ContentBox

ColdBox

rtus Solutions
A Software Revolution

ContentBox

Modular Content Platform

Who am I?

Who am I?

- Luis Majano - Computer Engineer
- Born in El Salvador ---------->

- President of Ortus Solutions
- Manager of the IECFUG (www.iecfug.com)
- Creator of ColdBox, MockBox, LogBox, CacheBox, WireBox, ContentBox, or anything Box!

Ortus Solutions
A Software Revolution

Professional Open Source

Professional Open Source

- **ColdBox Platform, Relax, ContentBox, CodexWiki, etc**
- Professional Training & Books
- Support & Mentoring Plans
- Architecture & Design Sessions
- Server Tuning & Setup
- Code Reviews & Sanity Checks
- Consulting
- We can teach salsa dancing too!

Ortus Solutions
A Software Revolution

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ContentBox

Monolithic Apps

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Traditional
CMS/Blog/App
Custom Architecture

Monolithic Apps

extension points

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custom security, etc

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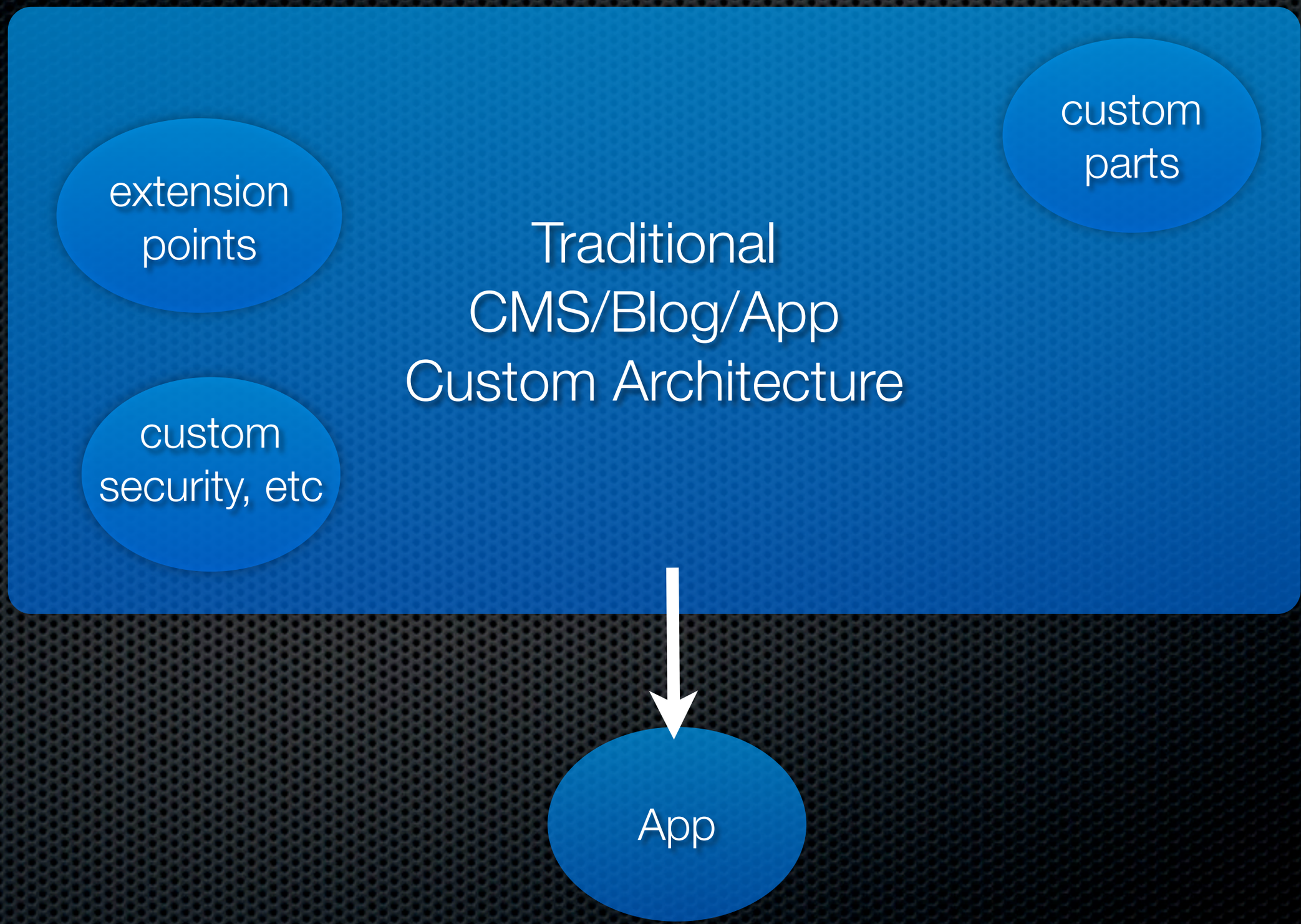
Monolithic Apps



