

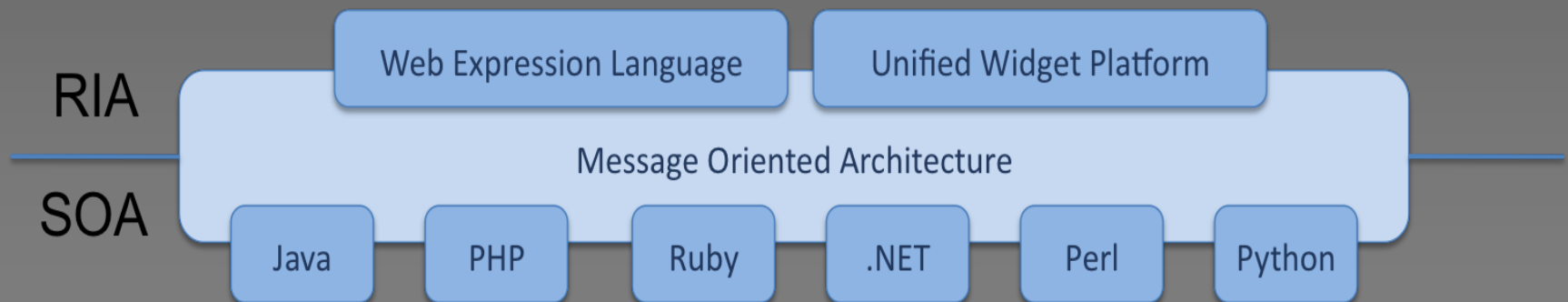
Get Rich Quick

Rich Internet Applications with
Appcelerator and Zend Framework



What is Appcelerator?

- Open Source RIA Framework (Apache 2.0)
- JavaScript-based (no plug-in)
- DSL for common browser RIA programming tasks
- Extensible widget framework
- Pub / Sub Message Framework
- Integration with a variety of server-side frameworks



Appcelerator Components

Web SDK:

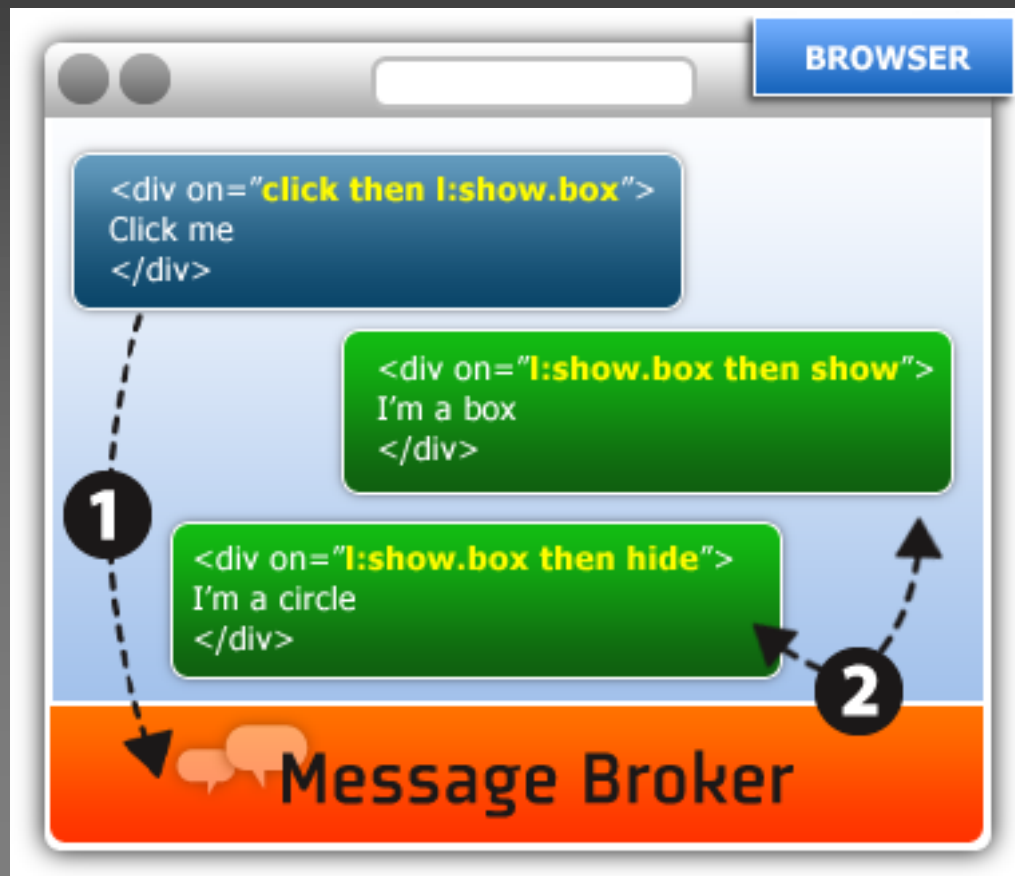
- Message Broker
- Web Expression Language
- Widget Framework
- Runs independently in the browser

