



The Iam Lotus User Group

Customizing IBM Connections Look and Feel

Jerald Mahurin
SNAPPS

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About Me

- **Jerald Mahurin, Vice President, SNAPPS**
 - With IBM Business Partners for 19 years; now with SNAPPS 10 years
 - Frequent speaker at Lotusphere, user groups, Collaboration University
 - Directs support, development, and delivery of services for enterprise clients





The Iam Lotus User Group



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What I'll Cover ...

- Tools of the Connections trade
- Knowing where to find things
- Customizing JSP's
- Using styles for branding
- Customizing the Login page
- Removing Community Themes
- Wrap-up

Themes

- **Technologies:**

- ◆ HTML, CSS, JavaScript, JSPs

- **Tools?**

- ◆ Your choice...ours is Eclipse + Aptana + Subversion
- ◆ Let's review some of the “tools of the trade” that are used outside the IDEs

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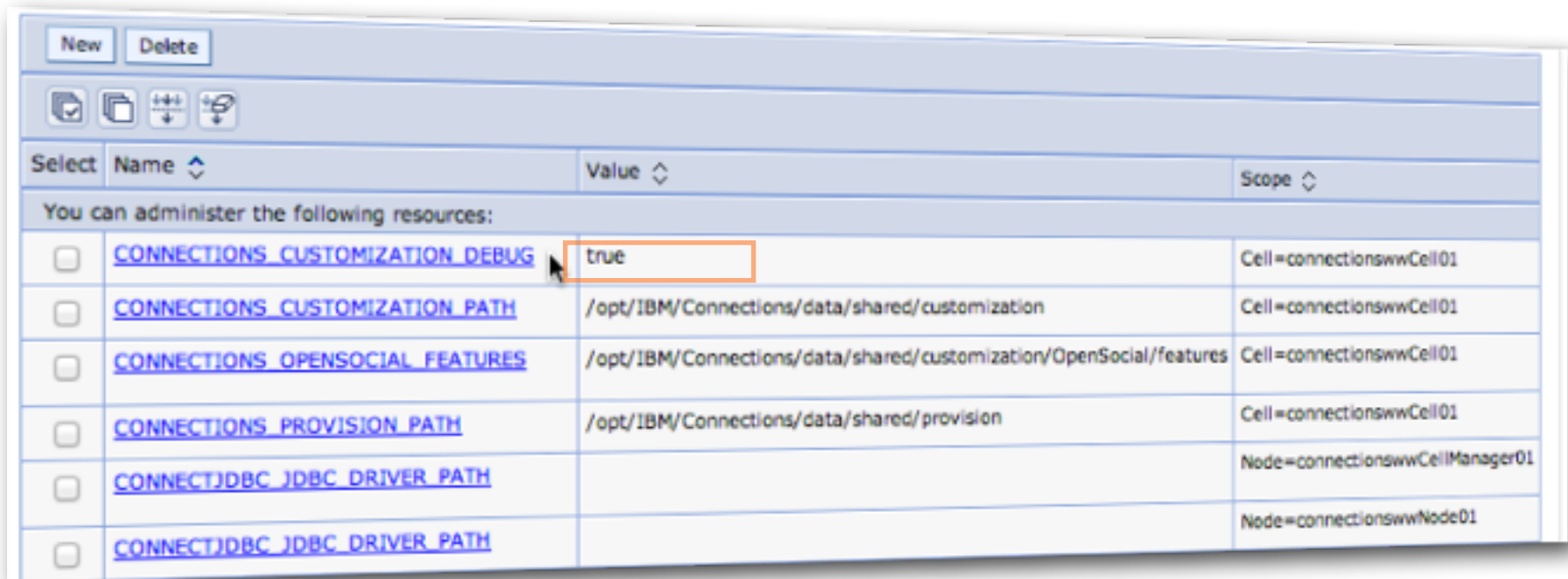
Making changes more dynamic

- **Enable customization debugging by changing the environment variable**

CONNECTIONS_CUSTOMIZATION_DEBUG = true

- **Restart connections server**
- **This setting is not for production**

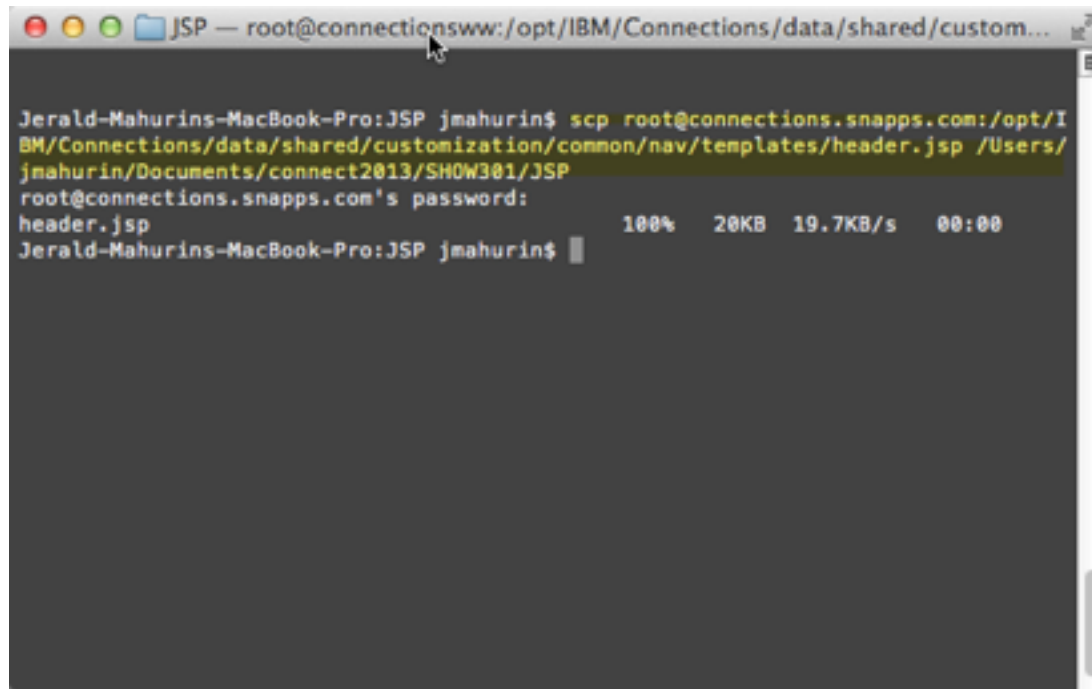
Making changes more dynamic



The screenshot shows a configuration management interface with a table of resources. The table has columns for 'Select', 'Name', 'Value', and 'Scope'. The first row is highlighted, and its 'Value' cell is enclosed in an orange box. The text 'You can administer the following resources:' is displayed above the table.

Select	Name	Value	Scope
<input type="checkbox"/>	CONNECTIONS_CUSTOMIZATION_DEBUG	true	Cell=connectionswwCell01
<input type="checkbox"/>	CONNECTIONS_CUSTOMIZATION_PATH	/opt/IBM/Connections/data/shared/customization	Cell=connectionswwCell01
<input type="checkbox"/>	CONNECTIONS_OPENSOCIAL_FEATURES	/opt/IBM/Connections/data/shared/customization/OpenSocial/features	Cell=connectionswwCell01
<input type="checkbox"/>	CONNECTIONS_PROVISION_PATH	/opt/IBM/Connections/data/shared/provision	Cell=connectionswwCell01
<input type="checkbox"/>	CONNECTJDBC_JDBC_DRIVER_PATH		Node=connectionswwCellManager01
<input type="checkbox"/>	CONNECTJDBC_JDBC_DRIVER_PATH		Node=connectionswwNode01

Managing Remote Files the Hard Way: Terminal



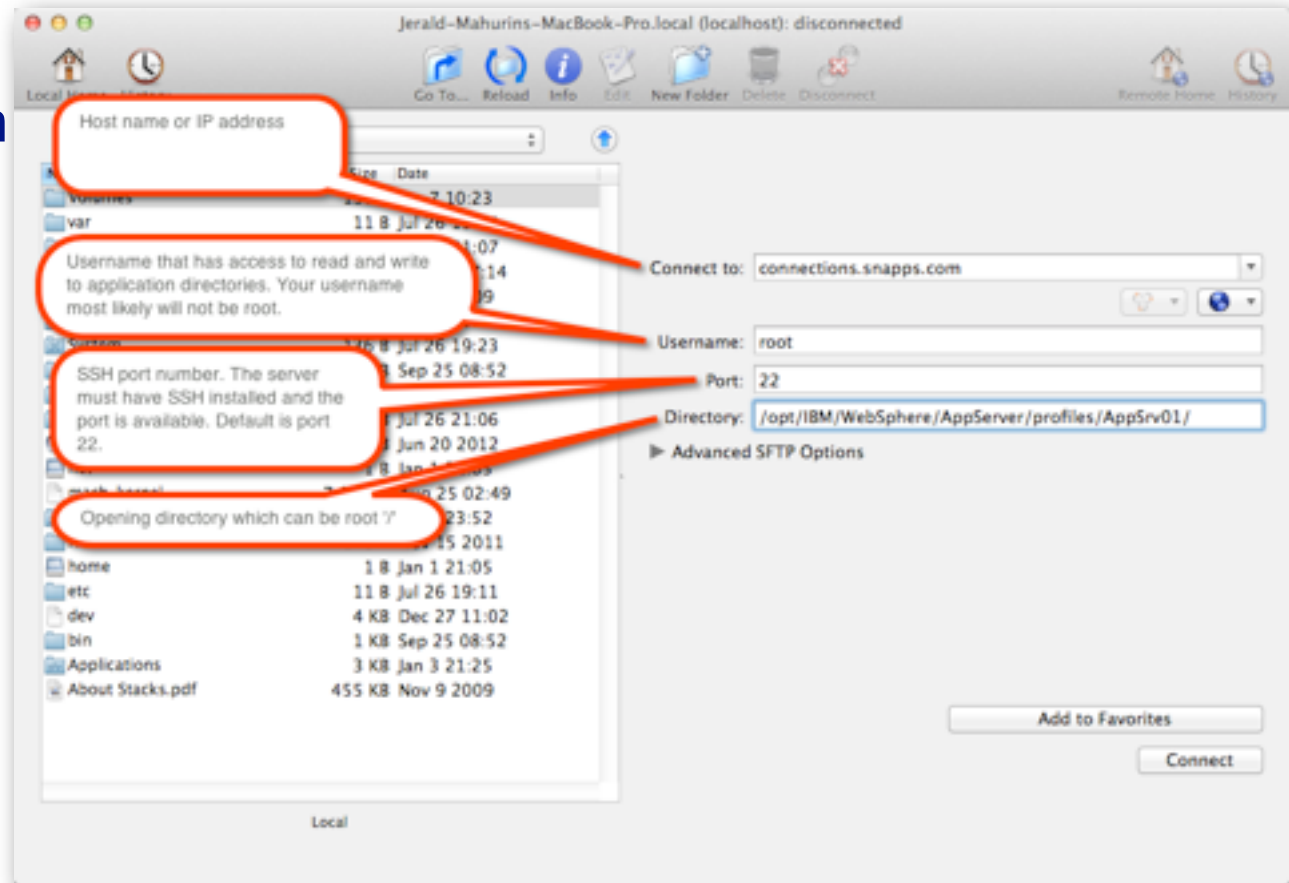
```
JSP — root@connectionsww:/opt/IBM/Connections/data/shared/custom...  
Jerald-Mahurins-MacBook-Pro:JSP jmahurin$ scp root@connections.snapps.com:/opt/IBM/Connections/data/shared/customization/common/nav/templates/header.jsp /Users/jmahurin/Documents/connect2013/SHOW301/JSP  
root@connections.snapps.com's password:  
header.jsp 100% 20KB 19.7KB/s 00:00  
Jerald-Mahurins-MacBook-Pro:JSP jmahurin$
```

Remote File Management Tools in a Unix/Linux World

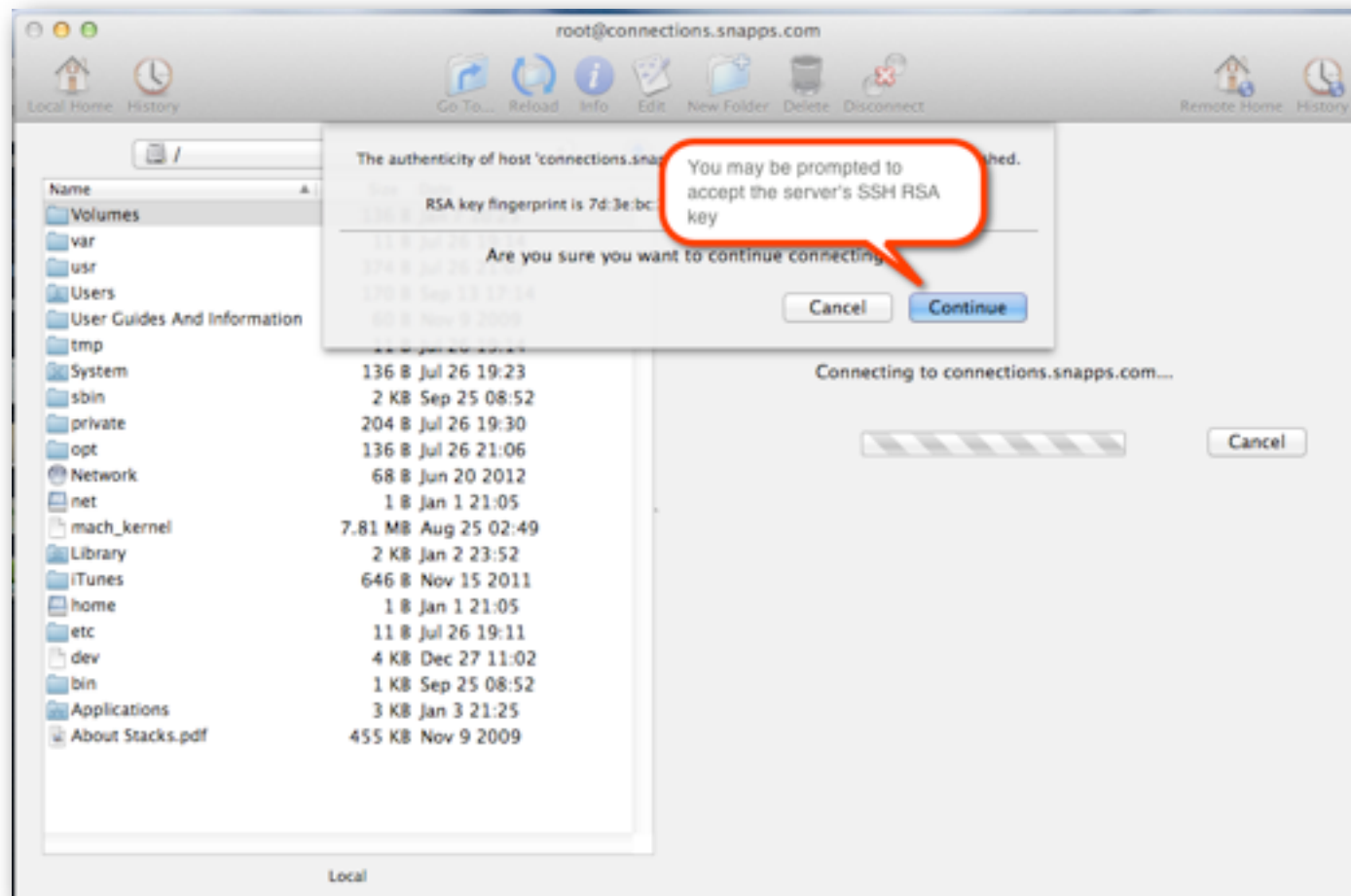
- **Terminal window**
 - ◆ Native Mac/Linux
 - ◆ PuTTY for Windows
- **Unix SCP/SFTP or Client**
 - ▶ CyberDuck (Mac & Windows)
 - ▶ Fugu (Mac)
 - ▶ WinSCP (Windows)
 - ▶ FileZilla (Mac, Windows & Linux)
- **Unix SCP command (Secure CoPy)**
 - ◆ `scp user@FromHost:/location/file user@ToHost:/location/`
 - ◆ `sftp/ftp` command

