**Routing**

**Routing is the act of matching a request to a given controller.**

In module.config.php

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| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18  19  20  21  22  23  24  25  26  27  28  29  30  31  32  33  34  35  36  37  38  39  40  41  42  43  44  45  46  47  48  49  50  51  52  53  54  55  56  57  58  59  60 | 'router' =>**array**(  'route' => **array**(  'type' => 'literal',  'options' => **array**(  'route' => '/',  'defaults' => **array**(  'controller' => 'Application\Controller\IndexController',  'action' => 'index',  ),  ),  ),  'may\_terminate' => **true**,  'child\_routes' => **array**(  'blog' => **array**(  'type' => 'literal',  'options' => **array**(  'route' => '/blog',  'defaults' => **array**(  'controller' => 'Application\Controller\BlogController',  'action' => 'index',  ),  ),  'may\_terminate' => **true**,  'child\_routes' => **array**(  'rss' => **array**(  'type' => 'literal',  'options' => **array**(  'route' => '/rss',  'defaults' => **array**(  'action' => 'rss',  )  ),  'may\_terminate' => **true**,  'child\_routes' => **array**(  'subrss' => **array**(  'type' => 'literal',  'options' => **array**(  'route' => '/sub',  'defaults' => **array**(  'action' => 'subrss',  ),  ),  ),  ),  ),  ),  ),  'forum' => **array**(  'type' => 'literal',  'options' => **array**(  'route' => 'forum',  'defaults' => **array**(  'controller' => 'Application\Controller\ForumController',  'action' => 'index',  ),  ),  ),  ),  ); |

The above would match the following:

* “/” would load the “Index” controller, “index” action.
* “/blog” would load the “Blog” controller, “index” action.
* “/blog/rss” would load the “Blog” controller, “rss” action.
* “/blog/rss/sub” would load the “Blog” controller, “subrss” action.
* “/forum” would load the “Forum” controller, “index” action.

**echo** $this->url('blog');

**echo** $this->url('blog/rss, '));

**echo** $this->url(‘forum');

# [Difference between literal and segment route](https://stackoverflow.com/questions/14876043/what-is-the-difference-between-literal-and-segment-route)

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|  | A literal route seems to be good for one off pages like the basic example below:  'router' => array(  'routes' => array(  'home' => array(  'type' => 'Literal',  'options' => array(  'route' => '/home',  'defaults' => array(  'controller' => 'homeController',  'action' => 'index',  )  )  )  )  )  For those not familiar with segment routes. These are dynamic and pass the url segments into the controller. This example is from the Zend Framework 2 Getting Started Tutorial  'router' => array(  'routes' => array(  'album' => array(  'type' => 'segment',  'options' => array(  'route' => '/album[/:action][/:id]',  'constraints' => array(  'action' => '[a-zA-Z][a-zA-Z0-9\_-]\*',  'id' => '[0-9]+',  ),  'defaults' => array(  'controller' => 'Album\Controller\Album',  'action' => 'index',  ),  ),  ),  ),  ),  The action segment will go to a function in the controller with that name. So a URL like /album/edit/2 will go to the editAction() function in the AlbumController. The id can be accessed a couple of ways in the controller.  $id = $this->params()->fromRoute('id');  or  $id = $this->getEvent()->getRouteMatch()->getParam('id'); |