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AMD

# what is AMD?

- a loading pattern for external scripts
- included with both RequireJS and Dojo
- supported by jQuery

# why do we use AMD?

- to avoid polluting the global namespace
- AMD allows multiple web requests for resources to be sent asynchronously, rather than relying on the previous to complete
- AMD provides a mechanism to package/share modular components

# how does AMD work?

- Dojo itself provides the loader, along with configuration options
- until Dojo 2.0, both a legacy and AMD loader are supported side by side

# what do you need to remember?

- the order you supply argument aliases must match order in which you load your AMD modules
- case matters

# dojo.connect vs. 'on'

- not actually an AMD thing
- introduced more or less concurrently with AMD support
- dojo.connect will be deprecated when legacy loader is deprecated
- if you are upgrading code to AMD, its also the right time to migrate your event listeners

# links

- slides
  - <http://johngravois.com/presentations/AMDandMe.pdf>
- blog
  - <http://blogs.esri.com/esri/arcgis/2013/10/14/the-abcs-of-amd/>
- AMDified samples
  - [http://esri.github.io/tips-and-tricks-js/abcs-of-amd/fl\\_ondemandAMD.html](http://esri.github.io/tips-and-tricks-js/abcs-of-amd/fl_ondemandAMD.html)
  - [http://esri.github.io/tips-and-tricks-js/abcs-of-amd/find\\_map\\_datagridAMD.html](http://esri.github.io/tips-and-tricks-js/abcs-of-amd/find_map_datagridAMD.html)
  - [http://esri.github.io/tips-and-tricks-js/abcs-of-amd/routetask\\_directionsAMD.html](http://esri.github.io/tips-and-tricks-js/abcs-of-amd/routetask_directionsAMD.html)
  - <http://esri.github.io/tips-and-tricks-js/abcs-of-amd/transparencySliderAMD.html>

## external articles on AMD

- <http://requirejs.org/docs/whyamd.html>
- preferred argument aliases
  - [https://developers.arcgis.com/javascript/jsapi/argument\\_aliases.html](https://developers.arcgis.com/javascript/jsapi/argument_aliases.html)
- more info
  - <http://www.oreillynet.com/pub/a/javascript/excerpts/javascript-good-parts/awful-parts.html>
  - <https://gist.github.com/hallettj/64478>