Or the Easy Way: SFTP Client (in our case, Fugu Login)

- You may have noticed by now my tools are primarily on a Macs
- Platform doesn't matter until you get into specific integration with another system that has a platform limitation
- For instance, integration with Domino applications may require Domino Designer



First time SSH access may prompt to accept RSA key



Note About SFTP: Be nice to your admins

- **SSH must be installed on the server**
- **Port 22 or equivalent must be available to you**
- **You will need Read & Write privileges to the file system**

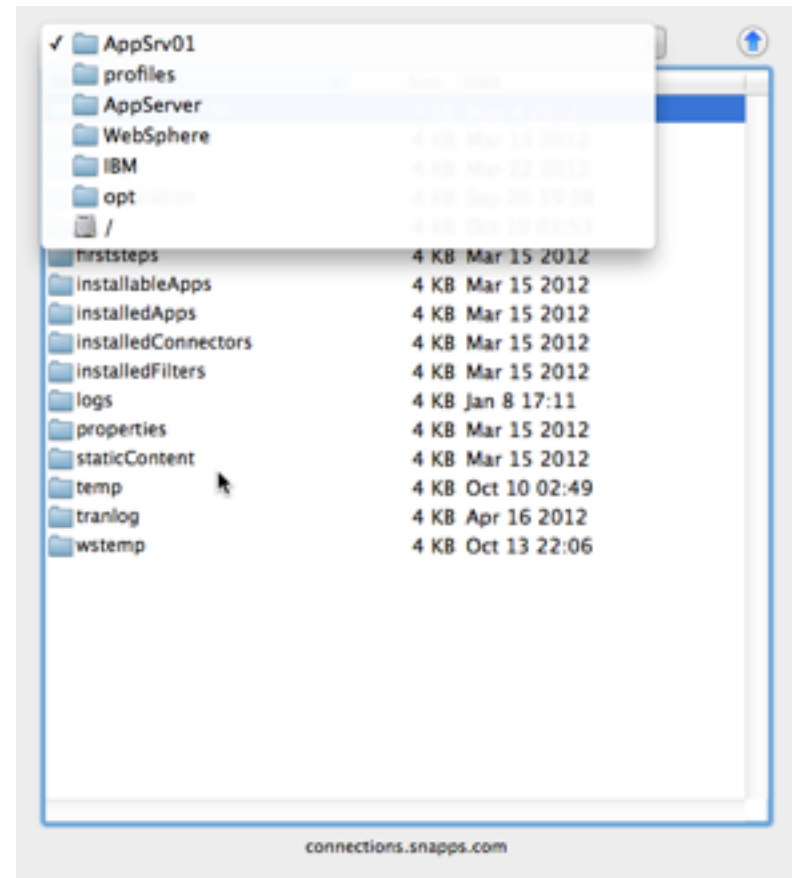
- **You now you wish you were nicer to your Administrators last week**

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Directory specified in login if your client provides this feature

- This slide simply illustrates the target directory for the AppServer
- Some clients (like Fugu) let you specify a “starting directory” which can be quite nice, because as you will soon see, directories in WebSphere are very very deep!



Customizing the Header JSP

- **Why? We want to do something you can't do easily with CSS (for illustration)**
- **Method: Find the default JSP and modify a copy of it**
- **Location of the default JSP is determined by the Connections installation**
- **Location:**

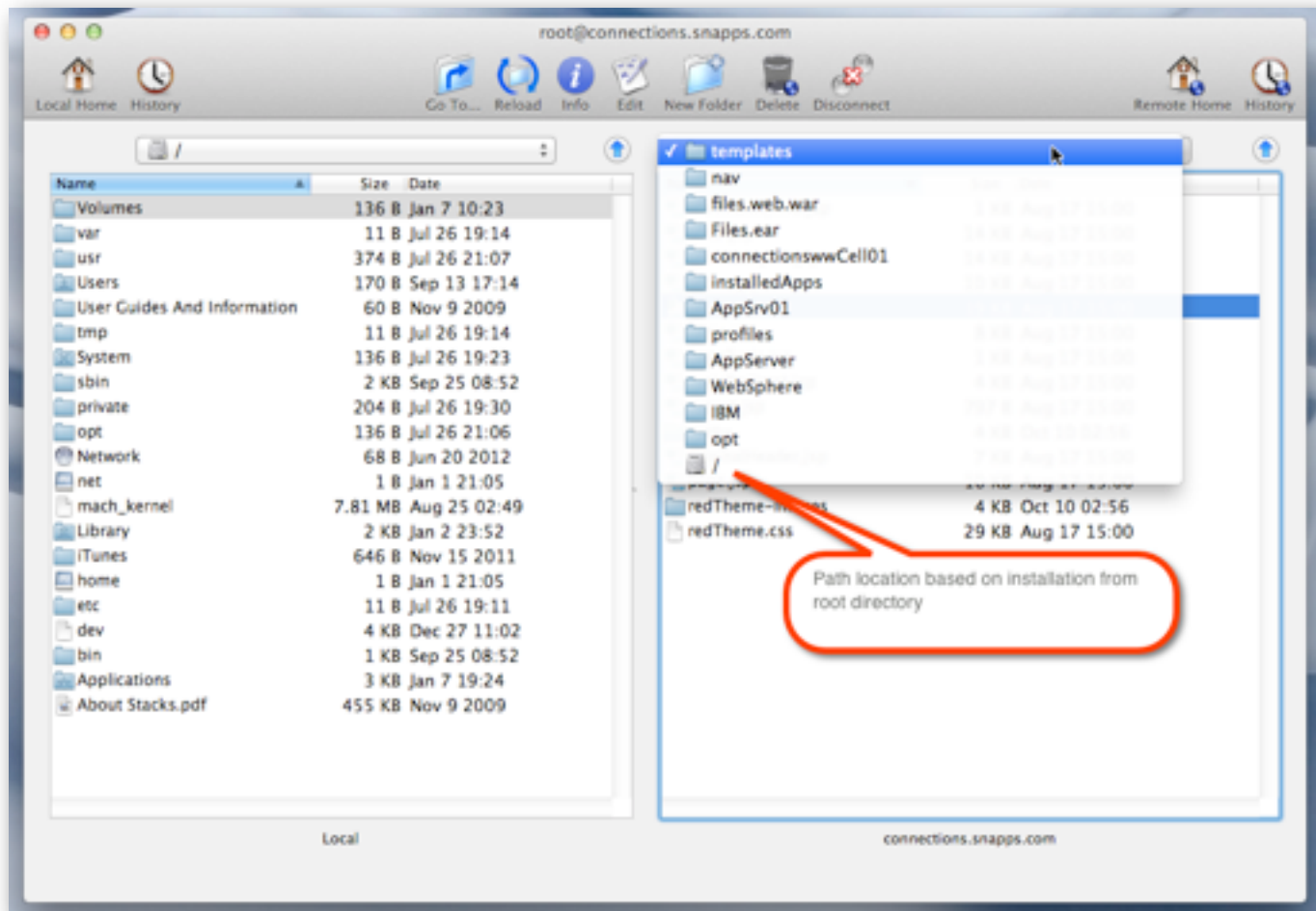
```
{WAS_HOME}/profiles/{profile_name}/installedApps/{cell_name}/  
{application_name.ear}/{application_name.war}/nav/templates/  
{files}
```


Customizing the Header JSP

- **Mine looks something like this:**

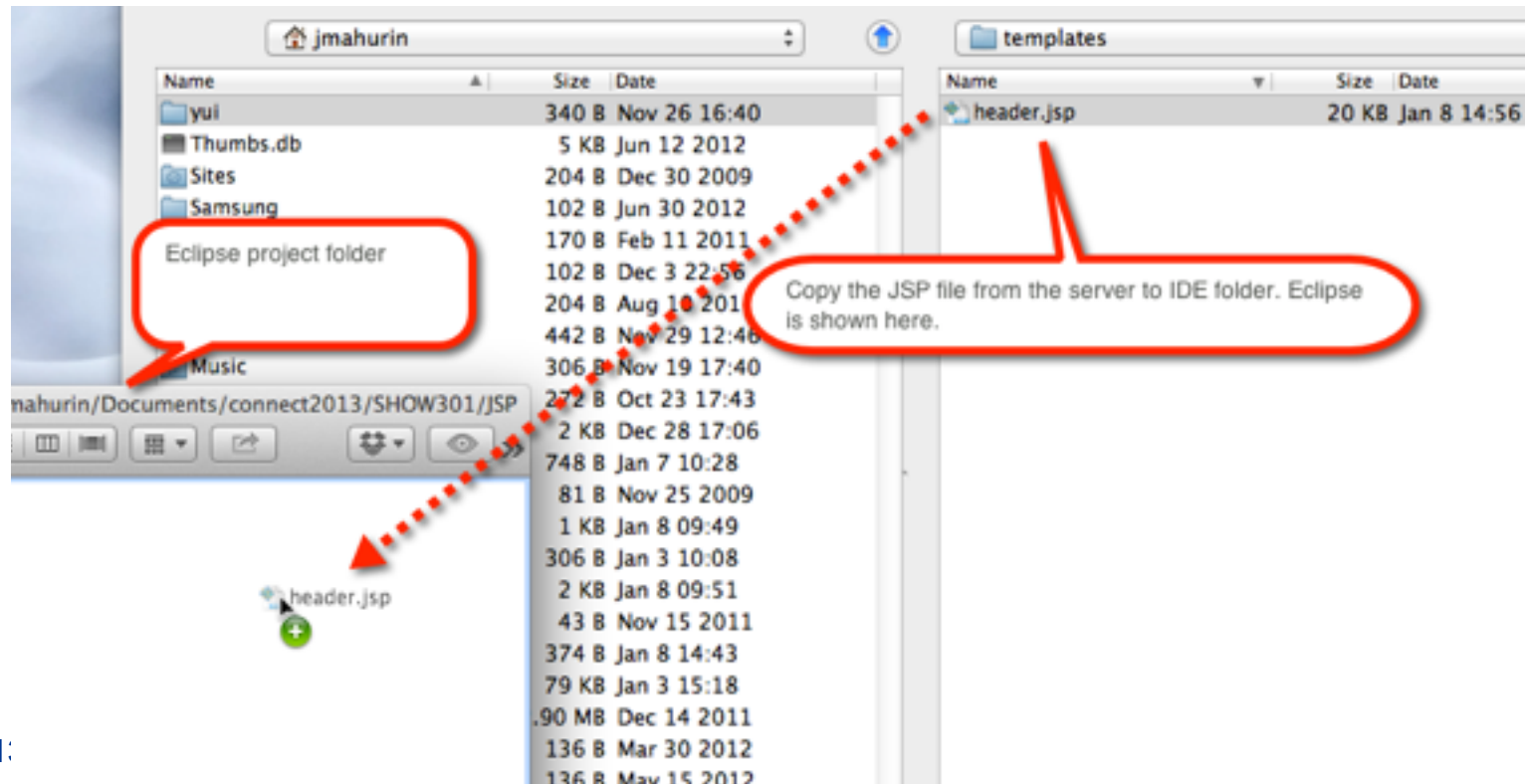
```
/opt/IBM/WebSphere/AppServer/profiles/AppSrv01/installedApps/  
connectionswwCell01/Common.ear/connections.info.war/nav/templates/  
header.jsp
```

Navigate to your target file



Copy the file to your local workstation (Eclipse project folder)

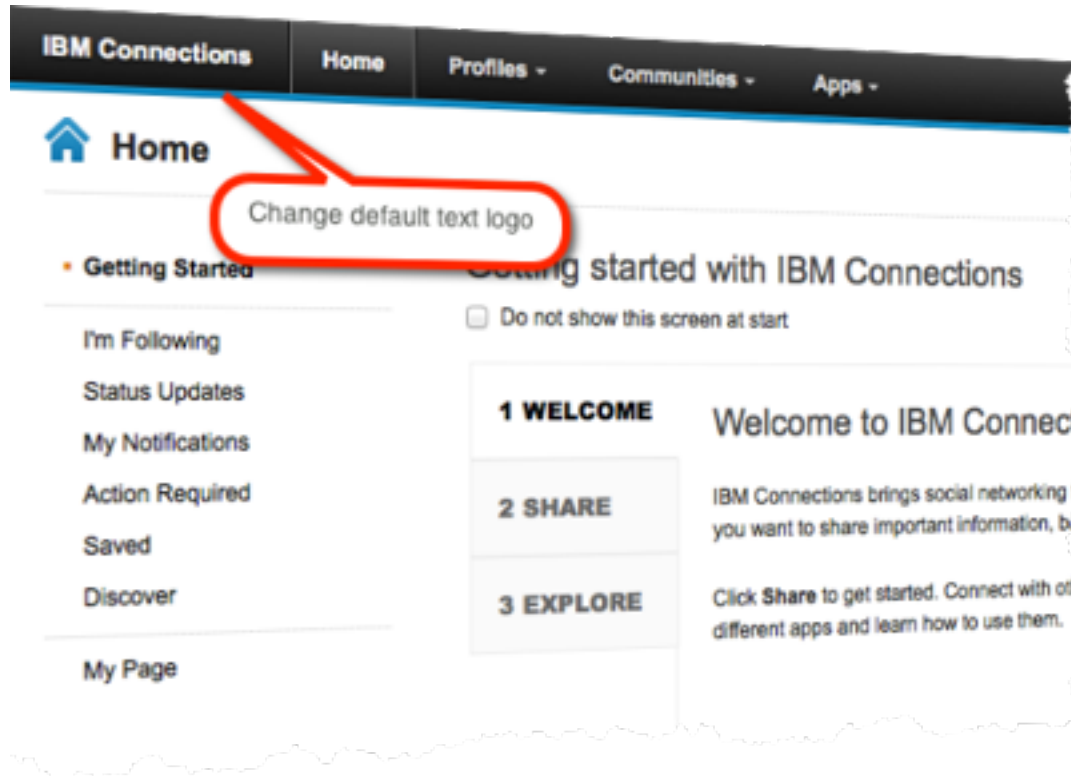
- Never, ever, ever make changes in-line live to the JSPs on the Connections server, your admin will hunt you down



What I'll Cover ...