Monolithic Apps

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custom security, etc

Proxy

App

ColdBox Modules

No Longer Restricted

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ANY
ColdBox Application

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Custom
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Flex/Air Remote

Custom App

ColdBox Modules

- Modular Architecture: Set of ColdBox Modules
- No longer restricted by an application
- Enterprise Security
- Extend via **ColdBox**: interceptions, modules, SES, custom DI, security, etc
- Extend via event driven programming: **>** 50 different event interception points
- Extend via **ColdBox Modules, ColdBox Plugins, ColdBox Layouts**
- Full skinning support
- Commenting engine
- Widgets, Content Partials, CMS, etc.
- Private beta

Features

- Modular Architecture: Set of ColdBox Modules
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- Adobe ColdFusion 9.01 or Railo Latest
- ColdBox Platform 3.5.0
- Any database Hibernate supports
- SES enabled via **index.cfm/*** or Full URL Rewrites (mod_rewrite, IIS, etc)

Requirements

- Adobe ColdFusion 9.01 or Railo Latest
- ColdBox Platform 3.5.0
- Any database Hibernate supports
- SES enabled via **index.cfm/*** or Full URL Rewrites (mod_rewrite, IIS, etc)

1. **Download Source:** https://github.com/Ortus-Solutions/ContentBox and install as a new site or a sub-folder in a site
2. Create a database in your favorite database engine
3. Create a datasource called "**contentbox**" in your CF admin that points to that database
4. Hit your ContentBox install: http://localhost/index.cfm
5. Then...

Installation

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www.gocontentbox.com | twitter.com/gocontentbox | www.ortussolutions.com

ContentBox Installer

Install Wizard

- Introduction
- Installer

Welcome To ContentBox!

We have detected that your **ContentBox** is not setup yet, so let's get you up and running in no time. You have already done the first step, which is created the datasource in which ContentBox will run under. What you might not know, is that we already created the entire database structure for you, we now just need a little information from you to get **ContentBox** ready for prime time.

So what are you waiting for? Let's get started!

Start Installer

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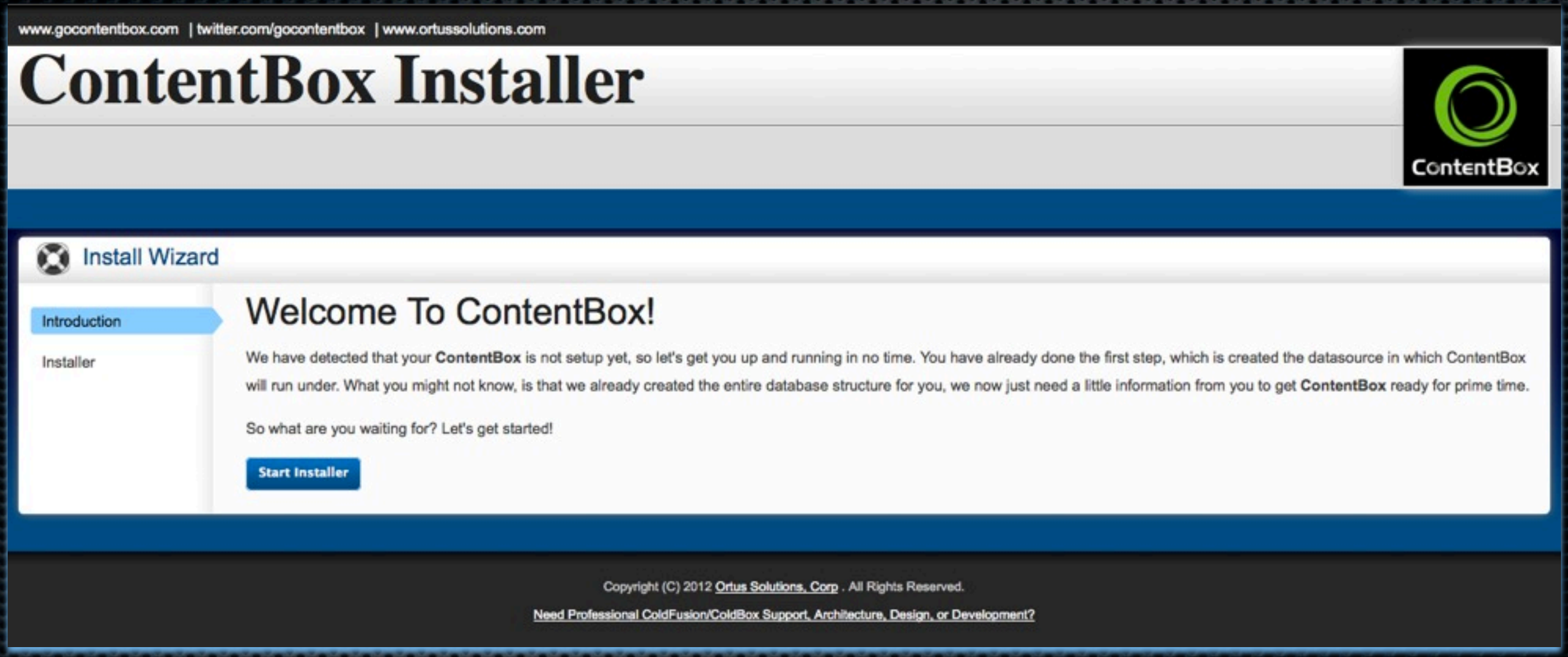
Need Professional ColdFusion/ColdBox Support, Architecture, Design, or Development?

