Office detectiv でい <script version="1.000"> す。 Diggs の サカ。 そ cutscene paid ne + cproperties> v.o. Name's Ni + <flag types> Outside Diggs' Office Nightcray <editlocks/> We see detective + <link types> alone, wo Diggs N - <body> paid next is for pr - <section last_modified="2013-12-03 14:43:33" name="Spread 1-1" is_remote_fed="false" id="2" seq="0"> れは、そこには栄光がそれ <flags/> dx_c1s1_Diggs_01 Now we € We see the title ap <sections/> 77 Please ensure Diggs' name is consistent the Diggs Nightcrawler - <subsection last modified="2013-12-03 14:43:33" name="Outside Diggs' Office" is remote fed="false"</p> type="cutscene" id="5" seq="0"> Now we're just outs <flags/> + <description> - <dialogue character="Diggs"> Name's Nightcrawler... Dig Humpty + < direction > V.O. ではな me a let - <script line seq="1" location="Outside Diggs' Office"> Humpty Du - <source is_remote_fed="false" id="3" seq="1" is_redundant="false"</p> City, and BOOK at should_be_translated="True" unique_name="dx_c1s1_Diggs_01"> letter. 1 An indic when the We see the <text xml:space="preserve" modified="2013-12-03 14:43:33">Name's Nightcrawler... さらに少 rang the doorbel Diggs Nightcrawler. I'm a private detective. Which means I live alone, work long hours, and get paid next to nothing. That's how it is for private talent. </text> An indicator instru dx_c1s1_Diggs_02 doorbell outside Di ない <flag name="Source Comment" xml:space="preserve" icon="comment.png" bell rings. 77 Please ensure Humpty's name is consister 給料、孤独な Diggs type="text" date="2013-12-03 14:43:33" user="LAMS Sys Admin" active="true" present tense. In English 'SHAKE the book' an dirty="False" edit="false">Please ensure Diggs' name is consistent If the pl throughout. "Nightcrawler...Diggs Nightcrawler" is like "Bond...James Bond". then Dig "Paid next to nothing" is an expression meaning hardly paid anything at Who's o all.</flag> Dialo Diggs THE BOO Humpty Dumpty, the Don of </flags> The door

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English Filename

Subsection

Unique Name

Section

English

Flexibility - Interface

Post processing Performance Character

Characte	r Source	Maximum Line Count	Source Comment	French
	we are in the hallway outside Diggs's office. Sax music.			
Diggs	Name's Nightcrawler Diggs Nightcrawler. I'm a private detective. Which means I live alone, work long hours, and get paid next to nothing. That's how it is for private talent.	3	Please ensure Diggs' name is consistent throughout. "NightcrawlerDiggs Nightcrawler" is like "BondJames Bond". "Paid next to nothing" is an expression meaning hardly paid anything at all.	Je suis Nightcrawler Diggs Nightcrawler. Profession : détective. En gros, je vis tout seul, je travaille très dur et je suis payé des cacahuètes. C'est comme ça que ça marche pour les privés.
	We see the title appear on the front cover of the Wonderbook: Diggs Nightcrawler "WHO BUMPED THE DUMPTY?"			