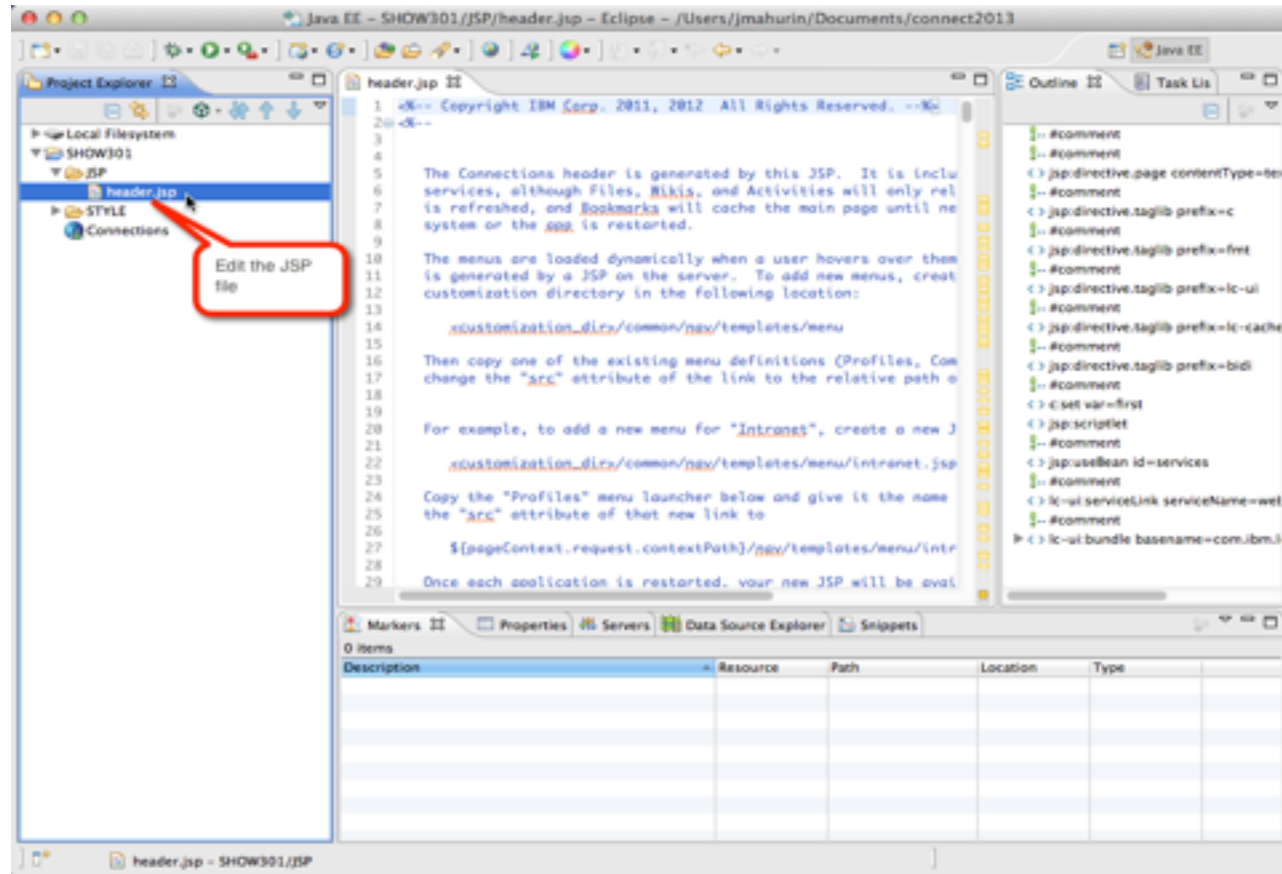
- Tools of the Connections trade
- Knowing where to find things
- **Customizing JSP's**
- Using styles for branding
- Customizing the Login page
- Removing Community Themes
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We are going to change the text logo in the header.jsp



Edit file in Eclipse Java EE editor

- Another editor or perspective can be used, but may lack the convenience of the Outline
- The Eclipse IDE can offer version control and facilitate collaborative development
- Built-in mini Web server



Make customizations with chosen editor

```
70
71 <a href="#mainContent" id="lotusAccessLinkMainContent" accesskey="5" class="lotusAccess">
72 
73 </a>
74 <a href="#tabNavigation" id="lotusAccessLinkTabNavigation" accesskey="1" class="lotusAccess">
75 
76 </a>
77 <a href="#subNavigation" id="lotusAccessLinkSubNavigation" accesskey="2" class="lotusAccess">
78 
79 </a>
80
81
82 This section displays the IBM Connections logo.
83
84 --%><div class="lotusLogo" id="lotusLogo"><span class="lotusAltText">IBM Connections</span></div><%--
85
86
87 This section displays the user name, log in and log out links, help, language selector, and settings links.
88
89 --%><ul class="lotusInlinelist lotusUtility lotusNowrap" id="headerMenuContainer"><%--
90 --%><li class="lotusFirst" id="headerUserText" <c:if test="${!hasUsername}">style="display: none;"</c:if><span class="lotusUserText" id="headerUserName">
91 --%></li></ul><%--
```

Simple modification of the JSP to change the logo text

Shown here changing the logo text to corporate name

```
src="<lc-ui:blankGif />" alt="Skip to main content link. Accesskey 5" />  
="#tabNavigation" id="lotusAccessLinkTabNavigation" accesskey="1" class="lotusAccess">  
src="<lc-ui:blankGif />" alt="Skip to tab navigation link. Accesskey 1" />  
="#subNavigation" id="lotusAccessLinkSubNavigation" accesskey="2" class="lotusAccess">  
src="<lc-ui:blankGif />" alt="Skip to sub navigation. Accesskey 2" />
```

Change logo text

ction displays the IBM Connections [logo](#).

```
v class="lotusLogo" id="lotusLogo"><span class="lotusAltText">SNAPPS</span></div><%--
```

ction displays the user name, log in and log out links, help, language selector, and settings links.

```
class="lotusInlinelist lotusUtility lotusNowrap" id="headerMenuContainer"><%--  
<li class="lotusFirst" id="headerUserText" <c:if test="${!hasUsername}">style="display: none;"</c:if>><span  
-%><span class="lotusUser" id="headerUserName"
```

Now you need to know where to put your customized JSP

- Not knowing where to put things can be frustrating
- You *don't* have to configure your IDE to compile JSPs
- Connections will do it for you
- You *don't* have to configure Tomcat in your IDE

Open the Integrated Solutions Console (ISC)

- **URL:** `https://{host}:9043/admin`
- **Navigate to the ISC console**
- **The default port is 9043 (Yours may vary)**
- **Shows you where find resources**
- **Locations are set during installation**

Find the customization locations in ISC

The screenshot shows the IBM Connections Administration console. On the left is a navigation tree with the following items: Welcome, Guided Activities, Servers, Applications, Security, Environment (expanded), System administration, Users and Groups, Monitoring and Tuning, Troubleshooting, Service integration, and UDDI. The 'Environment' section is expanded to show: Virtual hosts, Update global Web server plug-in, WebSphere variables, Shared libraries, Replication domains, URI Groups, and Naming. A callout labeled '1' points to 'Open Environment'. A callout labeled '2' points to 'WAS Variables'. The main area displays a table of system properties. A callout labeled '3' points to the row for 'CONNECTIONS_CUSTOMIZATION_PATH'.

<input type="checkbox"/>	ACTIVITY_STREAM_SEARCH_INDEX_DIR	/opt/IBM/Connections/data/local/news/search/index	Cell=connectionswwCell01
<input type="checkbox"/>	ACTIVITY_STREAM_SEARCH_REPLICATION_DIR	/opt/IBM/Connections/data/shared/news/search/indexReplication	Cell=connectionswwCell01
<input type="checkbox"/>	APP_INSTALL_ROOT	\${USER_INSTALL_ROOT}/installedApps	Node=connectionswwCellManager01
<input type="checkbox"/>	APP_INSTALL_ROOT	\${USER_INSTALL_ROOT}/installedApps	Node=connectionswwNode01
<input type="checkbox"/>	ARS_NAME	ibmARS.ear	Node=connectionswwCellManager01
<input type="checkbox"/>	ARS_NAME	ibmARS.ear	Node=connectionswwNode01
<input type="checkbox"/>	ARS_NAME	ibmARS.ear	Node=WebserverNode01,Server=Webserver1
<input type="checkbox"/>	AUDIT_FILE_ROOT_DIR	/opt/IBM/Connections/data/shared/audit	Cell=connectionswwCell01
<input type="checkbox"/>	BLOGS_CONTENT_DIR	/opt/IBM/Connections/data/shared/blogs/upload	Cell=connectionswwCell01
<input type="checkbox"/>	BLOGS_HOME	/opt/IBM/Connections/blogs/blogs/blogs	Cell=connectionswwCell01
<input type="checkbox"/>	BLOGS_JDBC_DRIVER_HOME	/opt/ibm/tdsv6.3db2/java	Cell=connectionswwCell01
<input type="checkbox"/>	CATALOG_INDEX_DIR	/opt/IBM/Connections/data/local/catalog/index	Cell=connectionswwCell01
<input type="checkbox"/>	CATALOG_REPLICATION_DIR	/opt/IBM/Connections/data/shared/catalog/indexReplication	Cell=connectionswwCell01
<input type="checkbox"/>	COMMUNITIES_CUSTOMIZATION_PATH	/opt/IBM/Connections/data/shared/communities	Cell=connectionswwCell01
<input type="checkbox"/>	COMMUNITIES_CUSTOMIZATION_PATH	/opt/IBM/Connections/data/shared/communities	Cell=connectionswwCell01
<input type="checkbox"/>	COMMUNITIES_CUSTOMIZATION_PATH	/opt/IBM/Connections/data/shared/communities/statistics	Cell=connectionswwCell01

Page: 1 of 7 Total 137

Jackpot: your customization path

Scope: =All scopes





Show scope selection drop-down list with the all scopes option

Scope specifies the level at which the resource definition is visible. For detailed information on what scope is and how it works, [see the scope settings help](#).

All scopes

Preferences

New Delete

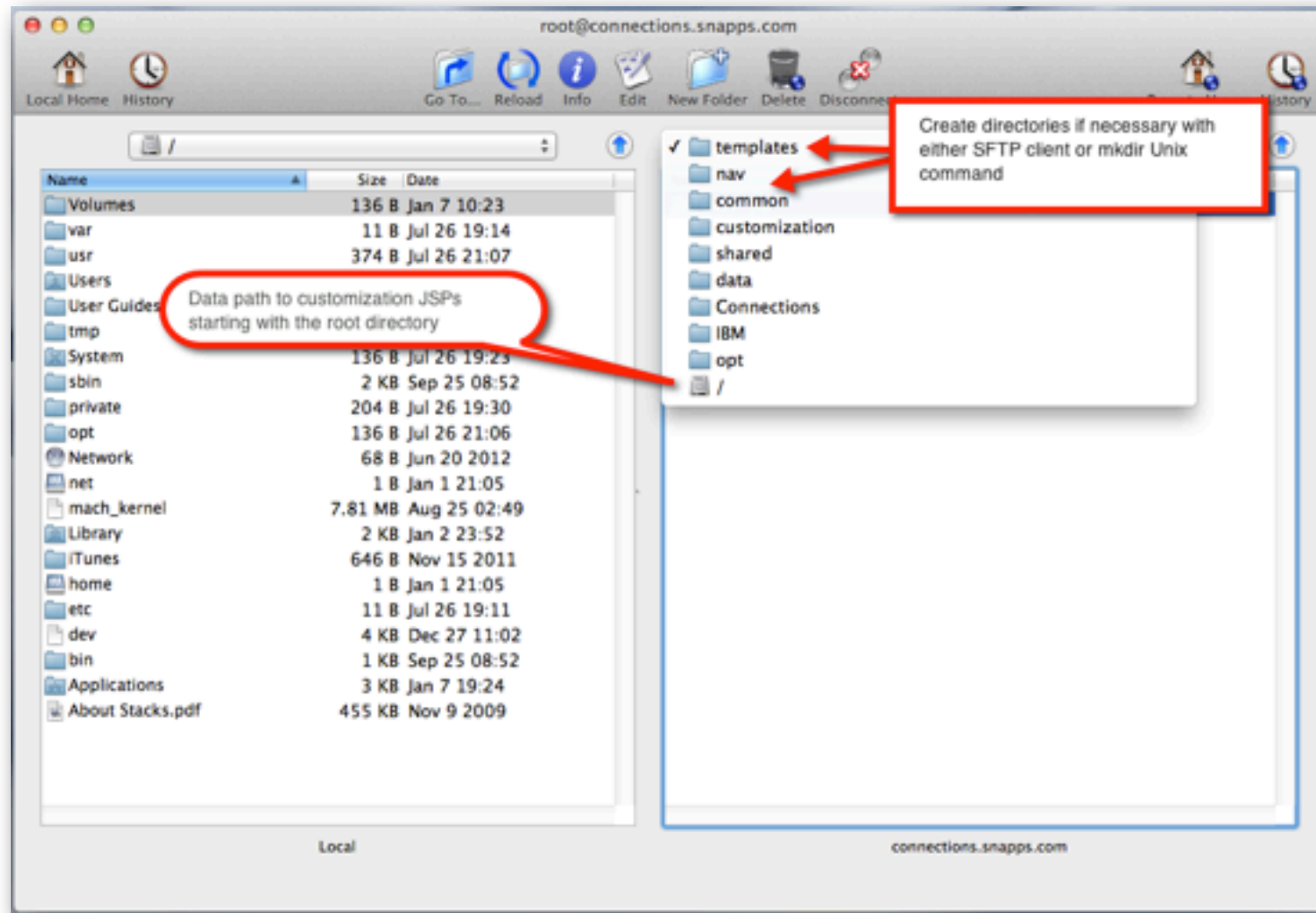
   

Select	Name	Value	Scope
<input type="checkbox"/>	CONNECTIONS_CUSTOMIZATION_DEBUG	true	Cell=connectionswwCell01
<input type="checkbox"/>	CONNECTIONS_CUSTOMIZATION_PATH	/opt/IBM/Connections/data/shared/customization	Cell=connectionswwCell01
<input type="checkbox"/>	CONNECTIONS_OPENSOCIAL_FEATURES	/opt/IBM/Connections/data/shared/customization/OpenSocial/features	Cell=connectionswwCell01
<input type="checkbox"/>	CONNECTIONS_PROVISION_PATH	/opt/IBM/Connections/data/shared/provision	Cell=connectionswwCell01
<input type="checkbox"/>	CONNECTJDBC_JDBC_DRIVER_PATH		Node=connectionswwCellManager01

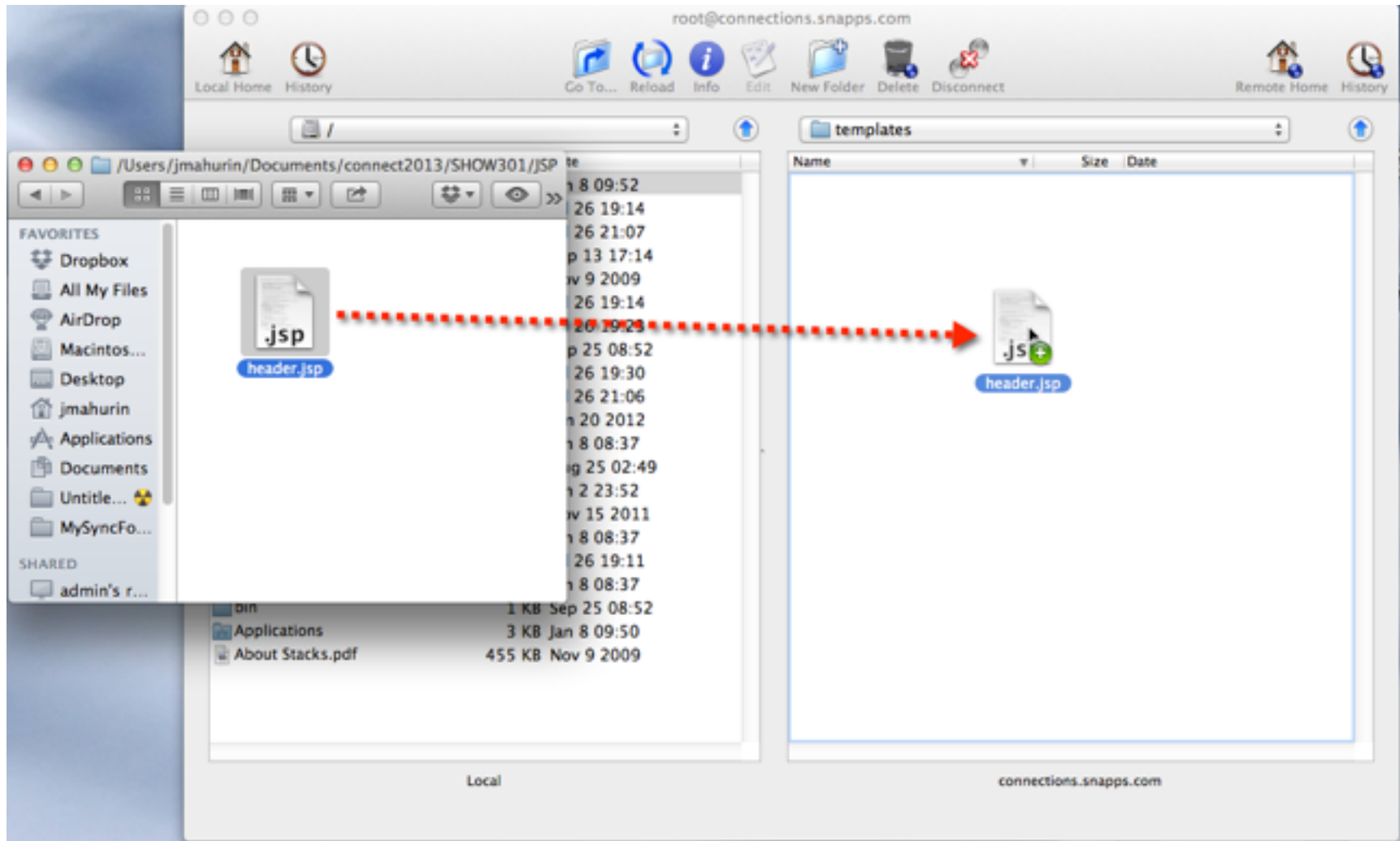
You can administer the following resource

Environment variable to customization path

You may need to create directories...



