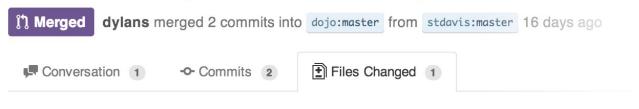
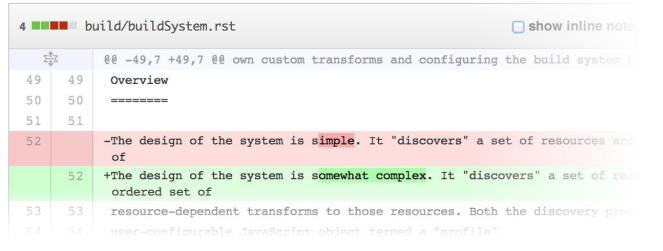
Demystifying the Dojo Build System

Make developers feel less stupid. #96



Showing 1 changed file with 2 additions and 2 deletions.



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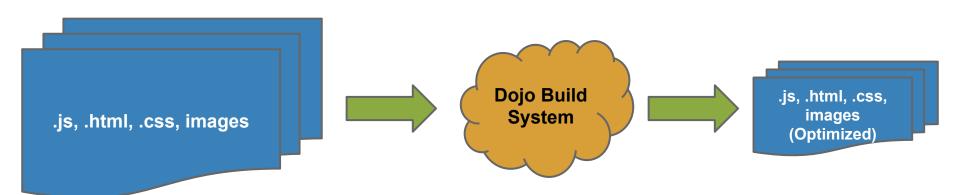
6,157 words

summary sheet

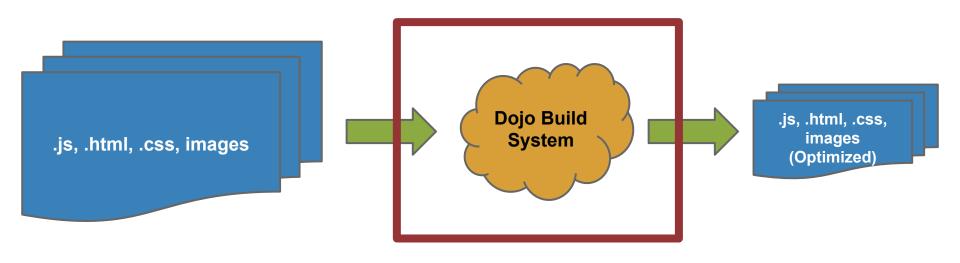
http://goo.gl/UcVHiG

Dojo Util

https://github.com/dojo/util



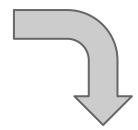




Transforms

Minifies code

```
function (
 declare,
 _WidgetBase,
 _TemplatedMixin,
 _WidgetsInTemplateMixin,
 template,
 Мар
 return declare([_WidgetBase, _TemplatedMixin, _WidgetsInTemplateMixin], {
     templateString: template,
     widgetsInTemplate: true,
     postCreate: function () {
         // summary:
                 widget dom is ready but not appended to document body yet
                 sets up map
         console.log('app/App:postCreate', arguments);
```

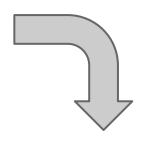


Interns dojo/text! calls

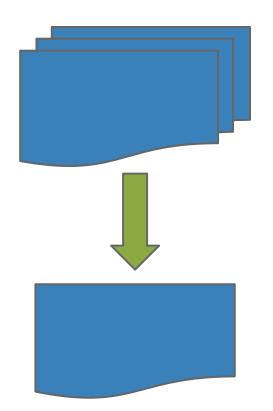
```
define([
    'dojo/_base/declare',

    'dijit/_WidgetBase',
    'dijit/_TemplatedMixin',
    'dijit/_WidgetsInTemplateMixin',

    'dojo/text!./templates/App.html',
```