Section	Jubaection	onique name	i ost processing	1 chominance	Ciluitactei	Liigiisii	Liigiisii i ileilaille
						Name's Nightcrawler Diggs Nightcrawler. I'm a private	
						detective. Which means I live alone, work long hours, and get	
Spread 1-1	Outside Diggs' Office	dx_c1s1_Diggs_01	Clean	Normal	Diggs	paid next to nothing. That's how it is for private talent.	sourcespeech\Outside Diggs' Office\dx_c1s1_Diggs_01_en.wav
						Humpty Dumpty, the Don of Library City, and my pal, had sent	
						me a letter. I was just about to read it when the kid SHOOK THE	
Spread 1-1	Outside Diggs' Office	dx_c1s1_Diggs_02	Clean	Normal	Diggs	BOOK and rang the doorbell.	sourcespeech\Outside Diggs' Office\dx_c1s1_Diggs_02_en.wav
						The door's open. Why dontcha ROTATE THE BOOK and come in?	
Spread 1-1	Outside Diggs' Office	dx_c1s1_Diggs_03	Clean	Shouting	Diggs	Hmmm?	sourcespeech\Outside Diggs' Office\dx_c1s1_Diggs_03_en.wav
						Who's out there? You gonna stand out there all day? ROTATE	
Spread 1-1	Outside Diggs' Office	dx_c1s1_Diggs_04	Clean	Normal	Diggs	THE BOOK and come in.	sourcespeech\Outside Diggs' Office\dx_c1s1_Diggs_04_en.wav
						What do you want, kid? Can't you see I'm busy?	
						So you're the one Humpty mentioned, in his letter. He seems to	
						think someone is trying to bump him off. Humpty says I gotta	
Spread 1-1	Diggs' Office	dx_c1s1_Diggs_05	Clean	Normal	Diggs	bring you with me, to help me help him.	sourcespeech\Diggs' Office\dx_c1s1_Diggs_05_en.wav
						Do me a favour and switch off the light. Things might get messy	
Spread 1-1	Diggs' Office	dx_c1s1_Diggs_06	Clean	Normal	Diggs	and, uh, I don't know who's watching.	sourcespeech\Diggs' Office\dx_c1s1_Diggs_06_en.wav

• Flags - Metadata

- Flags Metadata
 - System Information
 - Development & Localization Process

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- Automatically set flags
- Automatically update flags

- Automatically set flags
- Automatically update flags

Source	French	Reviewed by QA
Hello	Salut!	No
Goodbye	Au revoir	No

- Automatically set flags
- Automatically update flags

Source	French	Reviewed by QA
Hello	Salut!	Yes
Goodbye	Au revoir	Yes

- Automatically set flags
- Automatically update flags

Source	French	Reviewed by QA
Hello	Bonjour	Yes
Goodbye	Au revoir	Yes

- Automatically set flags
- Automatically update flags

Source	French	Reviewed by QA
Hello	Bonjour	No
Goodbye	Au revoir	Yes

- Teams define the naming convention
- Hardcoded_path\[LanguageName]\[UniqueName]_[LanguageCode].wav
- LAMS enforces it.

Source

source_path\[LanguageName]\[UniqueName]_[LanguageCode].wav

Processed

processed_path\[LanguageName]\[PostProcessing]\[UniqueName].wav

Game

game_path\[LanguageName]\[UniqueName].mp3

Source

- source_path\[LanguageName]\[UniqueName]_[LanguageCode].wav
- source_path\German\m_vor_ohnocop_01_hro_de.wav

Processed

- processed_path\[LanguageName]\[PostProcessing]\[UniqueName].wav
- processed_path\German\Radio\m_vor_ohnocop_01_hro.wav

- game_path\[LanguageName]\[UniqueName].mp3
- game_path\German\m_vor_ohnocop_01_hro.mp3

Source

- source_path\[LanguageName]\[UniqueName]_[LanguageCode].wav
- source_path\German\m_vor_ohnocop_01_hro_de.wav

Processed

- processed_path\[LanguageName]\[PostProcessing]\[UniqueName].wav
- processed_path\German\Radio\m_vor_ohnocop_01_hro.wav

- game_path\[LanguageName]\[UniqueName].mp3
- game_path\German\m_vor_ohnocop_01_hro.mp3

Source

- source_path\[LanguageName]\[UniqueName]_[LanguageCode].wav
- source_path\German\m_vor_ohnocop_01_hro_de.wav

Processed

- processed_path\[LanguageName]\[PostProcessing]\[UniqueName].wav
- processed_path\German\Radio\m_vor_ohnocop_01_hro.wav

- game_path\[LanguageName]\[UniqueName].mp3
- game_path\German\m_vor_ohnocop_01_hro.mp3

Source

- source_path\[LanguageName]\[UniqueName]_[LanguageCode].wav
- source_path\German\m_vor_ohnocop_01_hro_de.wav