SOA Integration Points:

- Service Broker
- Messaging Framework
- Implemented in ZF

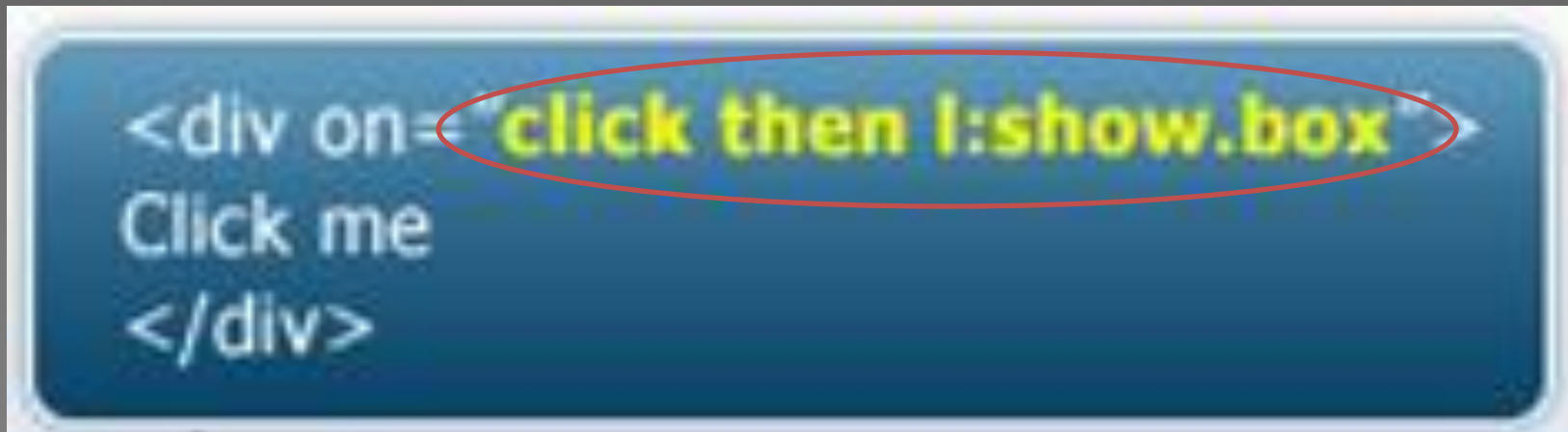
The Message Broker

- Message Oriented, Event Driven UI
- Local and remote messages



Web Expression Language

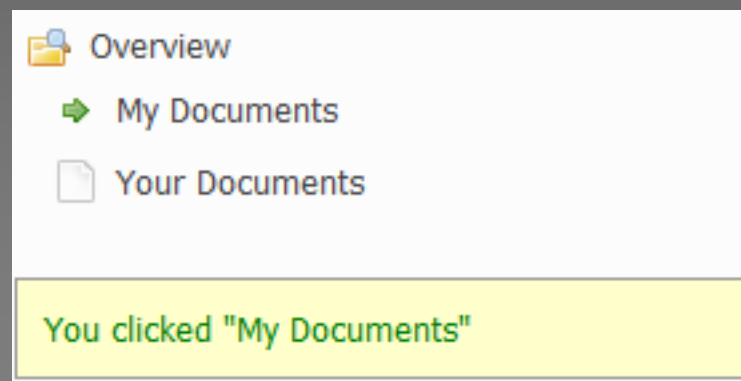
- DSL for DOM manipulation, message pub/sub, and service integration
- Expressions: “on [event] then [action]”
- Expressions added declaratively or via JavaScript
- Terse syntax for event pub/sub, DOM manipulation, and server-side communication