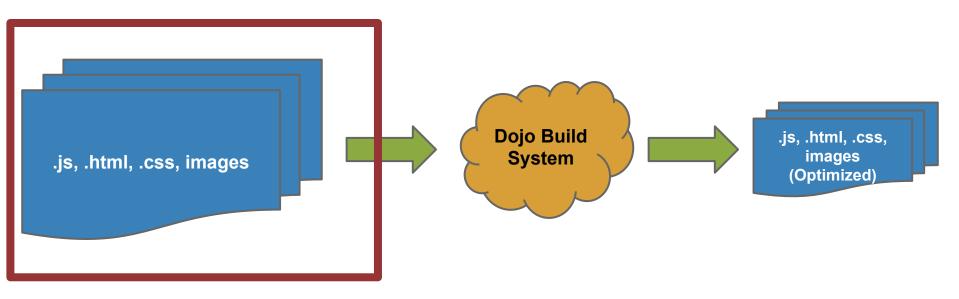


Concatenates JS & CSS files



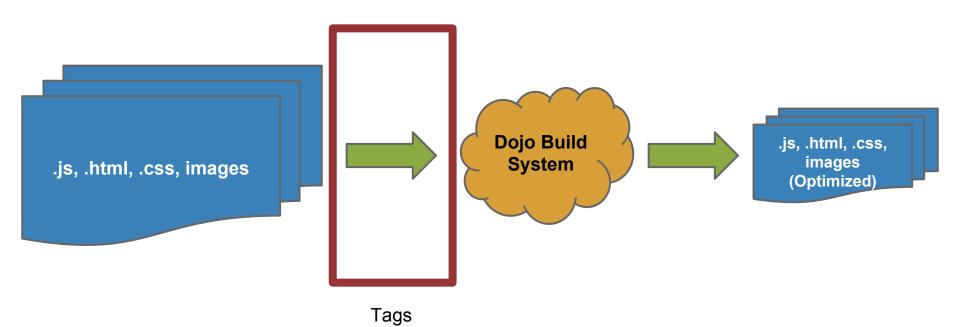
```
dojo/dojo:
    dojo/dom-geometry
    dojo/_base/array
    dojo/_base/Deferred
    dojo/request/watch
    dojo/dom
    dojo/text
    dojo/dom-style
    dojo/dom-form
    dojo/request/default
```





Resources



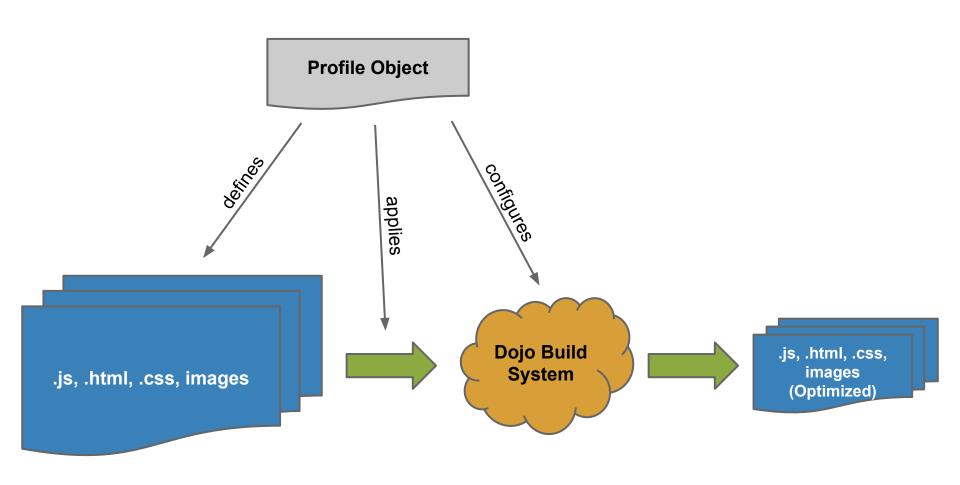


Resource Tags

- test
- copyOnly
- amd
- declarative
- miniExclude



profile object



Profile definitions

- AMD loader config
- dojoConfig
- *.profile.js
- package.json
- command line

simple demo

simple example stats

	.css	.html	.js	Transfered (KB)	Approximate Load Time (ms)
src	0	2	81	325	600
dist	0	2	24	91	200