Processed

- processed_path\[LanguageName]\[PostProcessing]\[UniqueName].wav
- processed_path\German\Radio\m_vor_ohnocop_01_hro.wav

- game_path\[LanguageName]\[UniqueName].mp3
- game_path\German\m_vor_ohnocop_01_hro.mp3

Source

- source_path\[LanguageName]\[UniqueName]_[LanguageCode].wav
- source_path\German\m_vor_ohnocop_01_hro_de.wav

Processed

- processed_path\[LanguageName]\[PostProcessing]\[UniqueName].wav
- processed_path\German\Radio\m_vor_ohnocop_01_hro.wav

- game_path\[LanguageName]\[UniqueName].mp3
- game_path\German\m_vor_ohnocop_01_hro.mp3

Flexibility - Process

- Event driven system
- Custom behavior for project specific processing.

Flexibility - Process

- Event driven system
- Custom behavior for project specific processing.



Flexibility - Summary

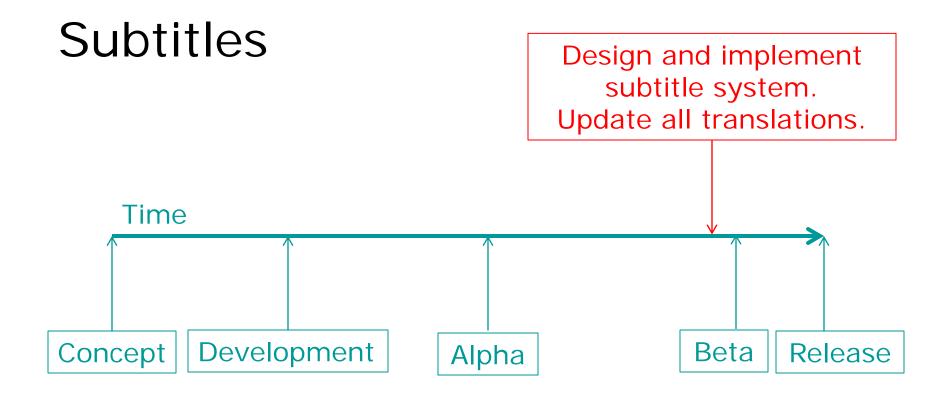
- Empower your users
- A modular system pairs flexibility with reuse.

Speech generation

Automation

- Speech generation
- Validation & Error checking
- Subtitles

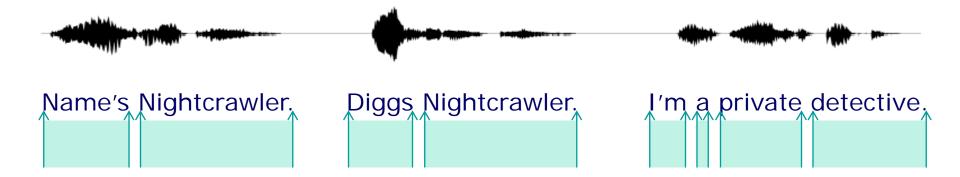
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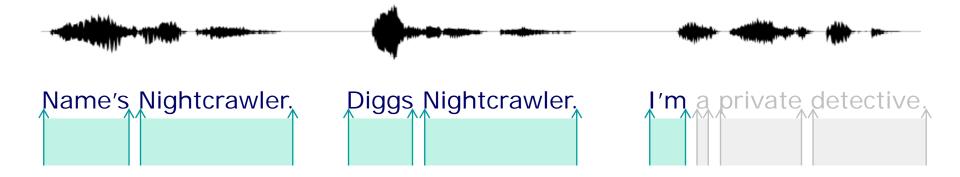


Subtitles

- Standard format in LAMS
- Automatically break lines.











Start	Stop	Text
150	2750	Name's Nightcrawler. Diggs Nightcrawler. I'm
2750	3949	a private detective.