Awesome Installer



- Based on ColdBox plugins
- Simple interface: **renderit**()
- Self-documenting
- Use in editors, layouts and as ColdBox Plugins

Extend: Widgets

- Based on ColdBox plugins
- Simple interface: **renderit**()
- Self-documenting
- Use in editors, layouts and as ColdBox Plugins

```
any function renderIt(required slug, defaultValue){
    var entry = entryService.findWhere({slug=arguments.slug});

    if( !isNull(entry) ){
        return entry.getContent();
    }

    // default value
    if( structKeyExists(arguments, "defaultValue") ){
        return arguments.defaultValue;
    }

    throw(message="The content slug '#arguments.slug#' does not exist",type="CustomHTMLWidget.InvalidEntrySlug");
}
```

- Based on ColdBox interceptors
- Event driven programming
- Over 50 different events

Extend: Events

- Based on ColdBox interceptors
- Event driven programming
- Over 50 different events

```
function cbadmin_postAuthorSave(event,interceptData){
    var author       = arguments.interceptData.author;
    var currentAuthor = securityService.getAuthorSession();
    // get mail payload
    var bodyTokens = {
        authorName   = author.getName(),
        authorRole   = author.getRole().getRole(),
        authorEmail  = author.getEmail(),
        authorURL    = CBHelper.linkAdmin("authors.editor.authorID.#author.getAuthorID()#"),
        currentAuthor        = currentAuthor.getName(),
        currentAuthorEmail   = currentAuthor.getEmail()
    };
    var mail = mailservice.newMail(to=settings.cb_site_email,
                                   from=settings.cb_site_outgoingEmail,
                                   subject="#settings.cb_site_name# - Author Created - #bodyTokens.authorName#",
                                   bodyTokens=bodyTokens);
    // generate content for email from template
    mail.setBody( renderer.renderView(view="email_templates/author_new",module="contentbox") );
    // send it out
    mailService.send( mail );
}
```

- Page, Blog and Custom HTML Editors accept widgets via {{{ }}} notations

- All editors announce events
- All save, edit, remove operations announce events

Extend: Editors

- Page, Blog and Custom HTML Editors accept widgets via **{{{ }}}** notations

```
{{{WidgetName arg1=value arg2=value}}}
```

- All editors announce events
- All save, edit, remove operations announce events

- Based on ColdBox Layouts, Collection Rendering, Helpers
- Programmatically build themes
- Located in **contentbox-ui/layouts**
- Folder Structure:
  - **ThemeName**
    - **layouts** : A collection of page and blog layouts
    - **templates** : A collection of collection renderers
    - **views** : A collection of views
    - **ThemeName.cfc**

Extend: Layout Themes

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- Layout CFC is a simple CFC with public properties:

- A layout theme can expose its own custom events also

Extend: Layout Themes

- Layout CFC is a simple CFC with public properties:

```
component{
    // Layout Variables
    this.name           = "ContentBox Goodness";
    this.description    = "ContentBox Default Layout";
    this.version        = "1.0";
    this.author         = "Ortus Solutions";
    this.authorURL      = "http://www.ortussolutions.com";
    // Screenshot URL, can be absolute or locally in your layout package.
    this.screenShotURL = "screenshot.png";
    // ForgeBox slug if you want auto-update featuress
    this.forgeBoxSlug  = "cblayouts-goodness";
    // The custom interception points this layout announces, an array of event strings
    this.customInterceptionPoints = arrayToList( ["cbui_beforeBottomBar","cbui_afterBottomBar"] );
}
```

