

AJCON, Applet to JSF Converter

Group Teaplet
Sponsored by Siemens EC

16.05.2011

Outline

- **Group Teaplet**
- Problem Definition
- Motivation & Solution
- System Components & Features
- Current State
- Conclusion

Group Teaplet

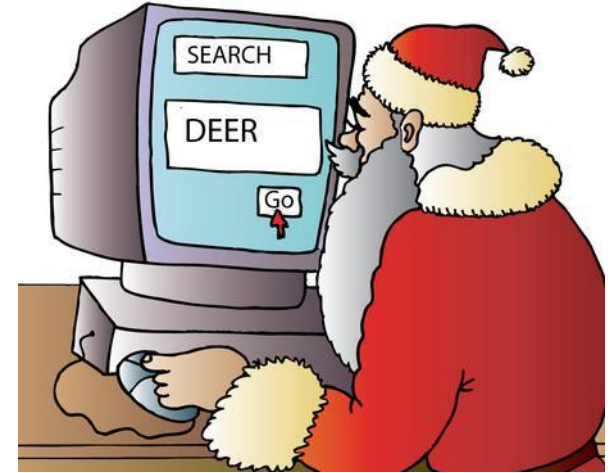
Berkan
Kısaoglu



Özge
Tokgöz



Anıl
Sevim



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Problem Definition

- Many Applet projects
- Disadvantages of Applet
 - Old technology
 - Plug-In and JRE Requirements (browsers)
 - Startup Performance
 - Client Security Settings Interference
 - Proxy Server Interference
 - ...

Problem Definition

New Technology...