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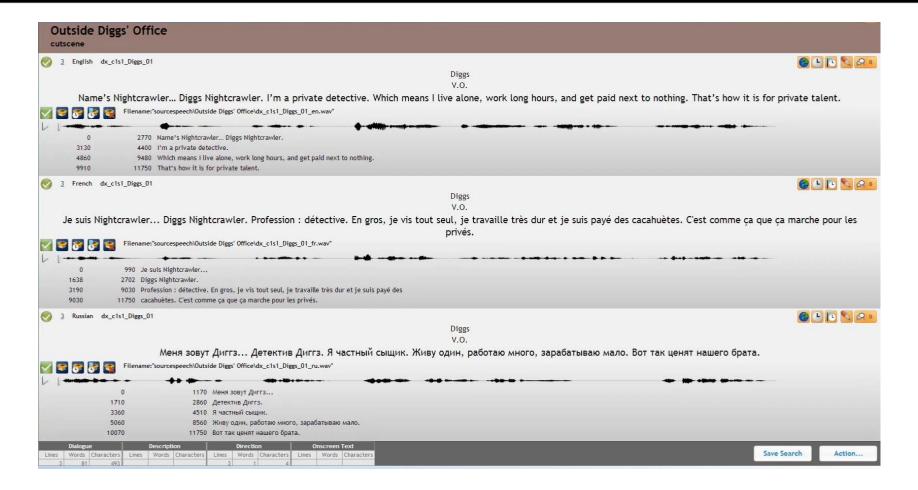


Start	Stop	Text
150	2750	Name's Nightcrawler. Diggs Nightcrawler. I'm
2750	3949	a private detective.

MARCH 17-21, 2014



Start	Stop	Text
150	1500	Name's Nightcrawler.
1600	2600	Diggs Nightcrawler.
2700	3949	I'm a private detective.



Subtitles - Problems



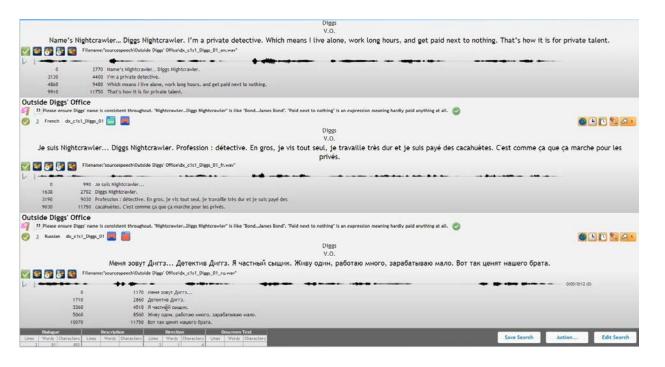
- Speech recognition problems
- Editing and tweaking made easy
 - Weeks to fix

Subtitles - Problems

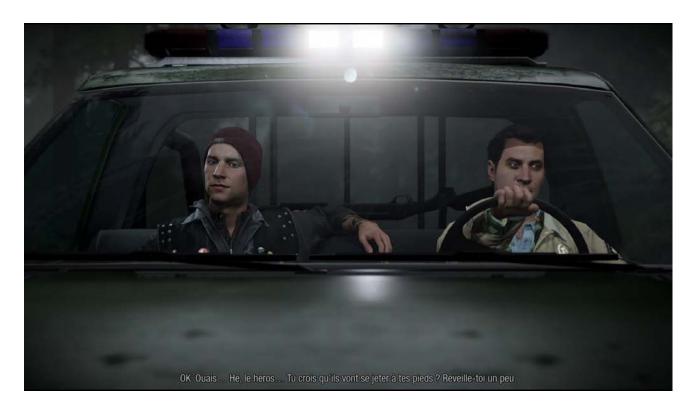


- Speech recognition problems
- Editing and tweaking made easy
 - Weeks to fix 2 days to fix

Subtitles - Editing



Subtitles - Results



Automation - Summary

- A virtuous circle of automation
- Doesn't have to be perfect
- Tweaking is faster than starting from scratch

Conclusion

- Good tools get the best from their users
- Let them work in their way
- Protect their work
- Don't waste their talent.