Why Appex?

Challenges

- Web is moving very fast
- Client code is mostly Javascript • Many open source libraries
- Responsive client applications One click ≠ one page

HTML5/ECMAScripts/CSS3

Comet built-in (SSE)

• Support for Web sockets

Rich user interface

- Single page applications are GOOD! • Javascript integration into IDE
- Using cookies to manage sessions? How quaint, how nineties! (thank you, Kent Beck!)

Appex offers:

Javascript code editor

- Integrated with Smalltalk IDE
- Syntax and error highlighting • Object oriented JS with class
- What you write is what you get Minimum JS code generation
- Version control of your JS code

- Session Management Uses HTML sessionStorage object
- Depends where service methods are • Event notifications (HTML5

Cincom Systems, Inc. Jerry Kott, Senior Software Engineer

AppeX

A framework for the development of HTML5 and Javascript web applications

Let the show begin!

• Asynchronous processes

Questions

Suzanne Fortman: sfortman@cincom.com Arden Thomas: athomas@cincom.com Talk to us! Jerry Kott: jkott@cincom.com © 2014 Cincom Systems, Inc.



Cincom Systems, Inc.

Jerry Kott, Senior Software Engineer

AppeX

A framework for the development of HTML5 and Javascript web applications

About this presentation:

- A web application
- Developed with AppeX
- With the use of impress.js
- Play it live: http://dhcp-172-17-28 228.wrd.wireless.private.cam.ac.uk:9999/



Let the show begin!



Why AppeX?

Cincom Systems, Inc.

Jerry Kott, Senior Software Engine

AppeX



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State of the art

Issues

IDEs not appealing to non-

Issues

- IDEs not appealing to non-Smalltalkers
- Large pool of talented web developers untapped
- Frameworks are big
- Slow in catching up with JS libraries
- Debugging in the web browser is hard



- Slow ith catching up with JS libraries
- Debugging in the web browser is hard

- Single application per server
- Have to know HTML5 & JS...
 ...and how they are wrapped in Smalltalk
- Integration with other services is hard (e.g., WS)



HTML5 / ECMAScript5 / CSS3

- Comet built-in (SSE)
- Support for web sockets
- Rich user interface
- Asynchronous processes



AppeX offers:

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AppeX

A framework for the development



Javascript code editor

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- Object oriented JS with class hierarchy
- What you write is what you get
- Minimum JS code generation
- Version control of your JS code



Session Management

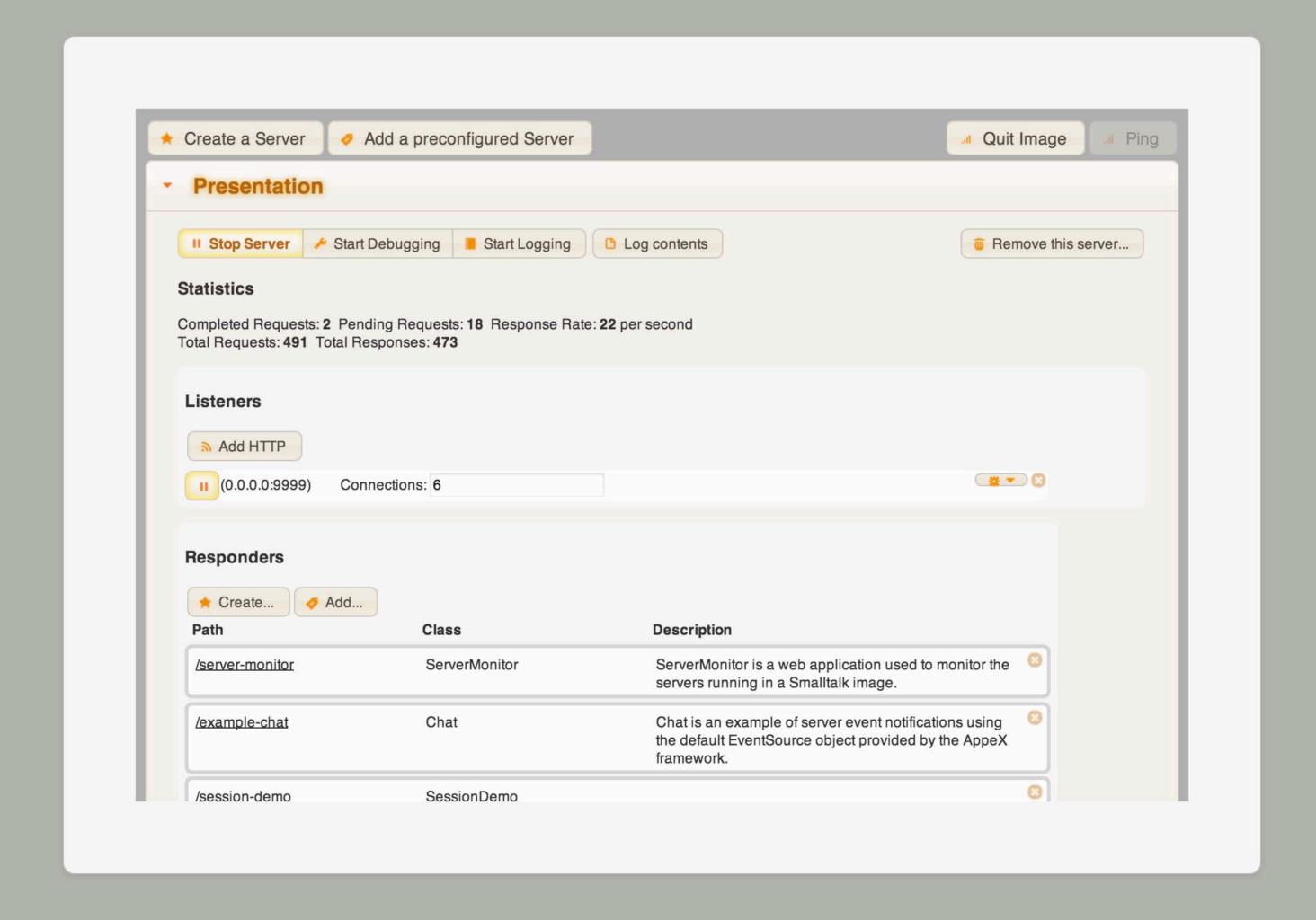
- Uses HTML sessionStorage object
- Automatic activation
- Depends where service methods are
- Event notifications (HTML5
 EventSource)