Copy the JSP file in the templates folder from your IDE



Back to ISC: Stop & Start the Common application

1 In the ISC console open Applications

2 Click on the WebSphere enterprise applications link

3 Check the application(s) to restart

4 Click the Stop and then the Start button

View: All tasks

- Welcome
- Guided Activities
- Servers
- Applications
 - New Application
 - Application Types
 - WebSphere enterprise applications
 - Business-level applications
 - Assets
- Services
- Resources
- Security
- Environment
- System administration
- Users and Groups
- Monitoring and Tuning
- Troubleshooting
- Service integration
- UDDI

Cell=con

Enterprise Applications

Use this page to manage installed applications. A single application can be deployed onto multiple servers.

Preferences

Start Stop Install Uninstall Update Rollout Update Remove File Export Export DDL Export File

Select	Name	Application Status
You can administer the following resources:		
<input type="checkbox"/>	Activities	➔
<input type="checkbox"/>	Blogs	➔
<input checked="" type="checkbox"/>	Common	➔
<input type="checkbox"/>	Communities	➔
<input type="checkbox"/>	DefaultApplication	✖
<input type="checkbox"/>	Docgear	➔
<input type="checkbox"/>	Files	➔
<input type="checkbox"/>	Forums	➔
<input type="checkbox"/>	Help	➔

Delete your browser's cache and refresh

The screenshot shows the IBM Connections user interface. At the top is a dark navigation bar with 'SNAPPS', 'Home', 'Profiles', 'Communities', and 'Apps'. Below this is a 'Home' header with a house icon. A sidebar on the left lists navigation options: 'Getting Started' (highlighted), 'I'm Following', 'Status Updates', 'My Notifications', 'Action Required', 'Saved', 'Discover', and 'My Page'. The main content area is titled 'Getting started with IBM Connections' and includes a checkbox for 'Do not show this screen at start'. A red callout box with a white background and a red border points to the 'Getting Started' sidebar item and contains the text: 'Restart the server or application to see the changes on the customized JSP'. Below the callout, the page shows '2 SHARE' and '3 EXPLORE' buttons, followed by a 'Welcome to IBM Connections' section with introductory text.

Restart the server or application to see the changes on the customized JSP

Welcome to IBM Connections

IBM Connections brings social networking to the enterprise, allowing you you want to share important information, build a network of useful contact

Click **Share** to get started. Connect with others and start exchanging info different apps and learn how to use them.

In case you thought that was too easy

- **It was**
- **But you learned something about**
 - ◆ The location of source files
 - ◆ How to download and change a common JSP page
 - ◆ Where files go
 - ◆ And how to apply your changes
- **Now let's do it again (sort of)**

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IBM Theme Frame

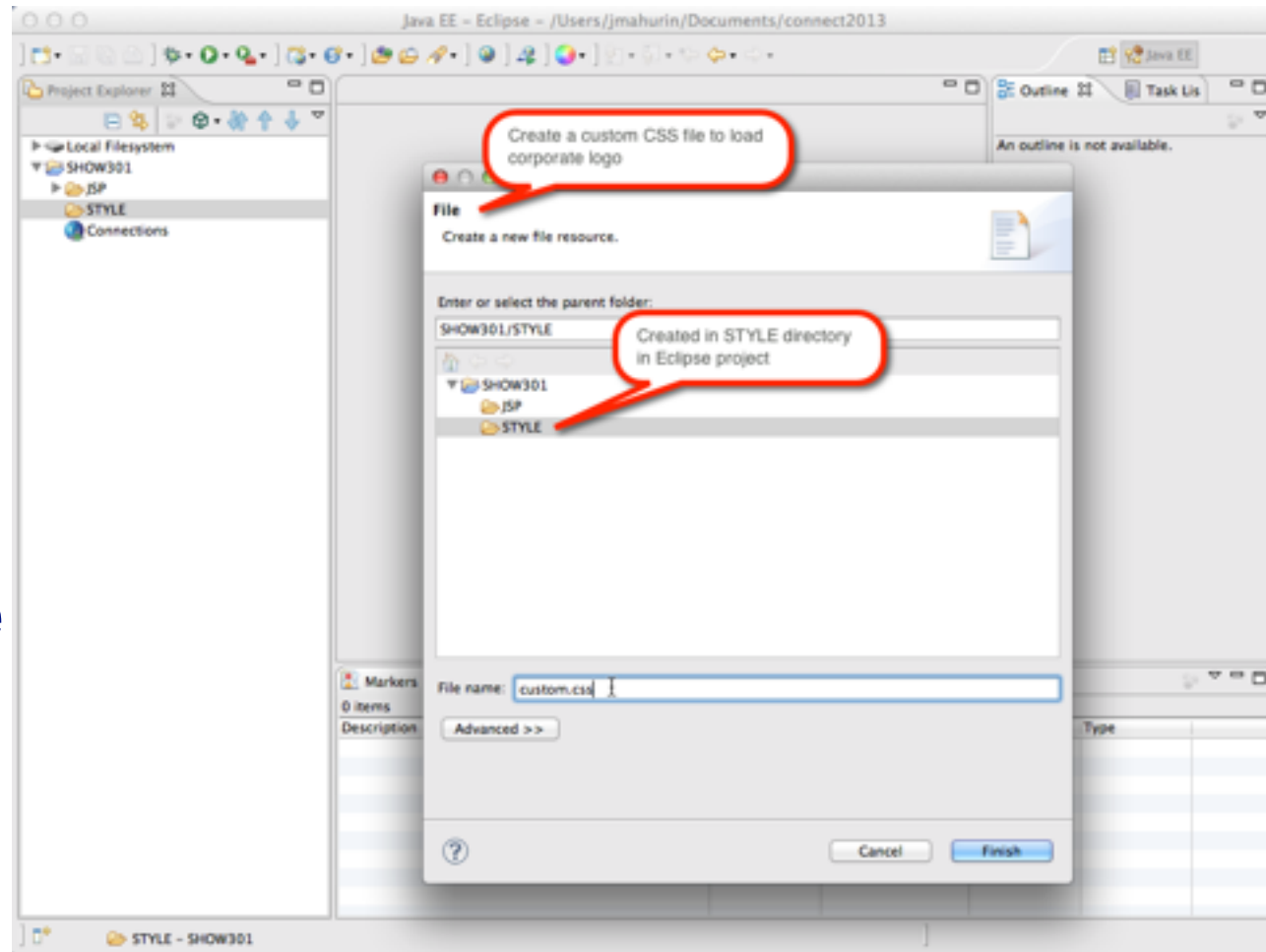
The image shows a screenshot of the IBM Connections Home page. The page is annotated with several colored boxes and arrows pointing to specific elements. The annotations are as follows:

- A blue arrow points from the top navigation bar to the text: **#lotusFrame .lotusui30_layout .lotusui30_layout**
- An orange arrow points from the left sidebar to the text: **#lotusBanner .lotusBanner**
- A blue arrow points from the main content area to the text: **#lotusMain .lotusMain**
- An orange arrow points from the left sidebar to the text: **#lotusColLeft .lotusColLeft**
- An orange arrow points from the main content area to the text: **#lotusContent .lotusContent**
- An orange arrow points from the footer to the text: **#lotusFooter .lotusFooter**

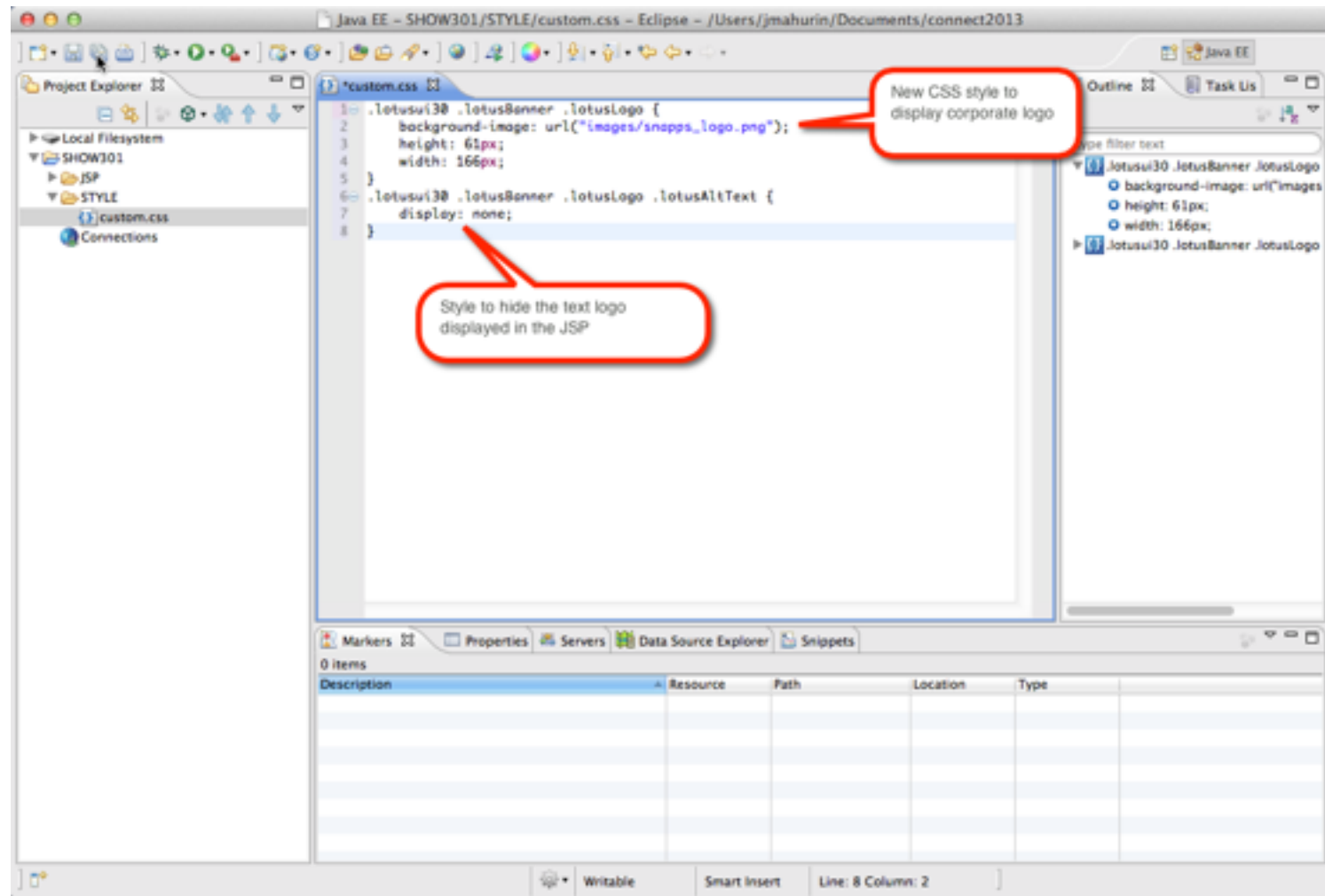
The page content includes a top navigation bar with links for IBM Connections, Home, Profiles, Communities, and Apps. The main content area features a "Getting started with IBM Connections" section with a "WELCOME" message and a "SHARE" button. The footer contains links for Home, Demo, Help, IBM Lotus Support Forums, Bookmarking Tools, About, IBM Connections on ibm.com, and Submit Feedback.

Try to do most customizations with styles

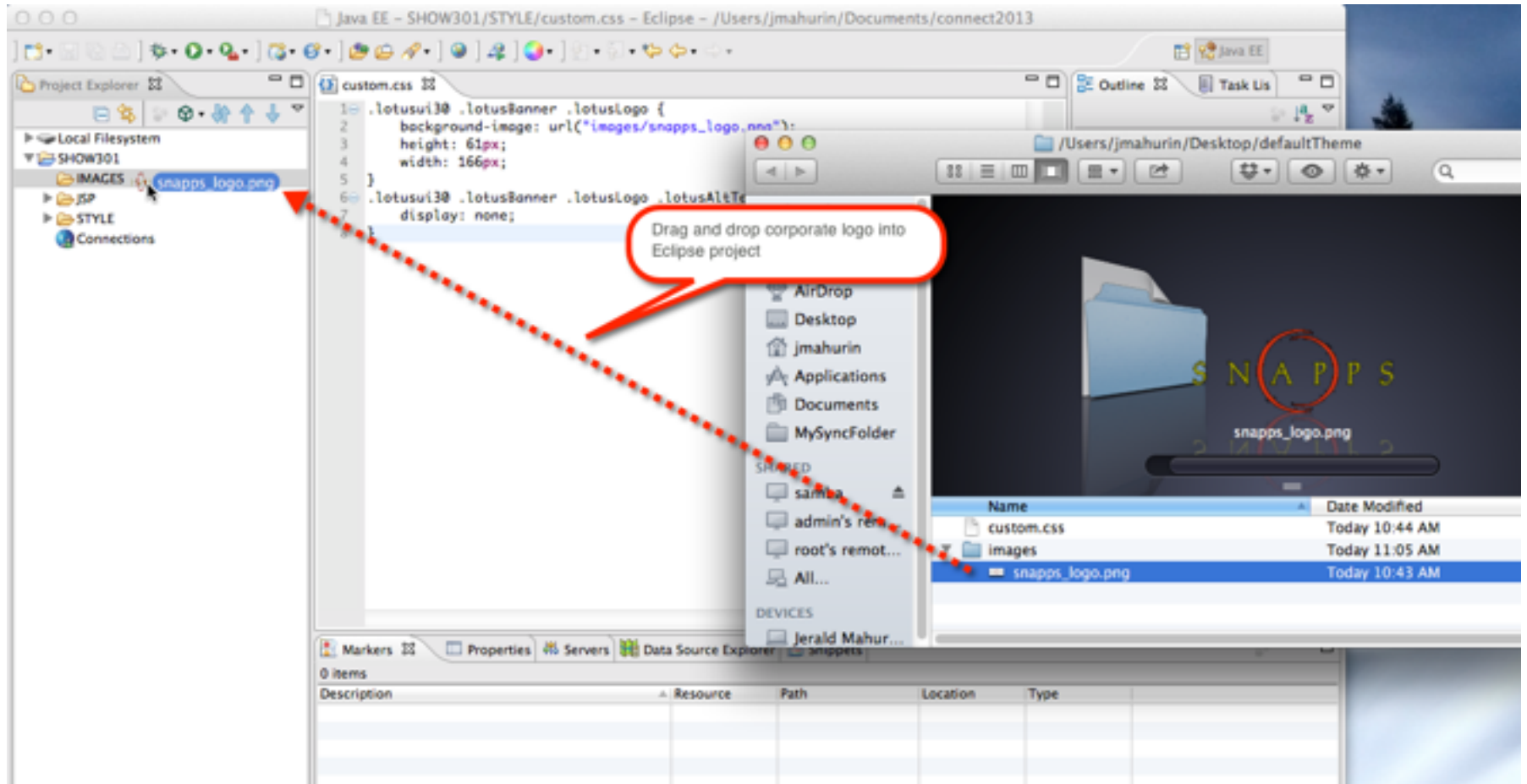
- Next we will create a custom CSS to load a corporate logo instead of words in the upper left corner
- In Eclipse, create a New - File