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    // Screenshot URL, can be absolute or locally in your layout package.
    this.screenShotURL = "screenshot.png";
    // ForgeBox slug if you want auto-update featuress
    this.forgeBoxSlug  = "cblayouts-goodness";
    // The custom interception points this layout announces, an array of event strings
    this.customInterceptionPoints = arrayToList( ["cbui_beforeBottomBar","cbui_afterBottomBar"] );
}
```

- A layout theme can expose its own custom events also

- All layouts, templates, and views have a **cb** variable
- **cb** = **ContentBox Helper Class** = **contentbox.plugins.CBHelper**
- Tons of methods for rendering, linking, etc
- Used to build your layouts themes

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- **cb** = **ContentBox Helper Class** = **contentbox.plugins.CBHelper**
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- **Layouts**
  - Two mandatory by convention: **blog, pages**
  - Create as many page layouts as you like
  - Just like ColdBox layouts, must have a **#renderView()#**
- **Views**
  - Set by the incoming module events
  - Mandatory views:
    - **index.cfm** : Render the home page of blog entries
    - **entry.cfm** : Render a blog entry
    - **error.cfm** : Render an exception
    - **notfound.cfm** : Render when an entry or page is not found
    - **archives.cfm** : Render blog archives
    - **page.cfm** : Render a page

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- **Collection Renderers**
  - Triggered by the cb helper quick methods used in your views or layouts
    - **quickCategories() -> category.cfm**
    - **quickComments() -> comment.cfm**
    - **quickEntries() -> entry.cfm**
  - A great way to design uniform rendering for a collection of items

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```
<div id="comment_#comment.getCommentID()#" class="comment">
    <a name="comment_#comment.getCommentID()#"></a>
    <div class="commentPicture">
        #cb.quickAvatar(author=comment.getAuthorEmail(),size=60)#
    </div>
    <h4>
        <strong>#comment.getAuthor()#</strong> said
    </h4>
    <p>at #comment.getDisplayCreatedDate()#</p>
    <div class="commentContent">
        #comment.getContent()#
    </div>
</div>
```

- Each view receives elements in the **RC** and **PRC** collections
- You can use those variables or talk to the CBHelper for them
  - **Page**
    - **prc.page** : The page entity
    - **prc.comments** : The page comments array
    - **prc.commentsCount** : The comments count
  - **Missing Page**
    - **prc.missingPage** : The missing page requested
    - **prc.missingRoutedURL** : The SES URL used

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- **Error**
  - **prc.faultAction :** The action that caused the exception
  - **prc.exception** : The actual exception
- **Blog Index**
  - **prc.pagingPlugin**
  - **prc.pagingBoudaries**
  - **prc.pagingLink**
  - **prc.entries**
  - **prc.entriesCount**
- **Blog Entry**
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  - prc.pagingLink
  - prc.entries
  - prc.entriesCount
- Missing Blog Entry
  - prc.missingPage

- adminRoot()
- breadCrumbs()
- customHTML()
- event()
- getCommentErrors()
- getCurrentCategories()
- getCurrentComments()
- getCurrentCommentsCount()
- getCurrentEntries()
- getCurrentEntriesCount()
- getCurrentEntry()
- getCurrentPage()
- getMissingPage()
- getWidget()
- isCommentFormError()
- isCommentsEnabled()
- isEntryView()
- isIndexView()
- isPageView()
- layoutName()
- layoutRoot()
- linkAdmin()
- linkAdminLogin()
- linkAdminLogout()
- linkArchive()
- linkBlog()
- linkCategory()
- linkComment()

CBHelper

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- linkCommentPost()
- linkComments()
- linkContent()
- linkEntry()
- linkEntryWithSlug()
- linkHome()
- linkPage()
- linkPageWithSlug()
- linkRSS()
- linkSearch()
- linkSelf()
- linkToParentPage()
- siteRoot()
- siteTagLine()
- quickAvatar()
- quickCategories()
- quickCategoryLinks()
- quickCommentForm()
- quickComments()
- quickEntries()
- quickPaging()
- quickView()
- rootMenu()
- setting()
- siteDescription()
- siteEmail()
- siteKeywords()
- siteName()

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- siteName()

- subPageMenu()
- widget()
- widgetRoot()

CBHelper

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Workshop

Q & A

Thanks!