# Requests

# **Retrieving Input**

You may access all input from the global Request instance.

## **Retrieving Data**

If you have a form variable named 'address', you would want to use this code to get it:

```
$address = Request::getVar('address');
```

#### The DEFAULT Parameter

In the event that 'address' is not in the request or is unset, you may specify a default value as the second argument:

```
$address = Request::getVar('address', 'Address is empty');
echo $address; // Address is empty
```

#### The SOURCE Parameter

Frequently, you will expect your variable to be found in a specific portion of the HTTP request (POST, GET, etc...). If this is the case, you should specify which portion; this will slightly increase your extension's security. If you expect 'address' to only be in POST, use this code to enforce that:

```
$address = Request::getVar('address', 'default value goes here', 'post
');
```

#### The VARIABLE TYPE Parameter

The fourth parameter of getVar() can be used to specify certain filters to force validation of specific value types for the variable.

```
$address = Request::getVar('address', 'default value goes here', 'post
','variable type');
```

Here is a list of types you can validate:

- INT
- INTEGER
- FLOAT
- DOUBLE
- BOOL
- BOOLEAN
- WORD
- ALNUM
- CMD
- BASE64
- STRING
- ARRAY
- PATH

# **Cookies**

Cookie values may be accessed in the same manner as user input with the one change of method name from input to cookie.

```
$value = Request::cookie('name');
```

## Other

The Request class provides many methods for examining the HTTP request for your application.

## **Request Method**

```
$method = Request::method();
if (Request::isMethod('post'))
{
    //
}
```

#### **Current URL**

```
$current = Request::current();
```

# Root URL for the application

This differs from base() in that it will always return the root URI for the application, regardless of the sub-directory the request was called from.

```
$base = Request::root();
```

# Base URL for the application

By default, this method will return the full base path for the current request, including scheme, host, and port. To return the path only, pass true.

```
// Gets http://myhub.org/
$base = Request::base();

// Gets /
$base = Request::base(true);
```

## **User IP Address**

```
$ip = Request::ip();
```