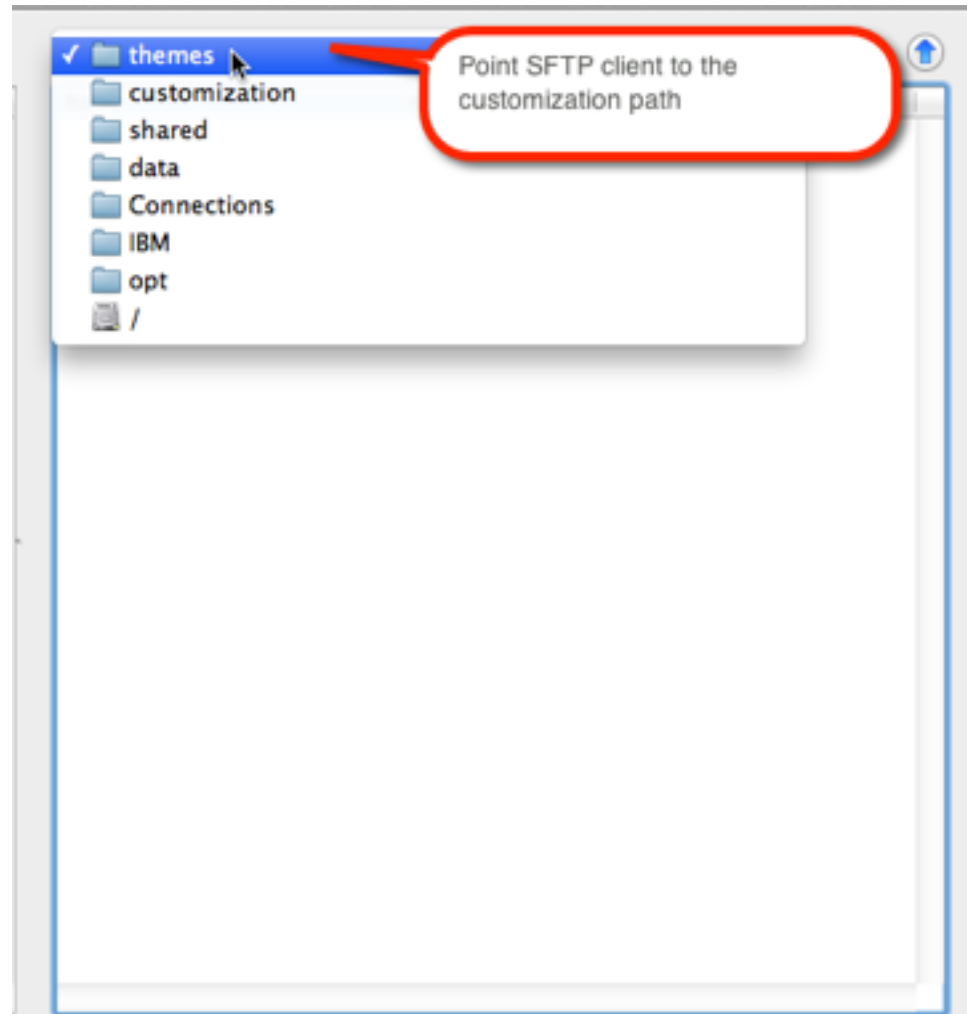
Create a file called “custom.css” in your IDE project



Bring your logo into your IDE environment if you like

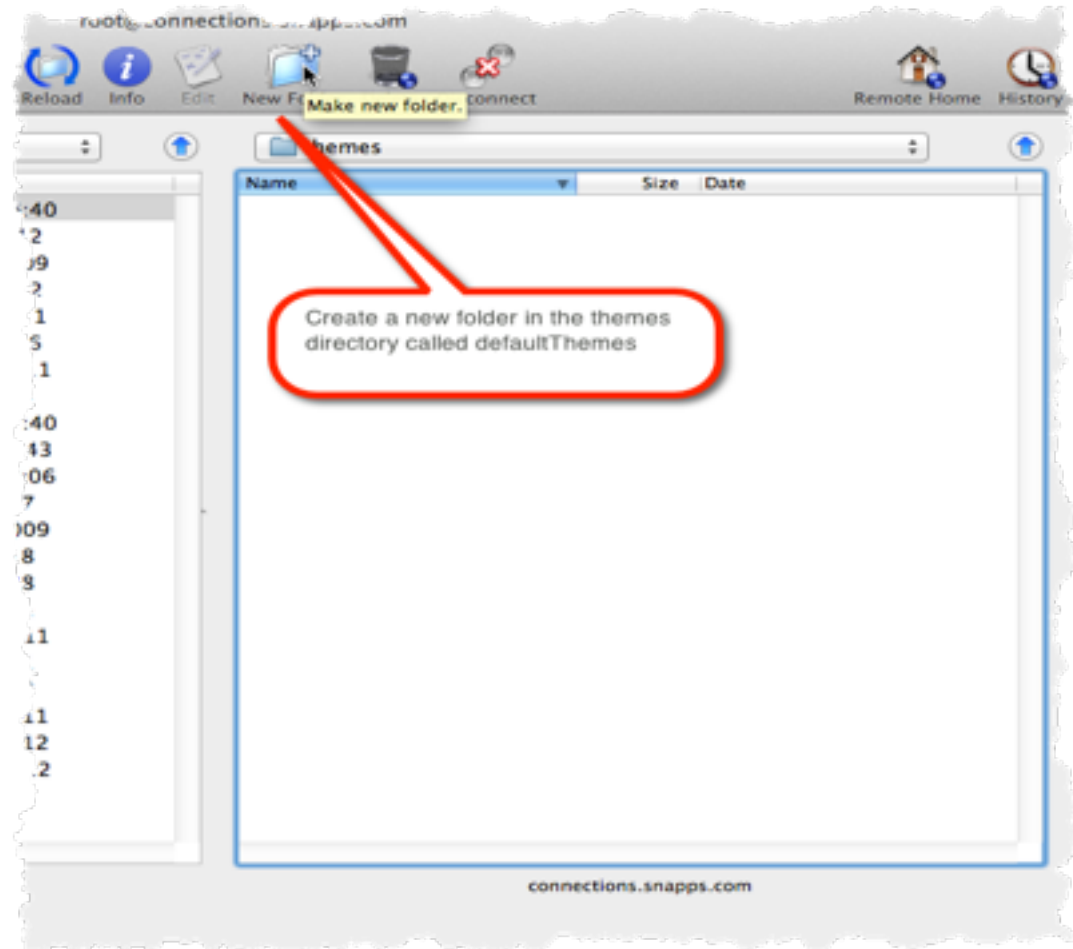


Navigate to the themes folder under customization on the server

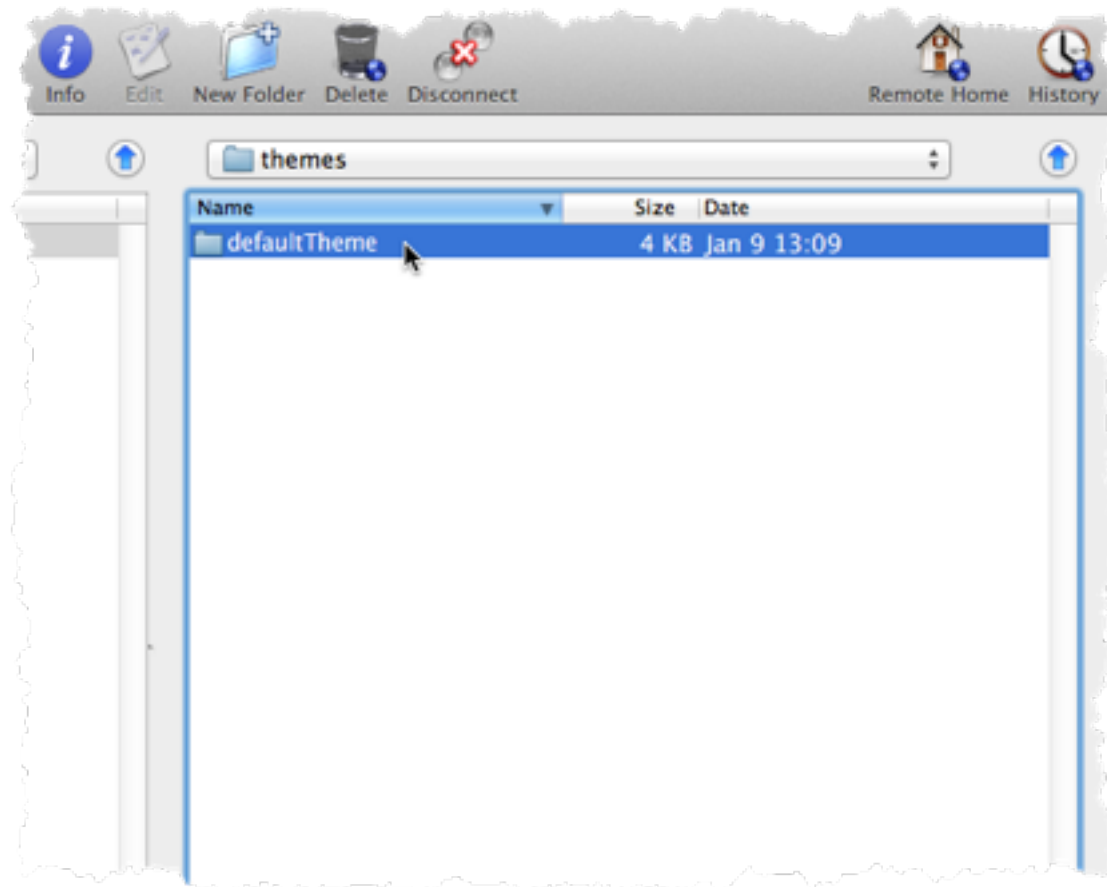


Create a folder called defaultTheme (mind the case)

- Note that the name of the folder is important for our purposes
- My full path
 - ◆ /opt/IBM/Connections/data/shared/customization/themes/defaultTheme/

