



## Biography

Danilo Celic

Software Engineer, [WebAssist.com](http://WebAssist.com)

Extension developer for WebAssist.com.  
Team Macromedia for Dreamweaver.  
Technical Editor for a number of  
Dreamweaver, Studio and Contribute books,  
MX through MX 2004 releases. Contributing  
author for Dreamweaver MX 2004 Magic.  
Author at CommunityMX.com

## Overview

Extension types

Where to make your changes

Documentation, support forums, books

Skills you need

Common extension types with examples

Packaging it all up for distribution

## Common Extension Types

- Commands
- Objects
- Behaviors
- Server Behaviors
- Translators
- Floaters

## Other Extension Types

- Property inspectors
- Reports
- Toolbars
- Tag Libraries
- Menus
- Server Formats
- Data Sources
- Server Models
- Components
- C++ DLLs and Shared Libraries

## Some Additional Extensibility Areas

- Snippets
- Page Designs
- Document Types
- Third Party Tags
- Code Hints
- Code Coloring
- Reference Content

### Configuration file locations: PC

- C:\Program Files\Macromedia\Dreamweaver 8\Configuration
- C:\Documents and Settings\UserName\Application Data\Macromedia\Dreamweaver 8\Configuration
- C:\Documents and Settings\All Users\Application Data\Macromedia\Dreamweaver 8\Configuration

### Configuration file locations: Mac

- HD:Applications:Macromedia Dreamweaver 8:Configuration
- HD:Users:username:Library: Application Support:Macromedia: Dreamweaver 8:Configuration
- HD:private:var:root:Application Support:Macromedia: Dreamweaver 8:Configuration

### Configuration file precedence

- User's folder
- All Users/Root folder
- Application Install folder

### Getting Started - Documentation

- Help > Extending Dreamweaver
- Help > Dreamweaver API Reference
- Help > Manage Extensions > Help > Creating and Submitting Extensions
- LiveDocs
  - [livedocs.macromedia.com/dreamweaver/8/](http://livedocs.macromedia.com/dreamweaver/8/)
- Dreamweaver MX 2004 SDK:
  - [tinyurl.com/2x2r4](http://tinyurl.com/2x2r4) (Macromedia.com)
- MXI File Format
  - [tinyurl.com/6v3r9](http://tinyurl.com/6v3r9) (Macromedia.com)

### Books – Dedicated to Extending

- Building Dreamweaver 4 and Dreamweaver UltraDev 4 Extensions
  - Tom Muck and Ray West
  - [basic-ultradev.com/building\\_extensions](http://basic-ultradev.com/building_extensions)
- Dreamweaver MX Extensions
  - Laura Gutman
  - [tinyurl.com/2l9dm](http://tinyurl.com/2l9dm) (Amazon.com)
- Beyond Dreamweaver
  - Joseph Lowrey
  - [idest.com/beyond](http://idest.com/beyond)

### Books – Some Extending info

- Dreamweaver MX 2004 The Complete Reference
  - Ray West and Tom Muck
  - [tom-muck.com/books.cfm](http://tom-muck.com/books.cfm)
- Dreamweaver 8 Bible
  - Joe Lowrey
  - [idest.com/dreamweaver/](http://idest.com/dreamweaver/)

## See What others Have Done

- Macromedia Exchange (1000+):
  - [macromedia.com/exchange](http://macromedia.com/exchange)
- WebAssist: [WebAssist.com](http://WebAssist.com)
- InterAKT: [lterAKTOnline.com](http://lterAKTOnline.com)
- ProjectSeven: [ProjectSeven.com](http://ProjectSeven.com)
- CartWeaver - [Cartweaver.com](http://Cartweaver.com)
- Extension Developer listings:
  - [dwfaq.com/resources/extensions](http://dwfaq.com/resources/extensions)
  - [felixone.it/extensions/mext.asp](http://felixone.it/extensions/mext.asp)

## Blogs

- Mine: [tinyurl.com/5re!9](http://tinyurl.com/5re!9) (CommunityMX.com)
- Paul Boon: [tinyurl.com/4ed3a](http://tinyurl.com/4ed3a) (CommunityMX.com)
- Tom Muck: [flash-remoting.com/notablog](http://flash-remoting.com/notablog)
- Steve Nelson: [steve.secretagents.com](http://steve.secretagents.com)
- Scott Fegette: [weblogs.macromedia.com/sfegette](http://weblogs.macromedia.com/sfegette)

## Support Forums

- Dreamweaver Extensions Forum
- NNTP:
  - [forums.macromedia.com/macromedia.exchange.extensions.dreamweaver](http://forums.macromedia.com/macromedia.exchange.extensions.dreamweaver)
- Web forum
  - [tinyurl.com/dlycn](http://tinyurl.com/dlycn) (Macromedia.com)
- Extensibility Forum – NNTP only
  - [macromedia.com/support/dreamweaver/extend/form](http://macromedia.com/support/dreamweaver/extend/form)

## Leverage Existing Skills

- HTML
- JavaScript
- XML
- Flash

## Extension UI doctypes

- Extension dialog:  
`<!DOCTYPE HTML SYSTEM "-//Macromedia//DWEExtension layout-engine 5.0//dialog">`  
  