Widget Framework

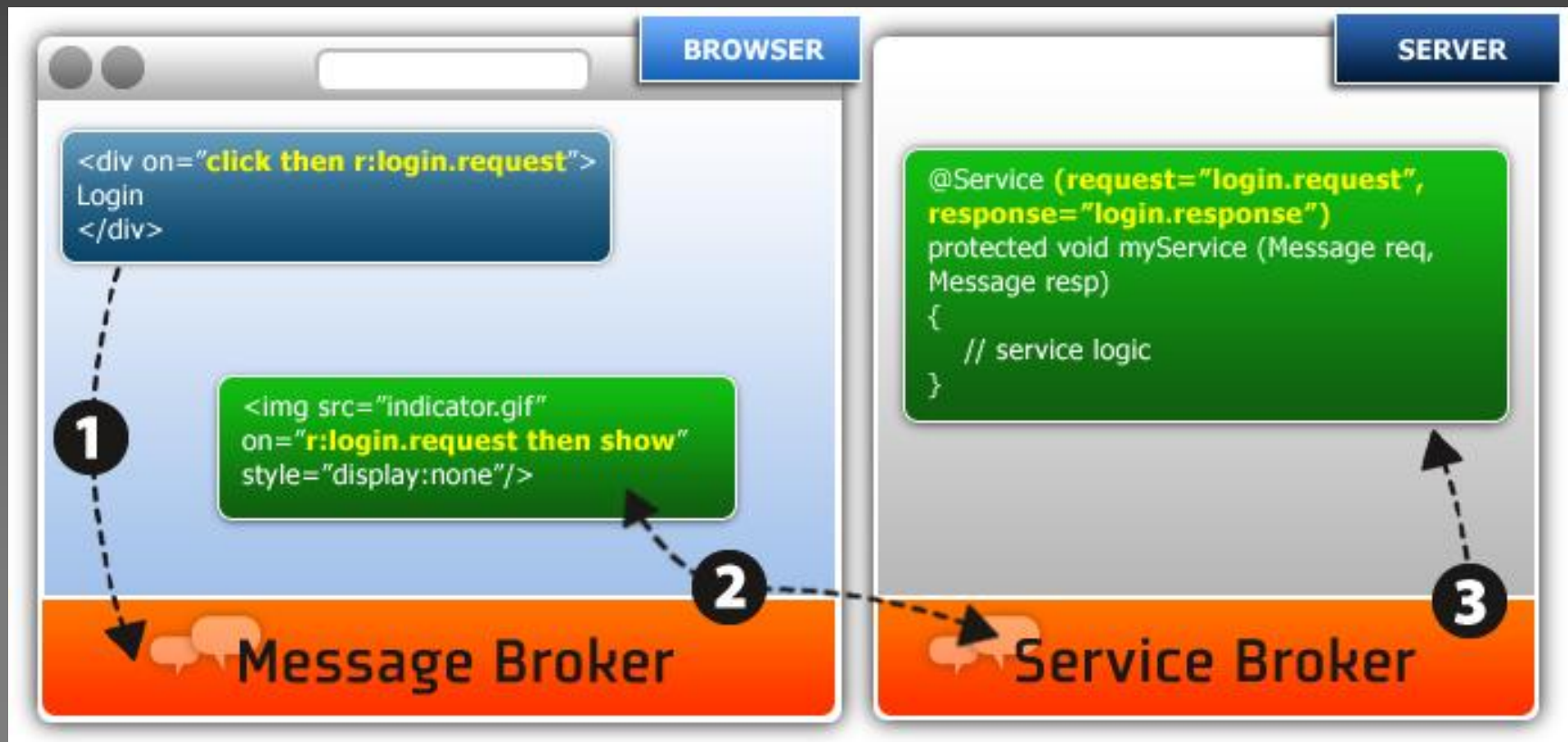
- Prebuilt Widgets – Accordions, data grids, panels
- Extensible Framework – capable of wrapping third party widgets that have a JavaScript UI

```
<app:folder id="folder_example">
  <folder name="Overview">
    <item onopen="l:test.folder[name=my]">My Documents</item>
    <item onopen="l:test.folder[name=your]">Your Documents</item>
  </folder>
</app:folder>
```



Service Integration

- Client / Server Architecture
- Server integration with no glue code



Message Payloads

- Local and remote messages can have JSON data payloads
- The contract between client and server is based on the message payload
- Testing tool for remote services – servicetester.html

```
r:foo.response
-----
{
  "username": "Kevin",
  "uses_appcelerator": true,
  "php_rocks": true
}
```

Zend Framework Integration

- Service mapping with annotations
- Intentionally thin – leverage Zend Framework on the server side without restriction
- Single line of code integrates services with messaging framework

```
/**
 * An Appcelerator Service entry point
 * @Service(request=do.stuff.request , response=do.stuff.response)
 */

function doStuff($request, $response) {
    /* Execute server side code */
    $response->data['success'] = 'true';
}
```

Appcelerator and ZF – Key Advantages

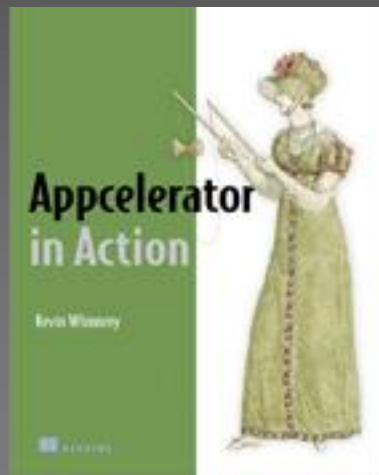
- Browser based development – refresh and test
- Quickly develop fully functional RIA prototypes without a line of server side code
- Significantly reduce JavaScript code with the Web Expression Language and message framework
- Appcelerator CLI provides a mechanism to create and update ZF/Appcelerator projects
- Free and open source – excellent community support (commercial support options available)



Appcelerator and ZF in Action

- try.appcelerator.org – WEL Sampler
- Prototyping a ZF RIA without server side code
- See also... <http://www.manning.com/whinnery>

<shameless-plug>



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Questions? Comments?

- For more information and community support, visit <http://www.appcelerator.org>
- Kevin Whinnery: kwhinnery@appcelerator.org
- Martin Robinson: mrobinson@appcelerator.org

Thanks for your time!