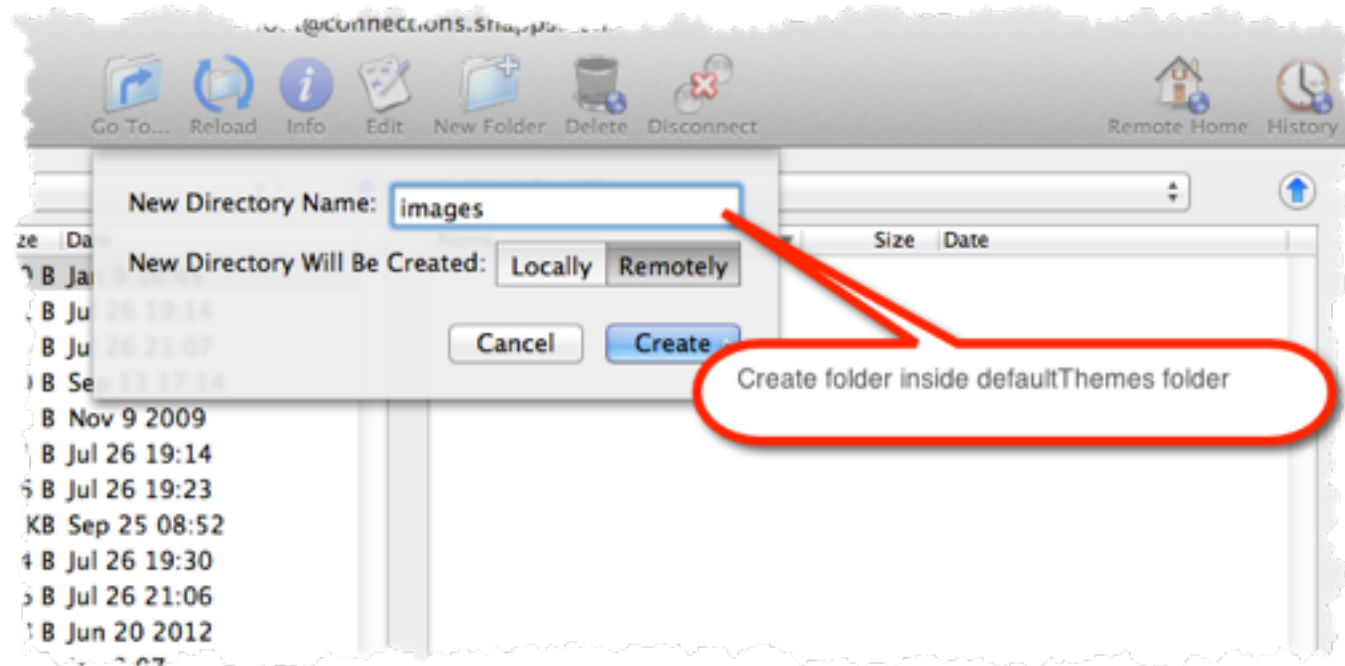


Here's where you will put your new custom CSS file



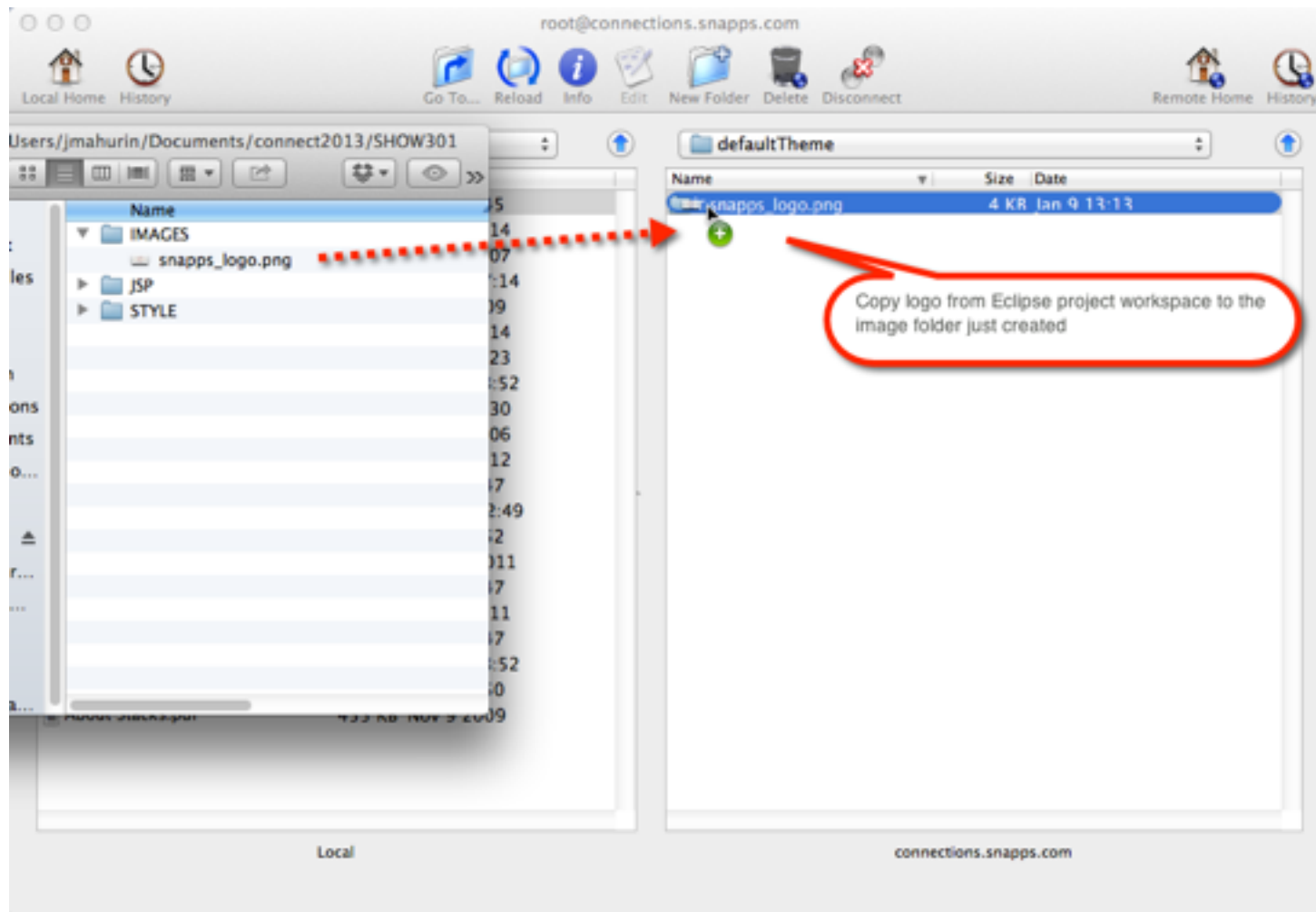
Create an images folder for the logo

- Image folder goes inside defaultTheme

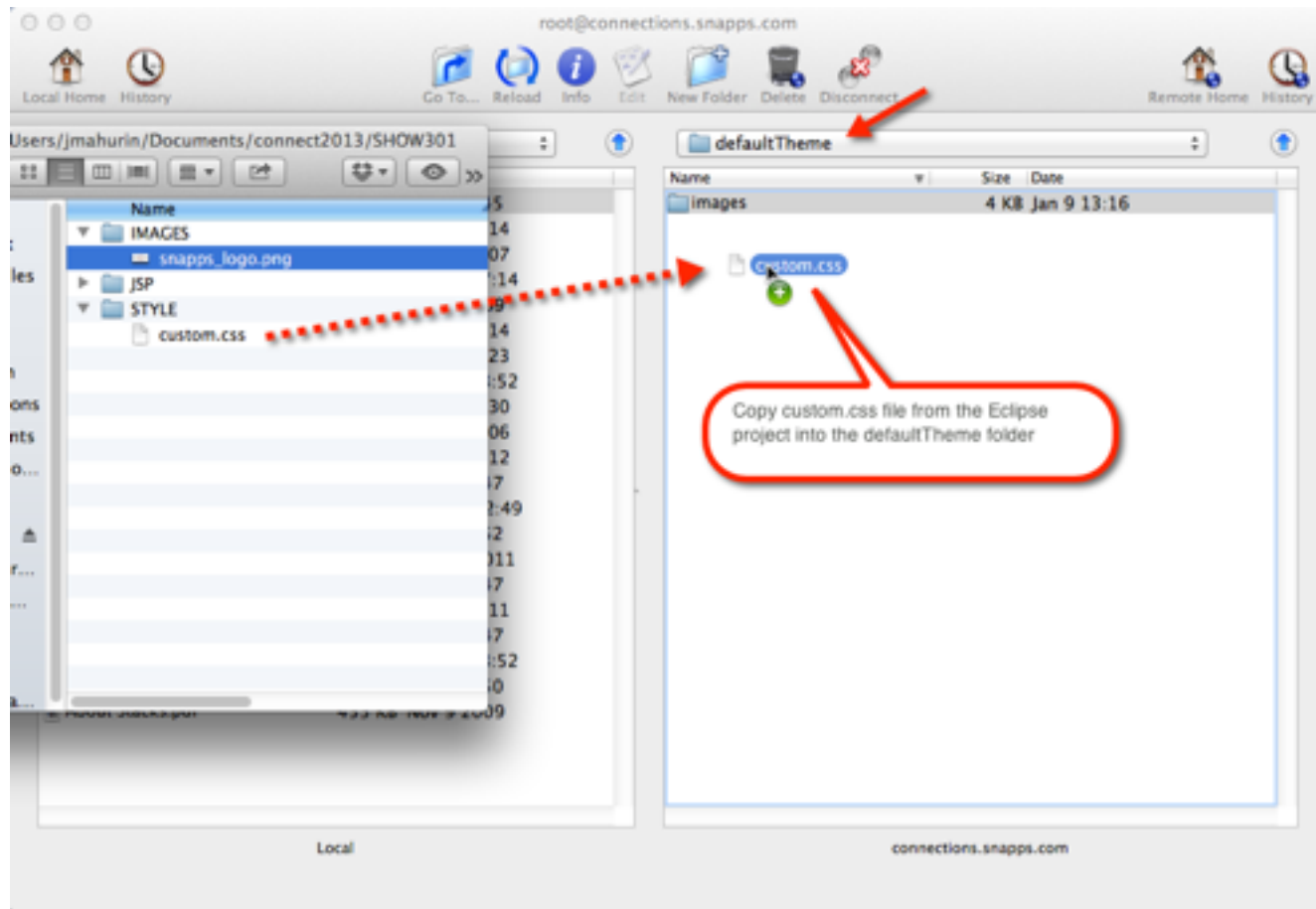


- `/opt/IBM/Connections/data/shared/customization/themes/defaultTheme/images/`

Copy the logo graphic into the image folder



And finally copy the CSS file into the defaultTheme folder



Start and Stop the Common application in ISC

1 In the ISC console open Applications

2 Click on the WebSphere enterprise applications link

3 Check the application(s) to restart

4 Click the Stop and then the Start button

View: All tasks

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- Service integration
- UDDI

Cell=coo

Enterprise Applications

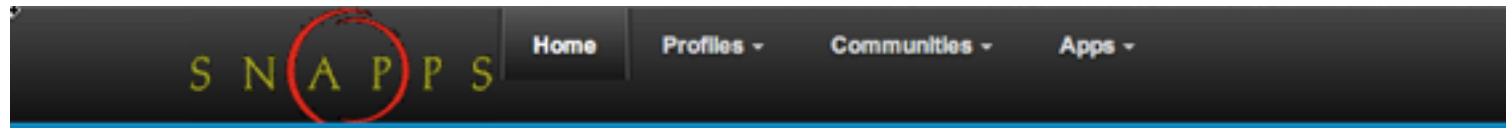
Use this page to manage installed applications. A single application can be deployed onto multiple servers.

Preferences

Start Stop Install Uninstall Update Rollout Update Remove File Export Export DDL Export File

Select	Name	Application Status
You can administer the following resources:		
<input type="checkbox"/>	Activities	➔
<input type="checkbox"/>	Blogs	➔
<input checked="" type="checkbox"/>	Common	➔
<input type="checkbox"/>	Communities	➔
<input type="checkbox"/>	DefaultApplication	✖
<input type="checkbox"/>	Docgear	➔
<input type="checkbox"/>	Files	➔
<input type="checkbox"/>	Forums	➔
<input type="checkbox"/>	Help	➔

If all goes well you will have your own logo



Home

Getting Started

- I'm Following
- Status Updates
- My Notifications
- Action Required
- Saved
- Discover

- My Page

Getting started with IBM Connections

Do not show this screen at start

1 WELCOME

Sorry, an error occurred

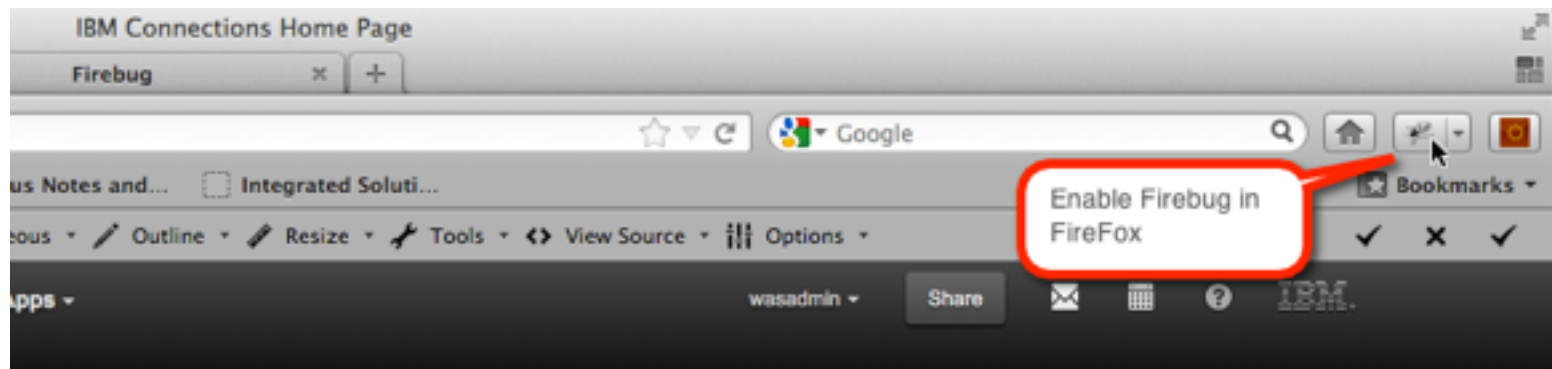
2 SHARE

3 EXPLORE

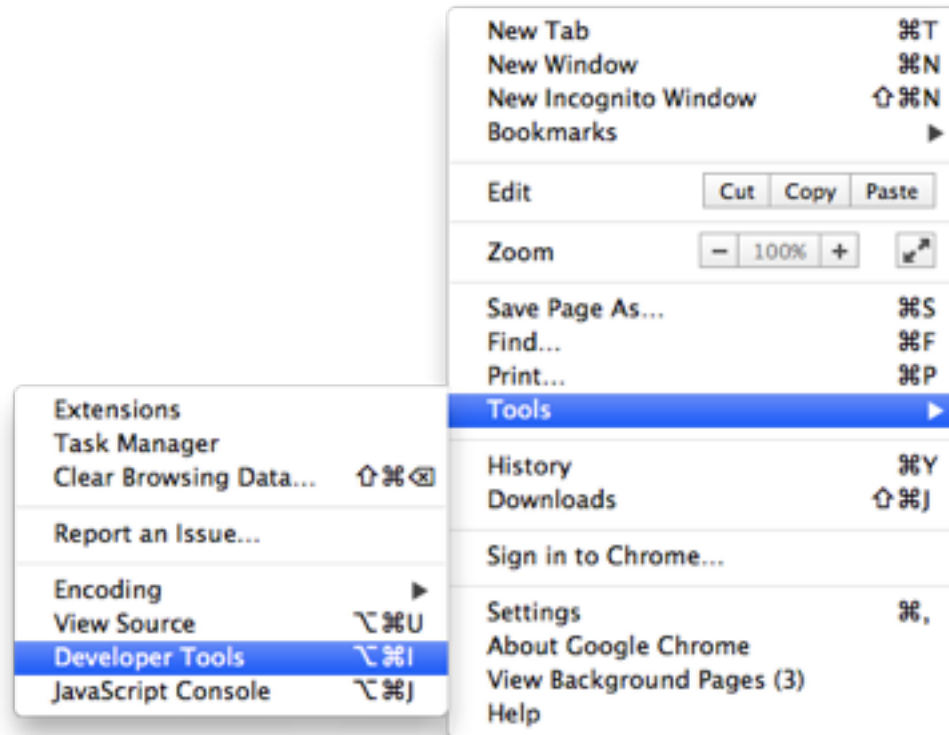
Notes about Styles:

- **Use styles to make theme changes when possible**
- **There are two special css file names you can use:**
 - ♦ **custom.css**
 - ♦ **defaultTheme.css**
- **When you stop & start the application the themes are combined**
- **Which one you use depends on the level of changes you are making**
- **Use custom.css for minor changes**
- **Use defaultTheme.css for a major overhaul**

You must install and enable Firebug (or other developer tools)



Developer Tools in Chrome



What the inspect view looks like in Chrome developer tools

The screenshot displays the Chrome Developer Tools interface. The top part shows the browser window with the URL `connections.snapps.com/homepage/web/gettingStarted/`. The page content is visible on the left, featuring a navigation menu with 'Home', 'Profiles', 'Communities', and 'Apps'. The main content area is titled 'Getting started with IBM Connections' and includes a 'WELCOME' section with 'SHARE' and 'EXPLORE' buttons.

The right side of the image shows the Developer Tools interface. The 'Elements' panel is open, displaying the DOM tree. The selected element is a `div` with the class `lotusLogo` and the ID `lotusLogo`. The 'Styles' panel shows the computed styles for this element, including `background-image`, `height`, and `width`.

```
<div class="lotusLogo" id="lotusLogo">
  <span class="lotusAltText">SNAPPS LOGO</span>
</div>
```

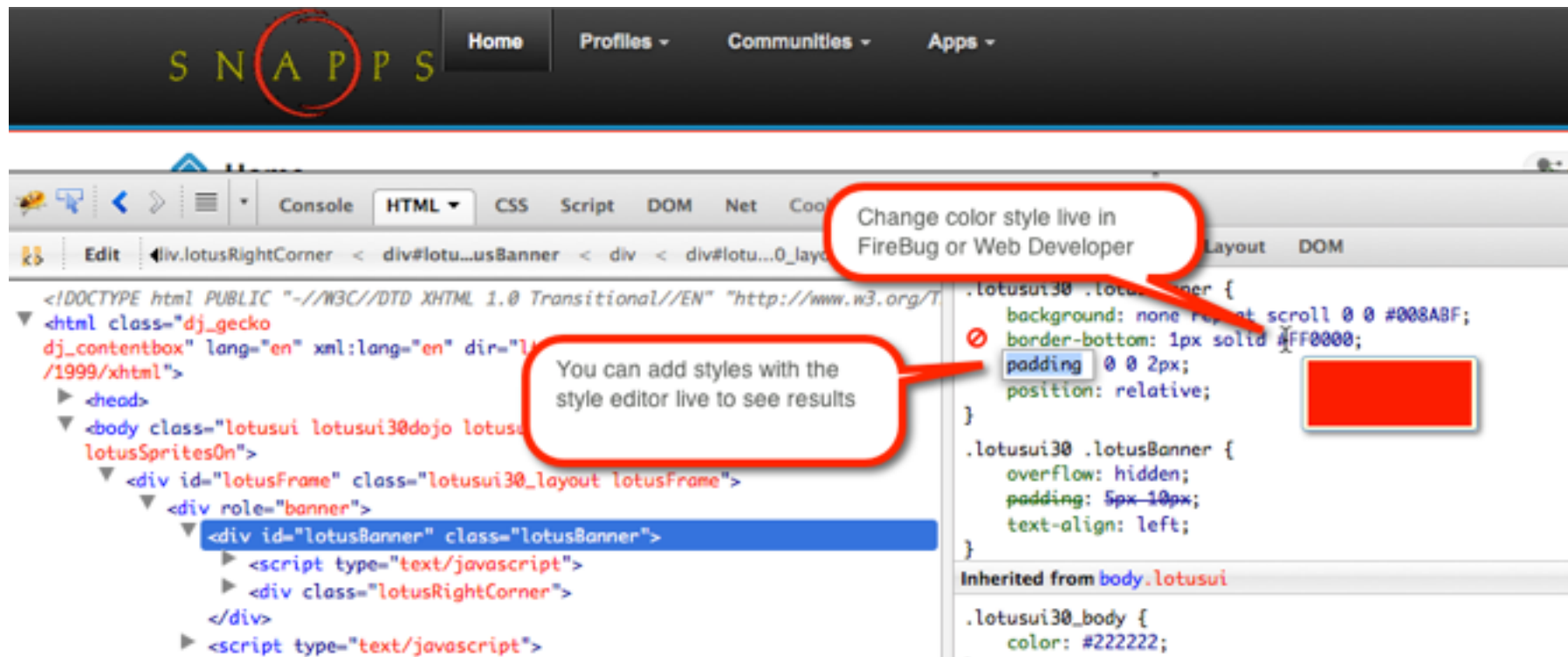
```
Computed | Show inherited
Styles
element.style {
}
Matched CSS Rules
.default.css:892
.lotusui30 .lotusBanner
.lotusLogo {
  background-image:
    url("/connections/-
      class=X40INAs");
  height: 61px;
  width: 166px;
}
.default.css:426
.lotusui30 .lotusBanner
.lotusLogo {
  outline: none;
}
.lotusui30 _style:1325
.lotusBanner .lotusLogo {
  float: left;
}
.lotusui30 _style:180
.lotusLogo, .lotusui30
.lotusLoginLogo {
  background-repeat:
    no-repeat;
}
div user agent stylesheet
{
  display: block;
}
Inherited from div#lotusBanner
.lotusui30 _style:1324
.lotusBanner {
  text-align: left;
}
Inherited from body.lotusui30
.default.css:484
.lotusui30_body {
  color: #222;
}
```

