# Caching HTML Templates for Angular

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# HTML Templates and Angular

Many HTML templates

Cache the HTML

Reduce HTTP requests

Angular $templateCache service

# HTML Templates

Directive templates | Route templates | Anywhere we get HTML by a URL

**URL becomes the key**

```
$templateCache.put("app/layout/ht-top-nav.html",
        "<nav class=\"navbar navbar-fixed-top \"> ... </nav>");
```
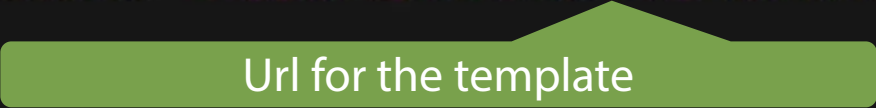
# $templateCache

Key / Value pair

# Templates

Looks in $templateCache
Makes an HTTP request

```javascript
angular.module('app.layout')
    .directive('htTopNav', htTopNav);

/* @ngInject */
function htTopNav () {
    var directive = {
        bindToController: true,
        controller: TopNavController,
        controllerAs: 'vm',
        restrict: 'EA',
        scope: {
            'tagline': '=',
            'title': '='
        },
        templateUrl: 'app/layout/ht-top-nav.html'
    };

    return directive;
}
```

Url for the template

# gulp-angular-templatecache

Gather all templates with Gulp

Minify the HTML

Add them all to $templateCache

Put them in an Angular module

# Recap



| | |
|---|---|
| HTML Templates | Reduce HTTP requests |
| Gulp | Cache the HTML |
| $templateCache | Angular service |