

# Dojo Secure

Kris Zyp





# Dojo Secure

- Full framework for loading, validating, and providing a safe set of library functions and safe access to the DOM.
  - Provides loading registry with different loading mechanisms
  - Uses ADsafe style language constraints
  - Provides |this| within class constructors

<http://www.sitepen.com/blog/2008/08/01/secure-mashups-with-dojoxsecure/>

# Dojo Secure

- Provides access to the DOM (a facade), with the standard API, that is restricted
- Provides a library API (with no namespacing, no need in a global-less environment)
- All on the client side in JavaScript
- Full framework: loading, validation, and DOM sandboxing



# ADsafe

- Disables features in JavaScript that prevent containment/sandboxing
  - Global variables
  - [index], this, ==, !=
  - Properties:
    - apply, call, callee, caller, constructor, eval, prototype, this, unwatch, valueOf, watch, and anything starting with \_
  - with, eval

<http://adsafe.org>

# Dojo Secure differences from ADsafe

- |this| is allowed in Class method bodies
  - Statically validated
  - Dynamically bound methods
- Names ending with \_\_
  - Due to VBScript usage



# Demo/Test Page

- Easy to test validation
- Load pages and scripts

<http://www.sitepen.com/labs/code/secure/dojox/secure/tests/load.html>

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