Find the element you want to change and inspect the style rules to make “live” changes

The screenshot shows a web browser's developer tools interface. At the top, the browser's address bar displays the URL `http://www.w3.org/T`. The developer tools are open to the 'HTML' tab, showing a tree view of the document's structure. The element `<div id="lotusBanner" class="lotusBanner">` is selected and highlighted in blue. To the right, the 'Styles' pane shows the CSS rules for this element. A red box highlights the text 'Find colors in element's rule' with two red arrows pointing to the `#0075A3` color value in the `border-bottom` property and a blue color swatch. The CSS rules shown are:

```
.lotusui30 .lotusBanner {  
  background: none repeat scroll 0 0 #008ABF;  
  border-bottom: 1px solid #0075A3;  
  padding: 0 0 2px;  
  position: relative;  
}  
.lotusui30 .lotusBanner {  
  overflow: hidden;  
  padding: 5px 10px;  
  text-align: left;  
}  
Inherited from body.lotusui  
.lotusui30_body {  
  color: #222222;  
}  
.lotusui30_fonts {  
  font: 75%/1.5 Arial,Helvetica,sans-serif;  
}
```

Changing the border from blue to red for #lotusBanner



The image shows a web browser window with a dark header containing the text "SNAPPS" and navigation links: "Home", "Profiles", "Communities", and "Apps". Below the header is a banner with a red border. The FireBug developer tool is open, showing the HTML structure on the left and the CSS rules on the right. The HTML structure shows a `<div id="lotusBanner" class="lotusBanner">` element. The CSS rules on the right show the following styles for `.lotusui30 .lotusBanner`:

```
.lotusui30 .lotusBanner {  
  background: none repeat scroll 0 0 #008ABF;  
  border-bottom: 1px solid #FF0000;  
  padding: 0 0 2px;  
  position: relative;  
}
```

The `padding` property is highlighted in blue. A red callout box points to the `padding` property with the text: "You can add styles with the style editor live to see results". Another red callout box points to the `border-bottom` property with the text: "Change color style live in FireBug or Web Developer". A small red square is visible next to the `border-bottom` property.

The background color is by default blue, we like red (#ff0000)

Console HTML CSS Script DOM Net Cookies YSlow

Edit | div.lotusRightCorner < div#lotu...usBanner < div < div#lotu...0_layout < bod

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/T
<html class="dj_gecko
dj_contentbox" lang="en" xml:lang="en" dir="ltr" xmlns="http://www.w3.org
/1999/xhtml">
  <head>
  <body class="lotusui lotusui30dojo lotusui30_body lotusui30_fonts lotusui30
lotusSpritesOn">
  <div id="lotusFrame" class="lotusui30_layout lotusFrame">
    <div role="banner">
      <div id="lotusBanner" class="lotusBanner">
        <script type="text/javascript">
        <div class="lotusRightCorner">
      </div>
    <script type="text/javascript">
    <script type="text/javascript" language="Javascript">
```

Style Computed Layout DOM

```
.lotusui30 .lotusBanner {
  background: none repeat scroll 0 0 #008080;
  border-bottom: 1px solid #FF0000;
  padding: 0 0 2px;
  position: relative;
}
.lotusui30 .lotu
overflow: hi
padding: 5px
text-align: left;
}
Inherited from body.lotusui
.lotusui30_body {
  color: #222222;
}
```

Additional color styles in the

Class lotusRightCorner creates a 1px blue line where we need to also change this to red

Remove the thin blue 1 pixel line in header

```
<div id="lotusFrame" class="lotusui30_layout lotusFrame">  
  <div role="banner">  
    <div id="lotusBanner" class="lotusBanner">  
      <script type="text/javascript">  
      <div class="lotusRightCorner">  
      <script type="text/javascript">  
      <script type="text/javascript" language="Javascript">  
    </div>  
  </div>  
</div>
```

```
.lotusui30 div.lotusBanner .lotusRightCorner {  
  border-top: medium none;  
}  
.lotusui30 div.lotusBanner .lotusRightCorner {  
  border-top: medium none;  
}  
.lotusui30 .lotusBanner .lotusRightCorner {  
  background: -moz-linear-gradient(center top , #47...  
  border-bottom: 1px solid #1A96C6;  
  border-top: 1px solid #3A3A3A;  
  overflow: hidden;  
}  
Inherited from div#lotusBanner.lotusBanner  
.lotusui30 .lotusBanner {  
  text-align: left;
```

Now all blue elements are out of the header

The screenshot shows a web browser with the developer tools open. The HTML tree on the left shows the following structure:

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR...>
<html class="dj_gecko
dj_contentbox" lang="en" xml:lang="en" dir="ltr" xmlns="http://www.w3.org
/1999/xhtml">
  <head>
  <body class="lotusui lotusui30dojo lotusui30_body lotusui30_fonts lotusui30
lotusSprites0n">
  <div id="lotusFrame" class="lotusui30_layout lotusFrame">
    <div role="banner">
      <div id="lotusBanner" class="lotusBanner">
        <script type="text/javascript">
        <div class="lotusRightCorner">
        </div>
        <script type="text/javascript">
        <script type="text/javascript" language="Javascript">
        <script type="text/javascript">
        <div class="lotusTitleBar2">
        ...
```

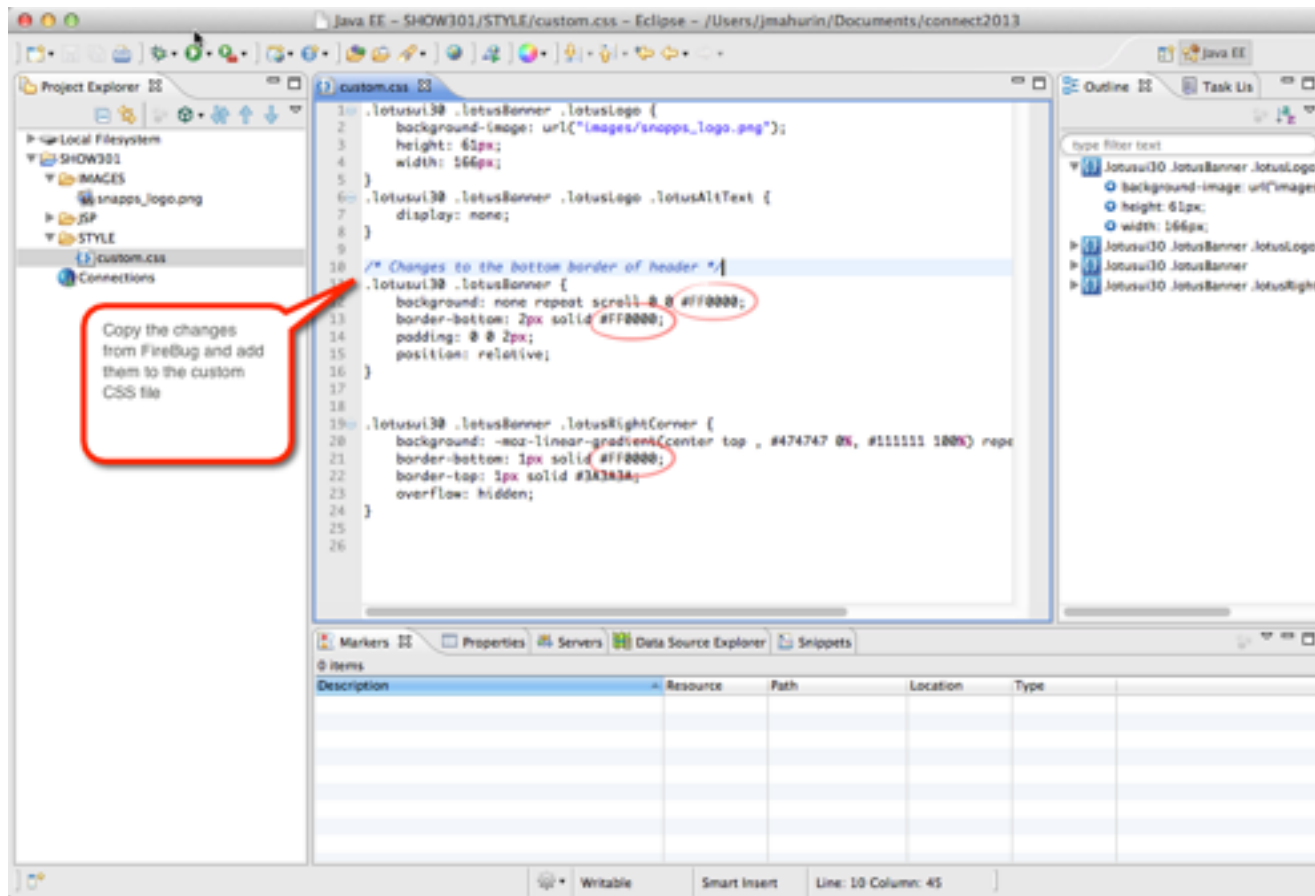
The CSS pane on the right shows the following styles for the selected element:

```
.lotusui30 div.lotusBanner .lotusRightCorner {
  border-top: medium none;
}
.lotusui30 div.lotusBanner .lotusRightCorner {
  border-top: medium none;
}
.lotusui30 .lotusBanner .lotusRightCorner {
  background: -moz-linear-gradient(center top
border-bottom: 1px solid #FF0000
border-top: 1px solid #A3A3A;
overflow: hidden;
}
Inherited from div#lotusBanner.lotusBanner
.lotusui30 .lotusBanner {
  text-align: left;
}
Inherited from body.lotusui
```

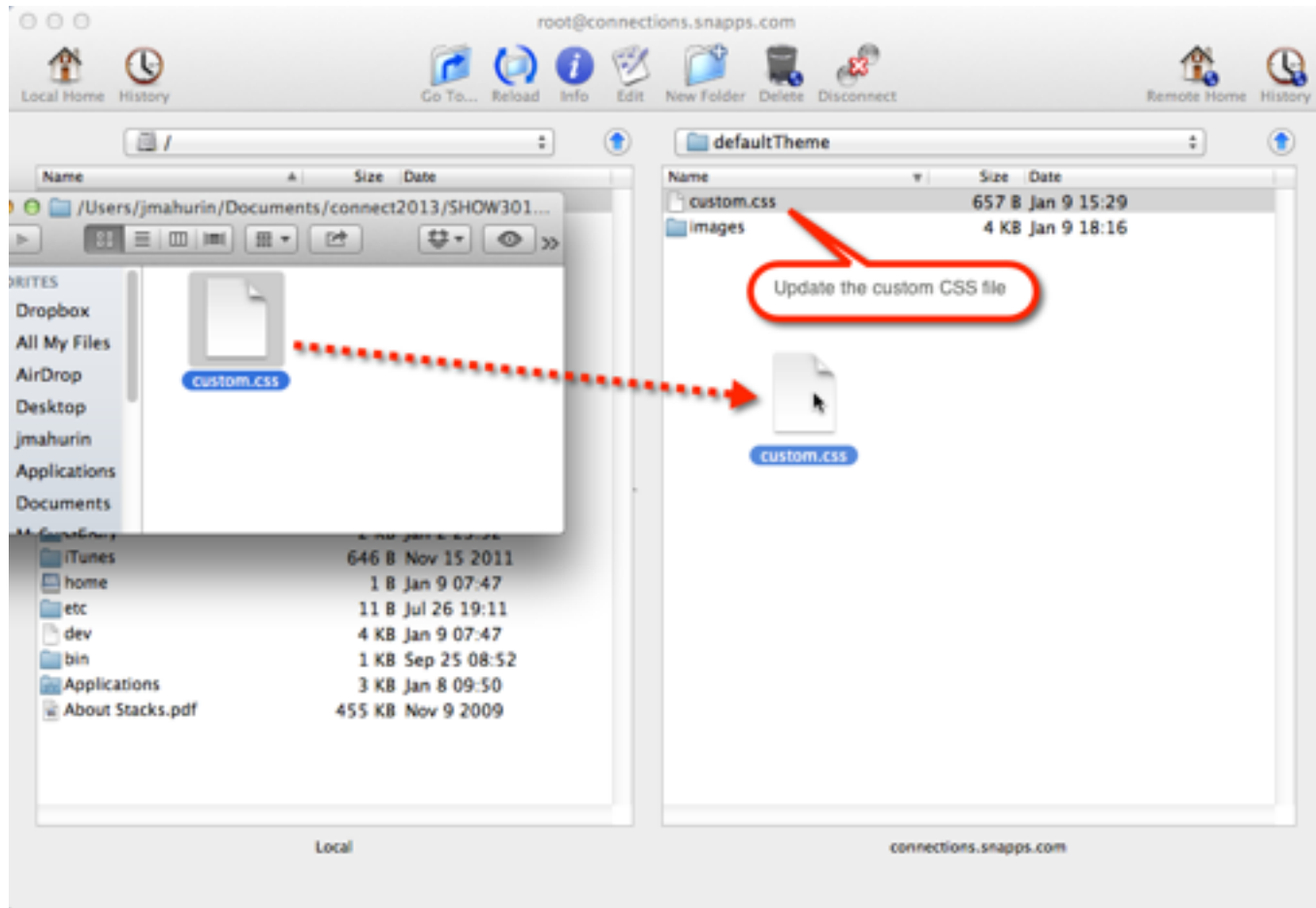
Red arrows point from the highlighted CSS properties (background, border-bottom, border-top) to the highlighted HTML element.

Copy and paste the live changes to the custom.css file

- Live Firebug / Dev Tools changes are one of the most powerful time saving techniques!



Replace the old file with the new updates



Stop and start the Common application

1 In the ISC console open Applications

2 Click on the WebSphere enterprise applications link

3 Check the application(s) to restart

4 Click the Stop and then the Start button

Cell=cor

Enterprise Applications

Use this page to manage installed applications. A single application can be deployed onto multiple servers.

