

Private overlay of enterprise social data and interactions in the public web context

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Enterprise social software

What are the problems?

- 4 Poor adoption
- 4 Privacy threat
- 4 No persistence
- 4 Fragmentation

How to solve them?

- Integration of existing behavior
- 2. Separation of data and application
- 3. User in control of her data

What is Living Content?

In this talk...

- 1. What is the problem?
- 2. What are the use cases?
- 3. What is living content?
- 4. What does the project do?
- 5. What are the challenges?

What are the use cases?

Web Annotations

Private data in the context of public web pages

Virtual Presence

And messaging on any third-party web page

Enhance Page

By injecting presence, click-to-call or enterprise profile

Enhance Apps

Using user and data-centric application model

Use cases: web annotations

private social data on public web – data remains private

Sales team on customer website

Sharing business knowledge

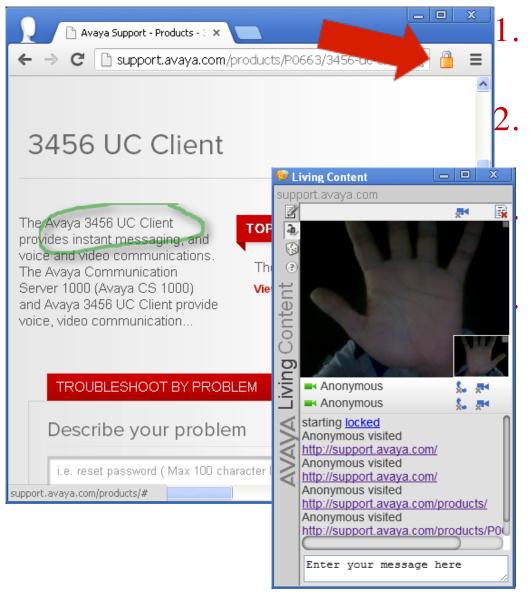
. Job interviewers on the job advertisement web page

4. Overlay on public knowledge



Use cases: virtual presence

connected browsing with multimedia on any web page



Customer support and training

Zero-conf department meetings

Online job interview and candidates queue

Listen to user comments on any owned web page

Use cases: enhance web pages

without modifying files on those web servers

- 1. Annotate department webpage with lab webcam
- 2. Interaction in corporate or public social directory
- 3. Testers and developers coordinate on bug tracker page
- 4. Collate employee data and profile



Use cases: enhance application

or use cases such as collaborative editing, social wall, ...



Enterprise user profile on social network sites

Co-edit technical documents

Personal wall for social connect

Context driven personal wall

Connect with existing cloud apps

What is living content?

- 4 A project... A web page... 4 A browser extension... "Collaboration allows content", "Content allows collaboration" "Go to a place to collaborate"
- "Collaborate where ever you are"

A rich (HTML5) document

can be sent, stored or put on a web site.

Allows editing and annotations by viewers

edits and annotations are shared

Allows interaction among viewers

interactions are stored

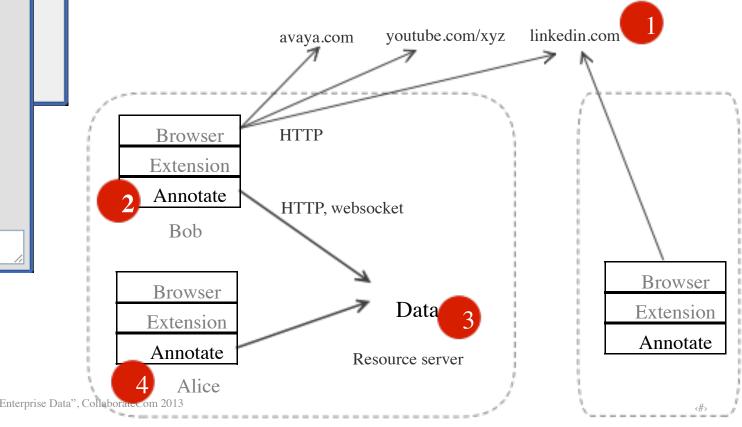
Allows branching the document view

with merging and sharing



How does it work?

- 4 A browser extension
- 4 Chat room and data context per web page or website
- 4 Conversation window



Demonstration

What just happened in the demo video?

- 4 Browser extension, resource server, WebSocket
- 4 Virtual presence, real-time multimedia interaction (WebRTC), text chat and file sharing
- 4 Web annotations, web context, co-editing
- 4 Enhance third-party web sites, presence, click-to-call
- 4 Personal wall, video presence and sharing

What are the important concepts?

- 1. Separation of data from application
- Resource application model
- App-logic runs in the browser
- Data storage is separately maintained and controlled
- 2. Generic browser extension to link context with data
 - Pluggable app framework
 - Individual app-logic launched on demand
- Annotate, interact, presence, notepad, co-browse, ...
- 3. Application mash-ups at the data level
- Data produced and consumed by independent unrelated apps
- Ask permission from the user instead of the app
 - Resource connectors to legacy apps where needed

What are the challenges?

- 4 Keeping app logic in the browser
- 4 User interface dynamic layout
- 4 Security, privacy, access control and groups
- 4 Enterprise policies to social data
- 4 Bootstrapping social profile
- 4 Context from content and visitor
- 4 Secondary web of annotations and interactions
- 4 Interoperating with existing systems
- 4 ... Many more questions are answered in the detailed paper Contact: singh173@avaya.com

What is the take-home message?

Enterprise social software

- 4 Poor adoption
- 4 Privacy threat
- 4 No persistence
- 4 Fragmentation

Solution

- Integration of existing behavior
- 2. Separation of data and application
- 3. User in control of her data

Thanks to HTML5 (WebSocket, WebRTC, etc.)

seemingly complex communication scenarios and applogic can run entirely in the browser