layer demo

layer example stats

	.css	.html	.js	Transfered (KB)	Approximate Load Time (ms)
src	0	2	81	325	600
dist	0	0	1	60	200



already a layer

js.arcgis.com/3.8

/*

```
Copyright (c) 2004-2011, The Dojo Foundation All Rights Reserved.
                                      Available via Academic Free License >= 2.1 OR the modified BSD license.
                                      see: http://dojotoolkit.org/license for details
*/
/*
                                      This is an optimized version of Dojo, built for deployment and not for
                                      development. To get sources and documentation, please visit:
                                                                            http://dojotoolkit.org
*/
//>>built
(function(b,n){var k,m,l=function(){},r=function(a){for(var c in a)return 0;return
Array] ==q.call(a)},e=function(a,c){if(a)for(var d=0;a[d];)c(a[d++])},d=function(a,c){if(a)for(var d=0;a[d];)c(a[d++])},d=function(a,c){if(a)for(v
```

{return Ma(a,c,d,0,p)}, v=this,t=v.document,

access to individual modules

```
define([
    'dojo/_base/declare',
    'dijit/_WidgetBase',
    'dijit/_TemplatedMixin',
    'dijit/_WidgetsInTemplateMixin',
    'dojo/text!./templates/App.html',
    'esri/map',
    './Widget'
], function (
```

already optimized

```
//>>built

define("esri/map", "require dojo/_base/kernel esri/MapNavigationManager".split(" "), function(x,r, lowerLeft: "panLowerLeft", upperLeft: "panUpperLeft"}, g=B, connect.m=B, disconnect.n=E, create.g=N, set
```

original solution

```
exclude layer
```

```
layers: {
    'app/run': {
        include: ['app/main', 'app/run'],
        exclude: [
            "dijit/_base/scroll",
            "dijit/_TemplatedMixin",
            "dijit/_Templated",
            "dijit/_WidgetBase",
            "dijit/_TemplatedMixin",
            "dijit/_WidgetsInTemplateMixin",
            "dojo/_base/array",
            "dojo/_base/declare",
            "dojo/_base/lang",
            "dojo/_base/kernel",
            "dojox/gfx/matrix",
            "dojo/_base/Color",
            "dojox/gfx/_base",
            "dojox/xml/parser",
```

AMD loader plugin

```
define(['app/EsriLoader!esri/map'], function (Map) {/*...*/});
```

problems

- Two layer files
- Unused layer files in ESRI's layer file.

js.arcgis.com/3.8amd

slurp_esri_modules.sh

Preferred Argument Aliases

AMD-compliant modules allow for flexibility in how modules are named once they're loads their code.

The purpose of this page is to provide a standard naming convention for how to reference the Dojo AMD modules spreadsheet.

Module Path	Return Type	Preferred Arg Alias
Folder: esri		
esri/config	object	esriConfig
esri/domUtils	object	domUtils
esri/fx	object	esriFx
esri/graphic	class	Graphic
esri/graphicsUtils	object	graphicsUtils
esri/IdentityManager	class	IdentityManager

```
esri modules 3.8.txt
                30
 _coremap.js
 arcgis/csv.js
 arcgis/Portal.js
 arcgis/utils.js
 config.js
 css/esri.css
 deferredUtils.js
 dijit/_EventedWidget.js
 dijit/_TouchBase.js
 dijit/analysis/images/AggregatePoints32.png
 dijit/analysis/images/Around32.png
 dijit/analysis/images/AttributeCalculator32.png
 dijit/analysis/images/BufferAttribute32.png
 dijit/analysis/images/BufferDistance32.png
 dijit/analysis/images/ClausesGroup16.png
 dijit/analysis/images/ClausesGroup16disabled.png
```

esri demo

esri example stats

	.css	.html	.js	Transfered (KB)	Approximate Load Time (ms)
src	2	2	175	734	1700
dist	1	0	1	305	750

But what about jso.arcgis.com?

- Same tool behind the scenes
- Total control
- Integrate with CI systems
- Instant builds
- No network required

Questions?

Summary Sheet

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