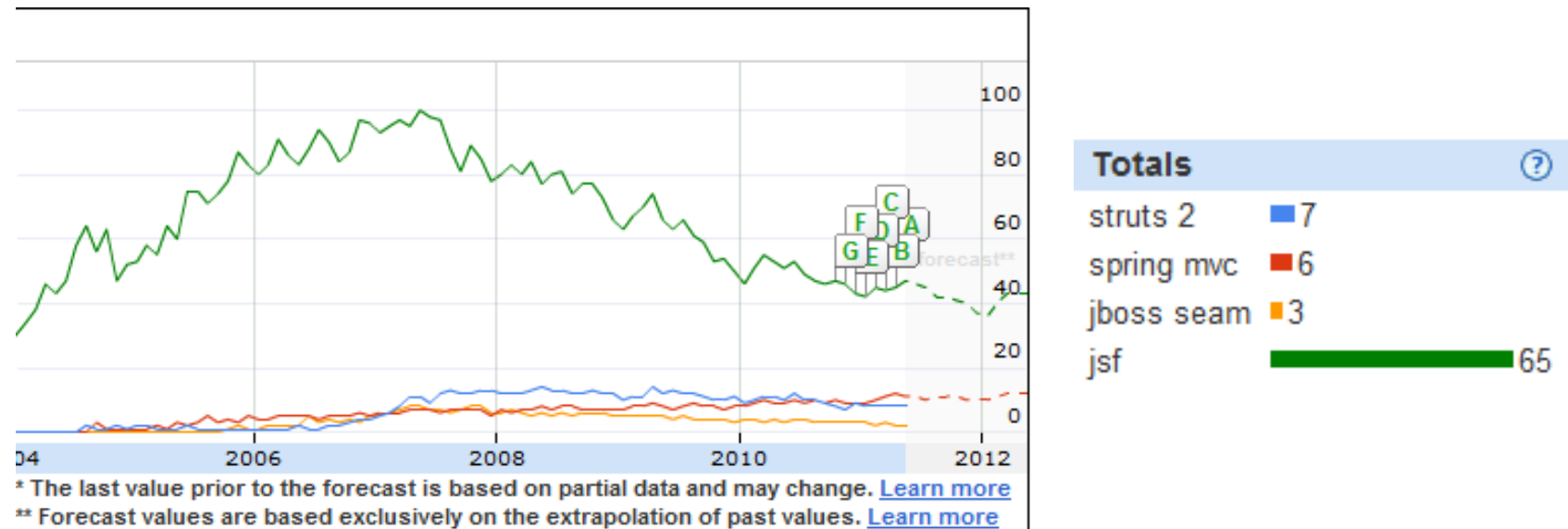
Problem Definition

Google Insights for Search
beta

Web Search Interest: struts 2, spring mvc, jboss seam, jsf

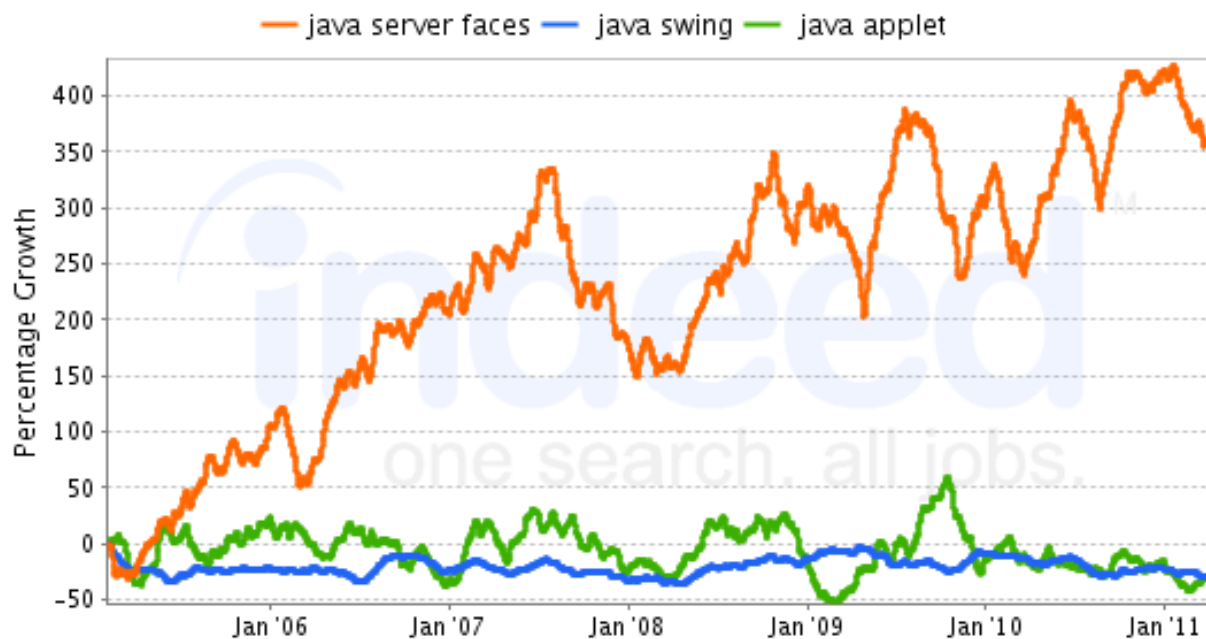
Worldwide, 2004 - present

Categories: [Computers & Electronics](#), [Industries](#), [Internet](#), [Society](#)



Problem Definition

Job Trends from Indeed.com



Problem Definition

- **Main Problem:** Much more effort required to convert Applet technology to JSF with manual approach

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Motivation & Solution

Aimed User Perspectives

- Developers
- Companies

Motivation & Solution

- **Developers**

- Developer tool

- Time saver (Ready-to-use JSF components)

