### Simple Use Case: YAHOO.util.YUILoader

### Markup:

<script src="yuiloader-beta.js"></script>

```
//instantiate Loader:
loader = new YAHOO.util.YUI Loader():
//identify the components you want to load:
loader.require("colorpicker", "treeview");
//configure the Loader instance
loader.loadOptional = true;
//Load files using the insert() method. Insert() takes an optional
//configuration object, and in this case we are setting up an onSuccess
//callback. Your callback will be executed once all required files are
//loaded.
loader.insert({ onSuccess: function() {
   //this is your callback function; you can use
   //this space to call all of your instantiation
   //logic for the components you just loaded.
```

Sets up a YUI Loader instance, configures it to load Color Picker and TreeView, and then executes the load.

### Constructor: YAHOO.util.YUILoader

YAHOO.util.YUILoader(obj config)

#### Arguments:

(1) Configuration object: When instantiating YUI Loader, you can pass all configurations in as an object argument or configure the instance after instantiation. See Configuration Options section for common configuration object members.

## **Using YUI Loader to Load Non-YUI Files**

YUI Loader's addModule method can be used to extend YUI Loader to add non-YUI modules. addModule takes an object argument with the following members:

name (s)	String modulename.
type (s)	String moduletype (eg, "js" or "css").
path (s)	Path to source file, including file name; will be prefixed with instance's base path setting.
fullpath (s)	Full URI to module file. Supersedes path.
varName (s)	If module is JavaScript, a variable name (as string) that will be defined by the loaded script; alternatively, use YAHOO.register.
requires (arr)	Array of required dependencies, with each member a string module name.
optional (arr)	Array of optional dependencies, with each member a string module name.
skinnable (b)	Does this component have a skin CSS file (in the standard skin-CSS directory?

# **Key YUI Loader Configuration Options**

null

true

"YAHOO" for

sandbox()

See online docs for complete list of YUI Loader configuration options. Option (type) Default Description allowRollup (b) true Allow aggregate files (e.g., utilities.js) where appropriate? (improves performance) current build dir on Base directory for YUI build. base (s) yui.yahooapis.com Filter that can be applied to YUILoader filter (s | o) null filenames prior to loading. Use 'DEBUG' for debug versions of YUI files loadOptional Load all optional dependencies for the false required components? Callback function fired if an insert operation onFailure (f) null onProgress null Callback function fired each time a resource

loads successfully. Callback function to run when loading of all required components and dependencies is Array of required YUI components, each of

variable defined by the exterrnal script whose

sandbox(), this is the root variable for the

presence indicates load-completion: for

which is a string representing the

modulename for the component. by default, the YUI Object which allows you to specify a global Sam Skin is defaultSkin and per-component applied to skinned overrides. See User's Guide for full syntax. components null for insert(); Only needed for non-YUI scripts. This is the

loaded library. YUI Loader options can be set in the constructor's second argument (eg, {base: '../../'}) or at runtime on a YUILoader instance (eg, oLoader.base = · . . / . . / ' ).

#### **Solutions**

onSuccess (f)

require (arr)

varName (s)

skin (o)

### Using YUI Loader to create a sandboxed/private YUI:

```
var loader = new YAHOO.util.YUI Loader();
loader.sandbox({
   require: ["treeview"], // what to load
   base: '../../build/', // relative path to library files
   // Executed once the sandbox is successfully created:
   onSuccess: function(o) {
       var myYAHOO = o.reference; //ref to private YAHOO
       // TreeView in mvYAHOO can now be used: note that
       // YAHOO.widget.TreeView may not exist!
       myYAHOO.util.Event.onAvailable("treeEl",function() {
          var tree = new myYAHOO.widget.TreeView("treeEl");
       });
   },
});
```

### YAHOO.util.YUILoader:

### **Properties**

See also configuration options: all configuration options can be treated as instance members.

inserted obj list of modules inserted by the YUILoader instance

sorted arr listed of sorted dependencies; available after insert or calculate is called

### YAHOO.util.YUII oader: Methods

addModule(O) adds non-YUI module: obi argument specifies all needed metadata for new module

calculate() calculates the list of needed modules based on required components but does not insert them in

insert(0) calculates needed modules, inserts them, fires o.onSuccess if that is supplied

# Components & **Module Names**

YUI Loader refers to YUI components by their unique module names strings by which components are referenced within YUI. Here is the full list of YUI module names:

animation, autocomplete, base. button, calendar, charts, colorpicker, connection, container container core. datasource, datatable, dom. dragdrop, editor, element, event, fonts, get, grids, history, imageloader, json, logger, menu, profiler, reset, selector, slider, tabview, treeview, yahoo, vuiloader, vuitest,

### **Dependencies**

YUI Loader does not have any required dependencies: it can be used on pages with no YUI content present or to bring additional YUI components onto pages where YUI is already being used. For some use cases, you may need to include the Yahoo Global Object first: see docs for more on this.