Application class

- Fits into SiouX Responder hierarchy
 - * SiouX presentation: tomorrow at 2:30 pm
- Represents the server side
- Instances are "sessions"
- Maintains application state
- Sends server events to client

ApplicationClient class

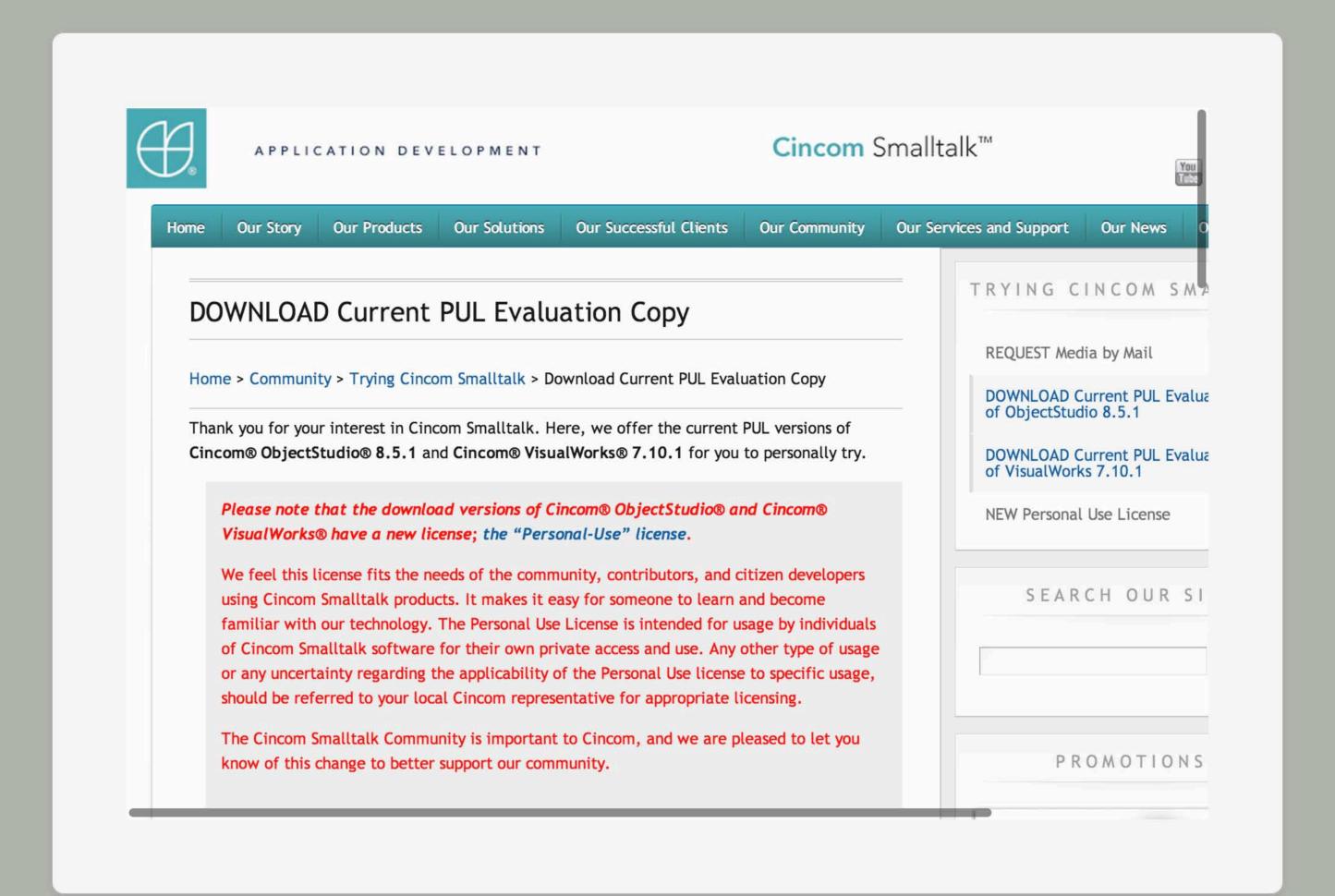
- Fits in JavascriptClass hierarchy
- Represents the client side
- Maintains application state on client
- One instance per browser tab
- Optionally links to a server session





Chat Room

Enter your name: user1 Accept





Questions

Talk to us!

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