

# ColdBox Reaches 2.6 Final Release

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[Luis Majano](#) announced that [ColdBox](#) hit [2.6 Final Release](#) today. This release boasts a number of new features. Here is a quick overview of some of my personal favorites:

## Application-Defined Conventions

The new <Conventions> block in the [coldbox.xml](#) file allows you to define your own application directory structure.

## onMissingAction() Method

This one has so many possibilities that it's mind-boggling. This really opens up the avenues to rich applications and code reuse. Just as a quick example, think about the following tasks:

1. Add a User Email Address - index.cfm/user/addEmailAddress
2. Add a User Phone Number - index.cfm/user/addPhoneNumber

With `onMissingAction()` you can now utilize a generic `add()` method in a utilities handler, and never even write an `addEmailAddress()` or `addPhoneNumber()` method in your user handler. When the request hits `user/addEmailAddress`, `onMissingAction()` will pick up the request where you can then define the object type and all that good stuff, and send the request over to your generic `add()`.

## SES Numeric Routes

```
.. addCourse(
}. pattern: "blog/entry/:month-numeric/:year-numeric"
}. );
```

By adding "-numeric" to the `:month` and `:year` placeholders, you can know that those variables will be numeric.

## SES Optional Variables

With a simple question mark (?) you can now define optional variables in your SES routes.

```
.. addCourse(
}. pattern: ":handler/:action?:id?"
}. );
```

A single route now matches three different patterns. Less code, more action. I dig it.

## SES Name-Value Pairs

This one seems so simple that it's amazing that it's brand new in 2.6, but it is indeed new, and I like it. In ColdBox 2.5.x you had to either write umpteen bazillion courses (patterns), or you had to combine the base pattern (e.g. `:handler/:action/:id`) with your standard querystring separators (e.g. `?foo=bar`). Thanks to this new enhancement, anything left over from the matched pattern will be converted to name:value pairs. Take this example:

```
.. addCourse(  
}. pattern: ":handler/:action?/:id-numeric?"  
}. );
```

If the request is directed to

index.cfm/user/list/page/1/sort/asc

the :handler and :action? part of the course will match, but everything else (page/1/sort/asc) is "left over". Those leftovers will be converted to a variable named 'page' with a value of '1', and a variable named 'sort' with a value of 'asc'.

## Summary

These are just a select few of the ColdBox 2.6 enhancements. Be sure to check out the complete [What's New?](#) list.