Motivation & Solution

- **Companies**

- Money saver

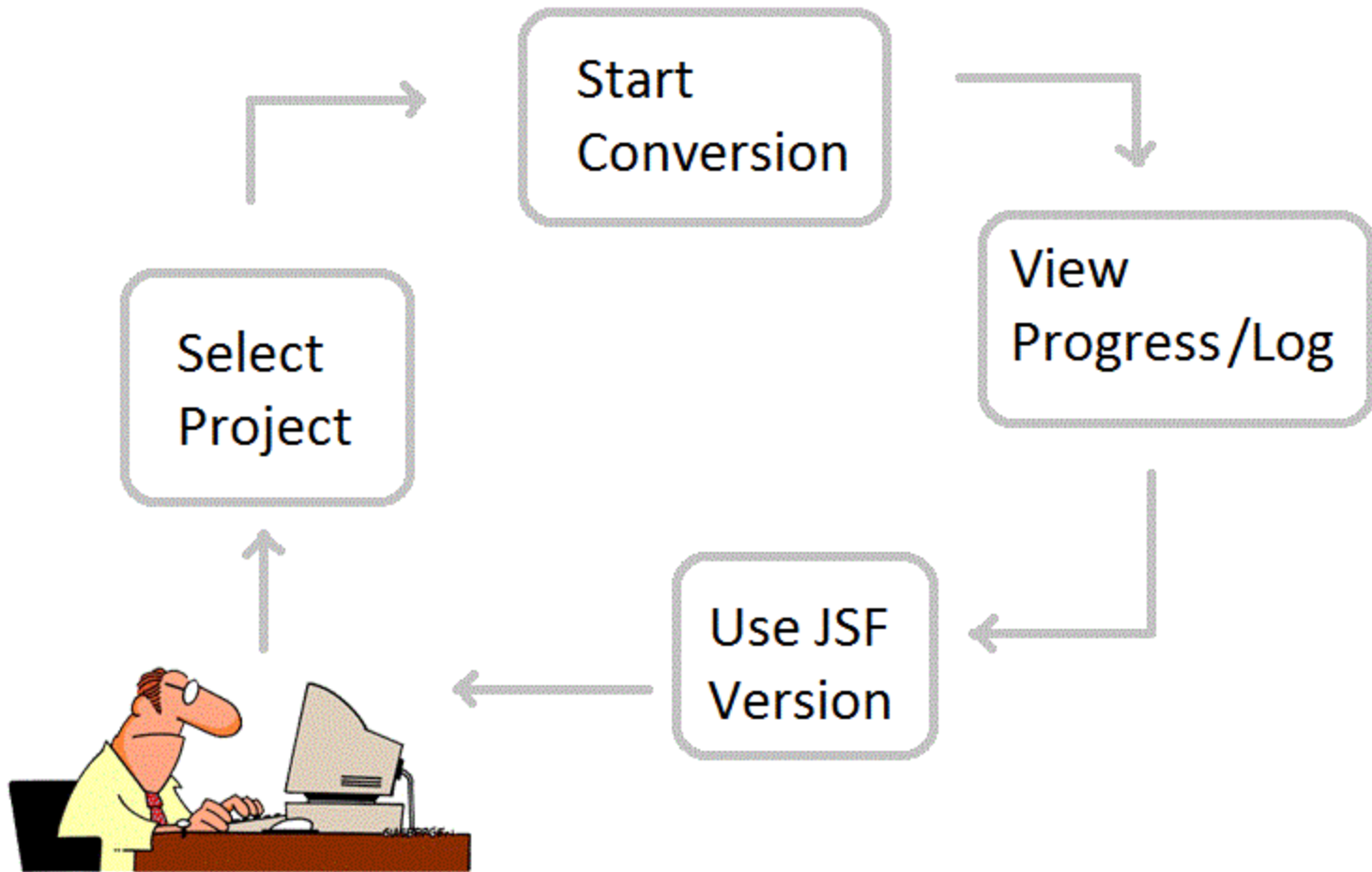
- Manpower saver

- Contemporary technology use(JSF >Applet)