`<!DOCTYPE HTML SYSTEM "-//Macromedia//DWEExtension layout-engine 8.0//dialog">`
- Property inspector  
`<!DOCTYPE HTML SYSTEM "-//Macromedia//DWEExtension layout-engine 6.0//pi">`
- Floating panel  
`<!DOCTYPE HTML SYSTEM "-//Macromedia//DWEExtension layout-engine 5.0//floater">`

## Things you can't do in an Extension

- `<a href="yourURL">Link Text</a>`
  - Instead:  
`<a href="#" onMouseDown="alert('hi')">link text</a>`  
`<a href="#" ></a>`
- Java Applets
- `document.write()`
- `getElementById()`

## Objects

- Configuration/Objects/
- canInsertObject
- objectTag
- Demo: Button Tag

## Demo Object

```
<!DOCTYPE HTML SYSTEM "-//Macromedia//DWExtension
layout-engine 5.0//dialog">
<html>
<head><title>Button Tag</title>
<script>
function objectTag(){
    return "<button>"+
        document.forms[0].myLabel.value + "</button>";
}
</script>
</head><body>
<form name="myForm">
<input type="text" name="myLabel">
</form>
</body>
</html>
```

## Commands

- Configuration/Commands
- canAcceptCommand
- commandButtons
- Demo: Remove All Meta Tags

## Demo Command

```
<!DOCTYPE HTML SYSTEM "-//Macromedia//DWExtension
layout-engine 5.0//dialog">
<html>
<head>
<title>Command Template</title>
<script>
// Start API functions
function canAcceptCommand(){
// Determines if the command can be run
return (dw.getDocumentDOM() != null);
}
function commandButtons(){
// An array of buttons and functions
var okCmd = "runCmd()";
var cancelCmd = "window.close()";
return new Array("OK",okCmd,"Cancel",cancelCmd);
}
Continued..
```

## Demo Command (Cont.)

```
function runCmd(){
var dom = dw.getDocumentDOM();
var metas = dom.getElementsByTagName('META');
for(var i = 0;i<metas.length;i++){
metas[i].outerHTML = '';
}
alert('Number of meta tags removed: ' + metas.length);
window.close();
}
</script>
</head>
<body>
<form name="theForm"></form>
</body>
</html>
```

## Server Behaviors

- Server Behavior Builder
  - Show if User in Role
  - Email Form

### Show If User In Role (starting code)

```
<cfset AccessLevels = "userRolesHere">  
  
<cfif ListContains (AccessLevels,  
Session.MM_UserAuthorization)>  
</cfif>
```

### Email form (starting code)

```
<cfif NOT StructIsEmpty (form)>  
<cfset newLocation = "newPage.cfm">  
<cfset mail_body = "">  
<cfset cr = Chr (13) & Chr (10)>  
<cfloop index="form_element" list="#form.fieldnames#">  
<cfif form[form_element] NEQ "">  
<cfset mail_body = mail_body & form_element  
& ": " & form[form_element] & cr>  
</cfif>  
</cfloop>  
<cfmail to="queryName.toEmail"  
from="queryName.fromEmail"  
subject="queryName.subject">  
#mail_body#</cfmail>  
<cfif newLocation NEQ "">  
<cflocation url="@newLocation@" addtoken="false">  
</cfif>  
</cfif>
```

### Server Behaviors

- Server Behavior Builder
  - Show if user in Role
  - Email Form

### Additional Server Behavior Controls

- [tinyurl.com/3j9xd](http://tinyurl.com/3j9xd) (Basic-UltraDev.com)
- [tinyurl.com/652cj](http://tinyurl.com/652cj) (Macromedia.com)

### Advanced Interfaces

- Tabs
- Wizards
- Flash

### Packaging it all up

- MXI File Format
  - [tinyurl.com/6v3r9](http://tinyurl.com/6v3r9)
- \*Do not\* overwrite system files
- Sample MXI files
  - Object
  - Behavior
  - Command
  - Server Behavior

## Object MXI

```
<macromedia-extension
name="Button tag" version="1.0.0" type="object"
requires-restart="true">

<author name="Danilo Celic - WebAssist.com" />

<products>
<product name="Dreamweaver" version="6" primary="true"
/>
</products>

<description>
<![CDATA[This object inserts a <button> tag with a
user specified label.]]>
</description>

<ui-access>
<![CDATA[This object is found on the Common tab of the
Insert Bar, and inserts a <button> tag.]]>
</ui-access>
```

## Object MXI

```
<files>
<file source="Objects/Common/Button Tag.html"
destination="$dreamweaver/Configuration/Objects/Common
" win-extension="htm" />
<file source="Objects/Common/Button Tag.gif"
destination="$dreamweaver/Configuration/Objects/Common
" win-extension="js" />
</files>

<configurations-changes>
<insertbar-changes>
<insertbar-item-insert appendTo="DW_Insertbar_Common">
<button file="Common/Button Tag.html"
id="DW_Insertbar_Common_Button_Tag"
image="Common/Button Tag.gif" />
</insertbar-item-insert>
</insertbar-changes>
</configurations-changes>

</macromedia-extension>
```

## Packaging it all up (automated)

- MXI File Creator  
– [muzakdeesign.com/mxi\\_creator/](http://muzakdeesign.com/mxi_creator/)
- MXI Wizard  
– [linecraft.com/products.php](http://linecraft.com/products.php)
- WebAssist Demo

## Questions?

Happy Extending

Ideas in motion.

**MAX**  
The 2007 Magento® Partner