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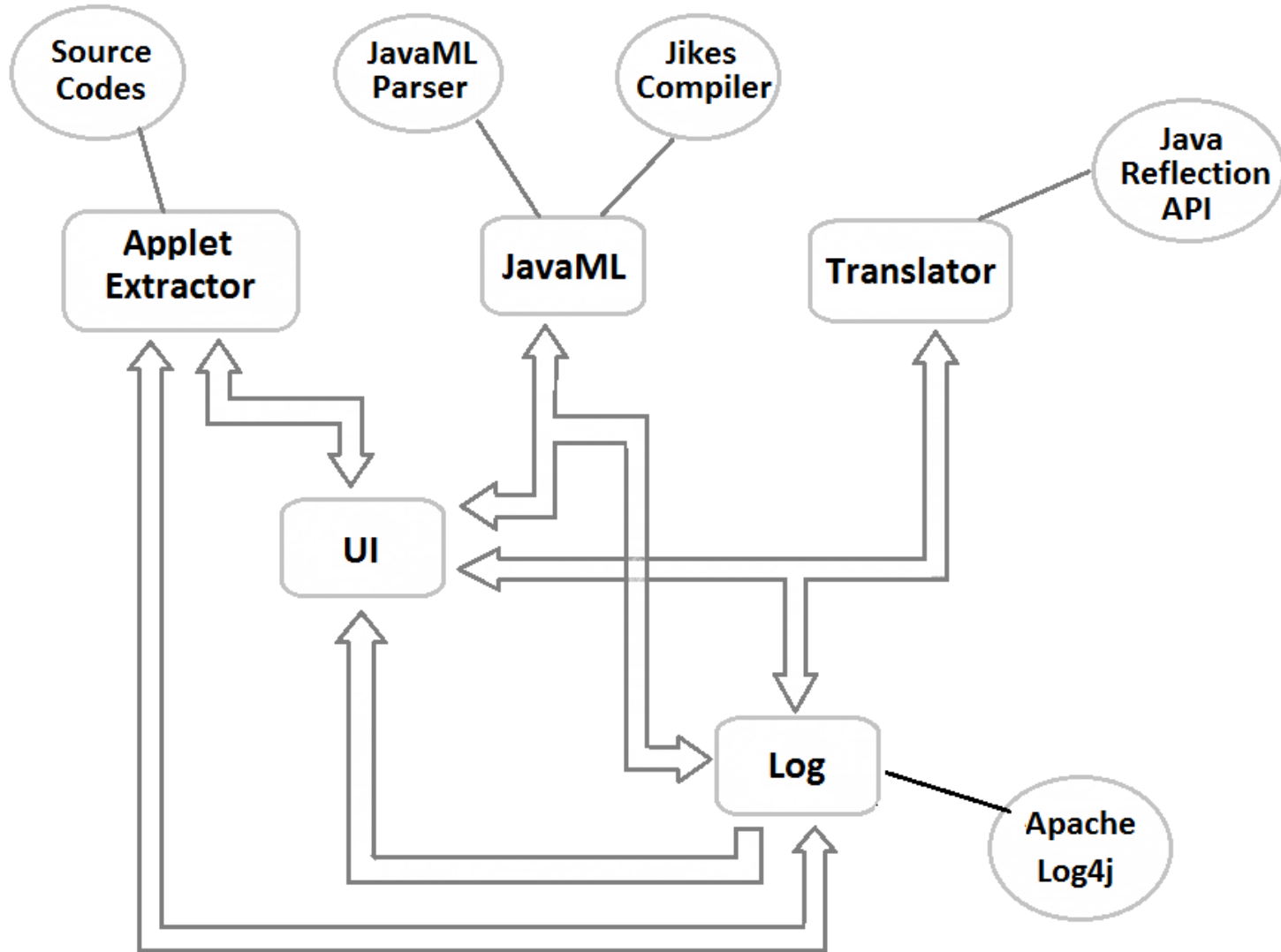
System Components & Features



System Components & Features

- UI Component
- Applet Extractor Component
- JavaML Component
- Translator Component
- Log Component

System Components & Features










System Components & Features

- Developer tool
- Desktop Application
- Simple GUI
- Multi-project conversion simultaneously
- Convert mostly used components up to a point
 - Buttons, textareas, checkboxes,...

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Current State

UI Component	
Applet Class Extractor Component	
Applet Class Extractor Integration	
JavaML Component	
JavaML Integration	
Log Component	
Log Component Integration	



Current State

Translator Component	
Translator Integration	
Multi-project Conversion	
Tutorial for Developers	
Plug-in for Development IDE's	
Final Package	



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Conclusion

- Problem defined, Java Applets vs Java Server Faces
- Aimed user perspectives
- System capabilities & technical features
- Current state on the project
- Conversion problem will be solved up to a point with AJCON project.

References

- http://en.wikipedia.org/wiki/Java_applet
- http://en.wikipedia.org/wiki/JavaServer_Faces
- <http://www.artima.com/forums/flat.jsp?forum=1&thread=120028>
- http://www.ehow.com/list_6513944_disadvantages-java-applets.html
- www.oracle.com
- <http://www.google.com/insights/search/#>
- <http://www.indeed.com/worldwide>
- Group Teaplet SDD

Questions



Thanks