Preferences

Start Stop Install Uninstall Update Rollout Update Remove File Export Export DOL Export File

Select	Name	Application Status
You can administer the following resources:		
<input type="checkbox"/>	Activities	→
<input type="checkbox"/>	Blogs	→
<input checked="" type="checkbox"/>	Common	→
<input type="checkbox"/>	Communities	→
<input type="checkbox"/>	DefaultApplication	✖
<input type="checkbox"/>	Dossier	→
<input type="checkbox"/>	Files	→
<input type="checkbox"/>	Forums	→
<input type="checkbox"/>	Help	→

Delete browser cache and refresh to see the changes

The screenshot shows the SNAPPS website interface. The top navigation bar is dark with the logo 'SNAPPS' in yellow and green, and menu items 'Home', 'Profiles', 'Communities', and 'Apps'. Below the navigation bar, the 'Home' section is visible, featuring a blue house icon and the text 'Home'. A red circle highlights the letter 'A' in the 'SNAPPS' logo. A red arrow points from this circle to a red-bordered callout box containing the text: 'After deleting browser cache refresh the browser'. To the right of the callout box, the text 'IBM Connections' is partially visible. Below the callout box, a list of navigation items is shown: 'I'm Following', 'Status Updates', 'My Notifications', 'Action Required', 'Saved', 'Discover', and 'My Page'. To the right of this list, a sidebar contains three buttons: '1 WELCOME', '2 SHARE', and '3 EXPLORE'. Below the '1 WELCOME' button, the text 'Sorry, an error occurred' is displayed.

What I'll Cover ...

- Tools of the Connections trade
- Knowing where to find things
- Customizing JSP's
- Using styles for branding
- Customizing the Login page
- Removing Community Themes
- Wrap-up

Customize the Login Page

- **The login page is a JSP**
- **You can find it in the same directory as header and footer**
- **I got mine from `../Files.ear/files.web.war/nav/templates/`**
- **Copy the login.jsp file to your IDE**
- **Make changes but beware of areas not to change in the comments**
- **Put your customized jsp in the same folder as header.jsp**

You Gussed It: Start & Stop the Application in ISC

Enterprise Applications

Use this page to manage installed applications. A single application can be deployed onto multiple servers.

⊞ Preferences

Start Stop Install Uninstall Update Rollout Update Remove File Export Export DDL Export File



Select Name ↕ Application Status ↻

You can administer the following resources:

<input type="checkbox"/>	Activities	➡
<input type="checkbox"/>	Blogs	➡
<input checked="" type="checkbox"/>	Common	➡
<input type="checkbox"/>	Communities	➡
<input type="checkbox"/>	DefaultApplication	✖
<input type="checkbox"/>	Dodgegear	➡
<input type="checkbox"/>	Files	➡
<input type="checkbox"/>	Forums	➡
<input type="checkbox"/>	Help	➡

Branded login page

What is IBM Connections?
Find out more [at ibm.com](#)

Have a question?
[Try the IBM Connections product documentation](#)

S N **A P P S**

User name:

Password:

The SNAPPS™ Login page is specifically designed for SNAPPS employees and customers to access protected resources on the SNAPPS website.

What I'll Cover ...

- Tools of the Connections trade
- Knowing where to find things
- Customizing JSP's
- Using styles for branding
- Customizing the Login page
- **Limiting Community Themes**
- Wrap-up

Limiting Community Themes

- **You may want to keep a consistent theme in your communities**
- **Reduce the number of choices for users**

So Many Choices

Upload a Community Image

Select one of the themes below to change your page design.

Default



Red



Green



Coffee



Silver



Blue



Pink



Onyx



Purple



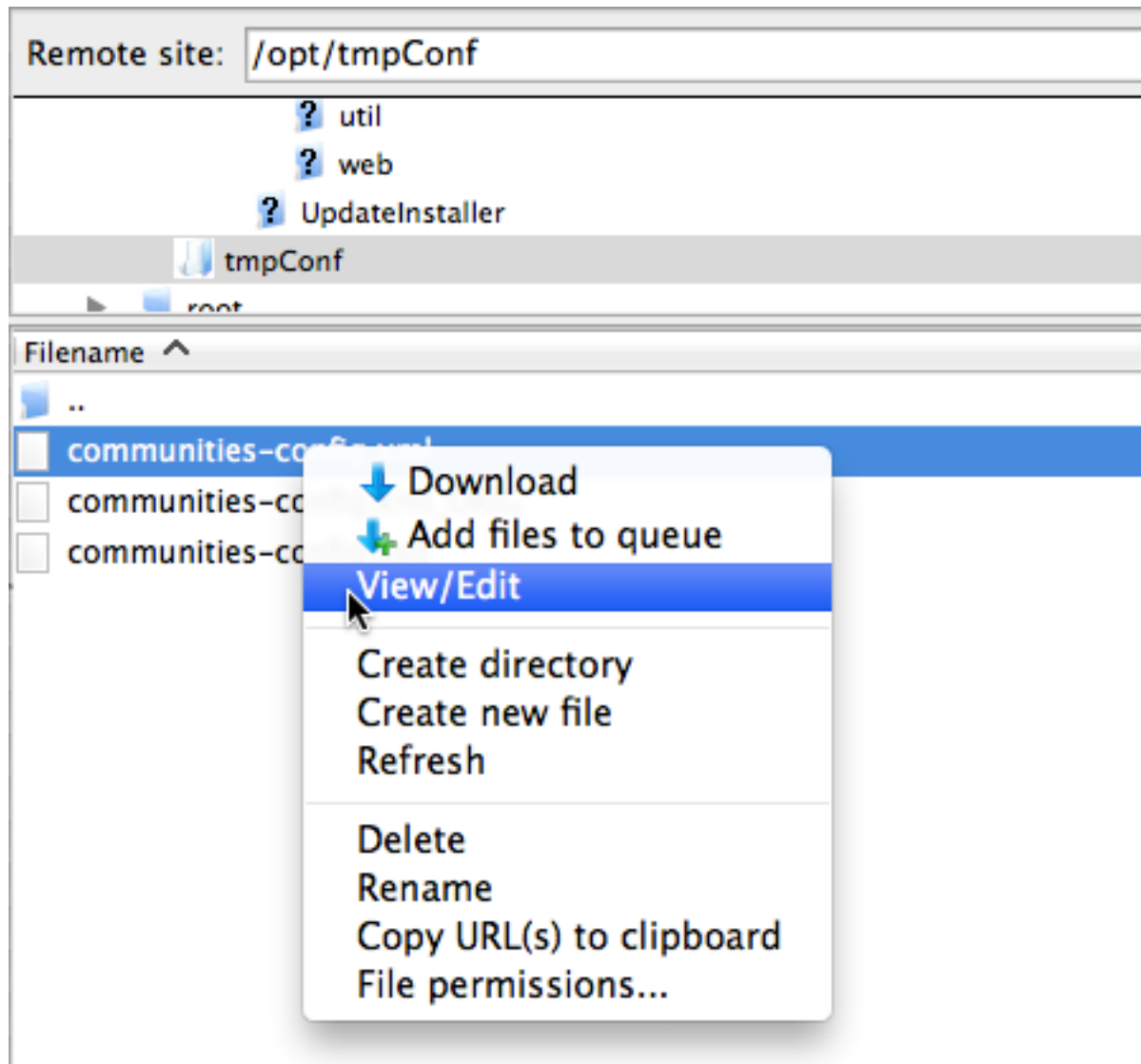
Orange



How to Edit the communities-config.xml file

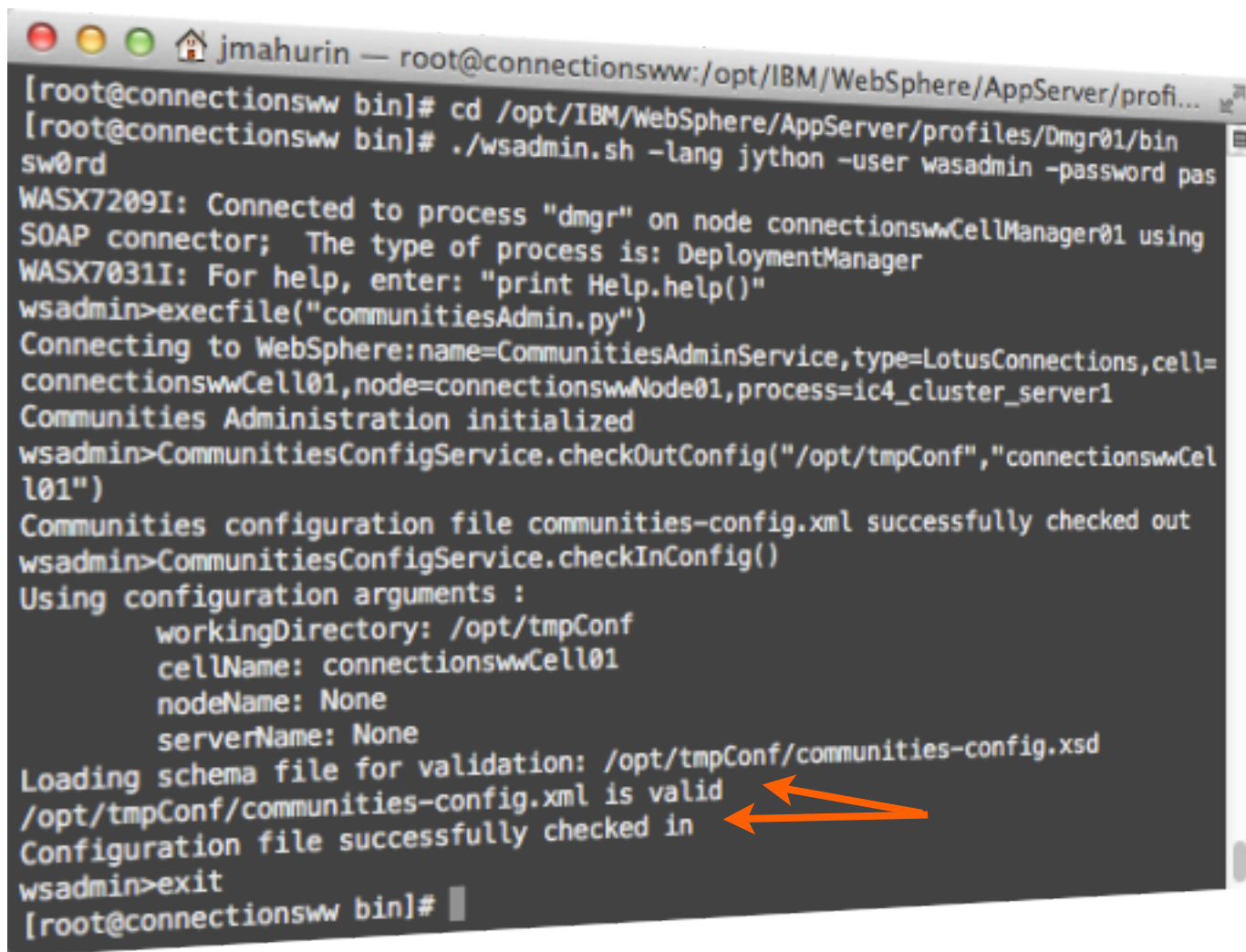
- **Check in/out the configuration file the proper way with Deployment Manager**
- **Use OS commands in terminal**
- **You must be in the correct directory**
- **To check out:**
 - ♦ `cd /opt/IBM/WebSphere/AppServer/profiles/Dmgr01/bin`
 - ♦ `./wsadmin.sh -lang jython -user wasadmin -password passw0rd`
 - ♦ `execfile("communitiesAdmin.py")`
 - ♦ `CommunitiesConfigService.checkOutConfig("/opt/tmpConf","connectionswwCell01")`

Edit the configuration file



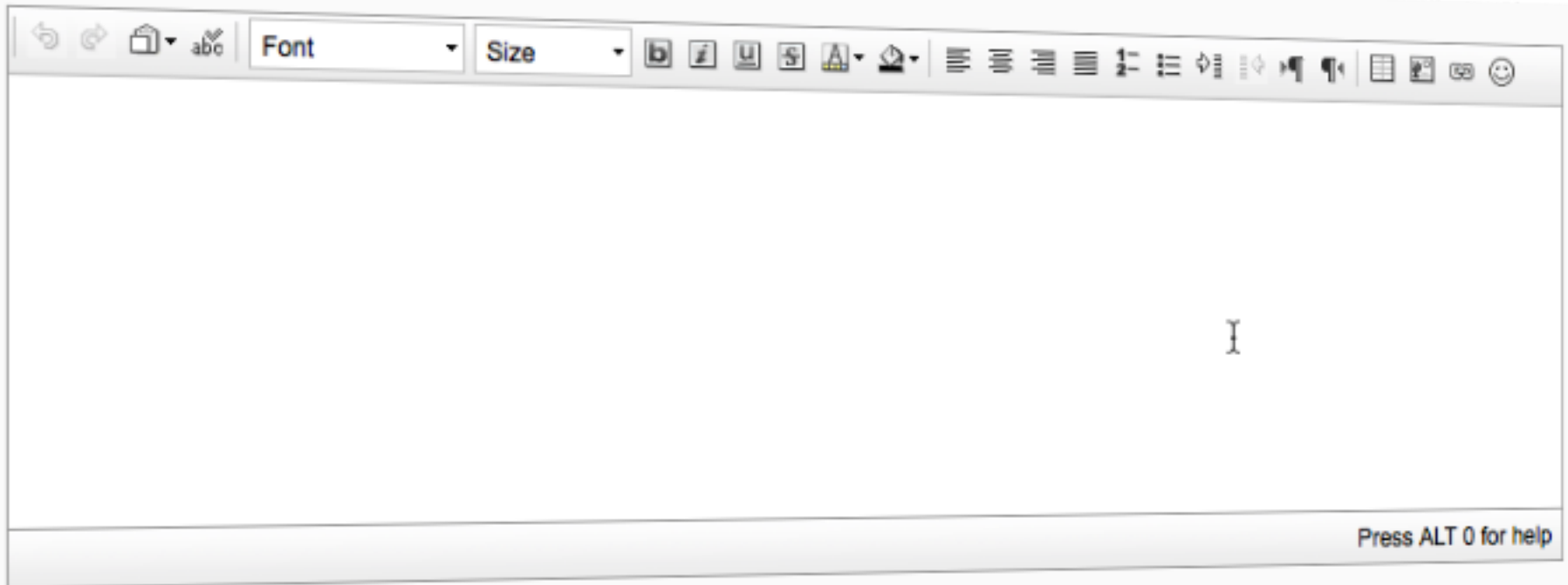
Check the file back in

- To see changes restart Connections



```
jmahurin — root@connectionsww:/opt/IBM/WebSphere/AppServer/profi...
[root@connectionsww bin]# cd /opt/IBM/WebSphere/AppServer/profiles/Dmgr01/bin
[root@connectionsww bin]# ./wsadmin.sh -lang jython -user wasadmin -password pas
sword
WASX7209I: Connected to process "dmgr" on node connectionswwCellManager01 using
SOAP connector; The type of process is: DeploymentManager
WASX7031I: For help, enter: "print Help.help()"
wsadmin>execfile("communitiesAdmin.py")
Connecting to WebSphere:name=CommunitiesAdminService,type=LotusConnections,cell=
connectionswwCell01,node=connectionswwNode01,process=ic4_cluster_server1
Communities Administration initialized
wsadmin>CommunitiesConfigService.checkOutConfig("/opt/tmpConf","connectionswwCel
l01")
Communities configuration file communities-config.xml successfully checked out
wsadmin>CommunitiesConfigService.checkInConfig()
Using configuration arguments :
    workingDirectory: /opt/tmpConf
    cellName: connectionswwCell01
    nodeName: None
    serverName: None
Loading schema file for validation: /opt/tmpConf/communities-config.xsd
/opt/tmpConf/communities-config.xml is valid
Configuration file successfully checked in
wsadmin>exit
[root@connectionsww bin]#
```

Theme choices are gone



[Upload a Community Image](#)



Integrating the Connections business card

- **Why?**

- ♦ The Connections business card is the entry point to several social data links related to a person
- ♦ If enabled, the business card may have Sametime enabled, providing a lightweight IM integration

- **Basic steps:**

- ♦ Add JavaScript library to page header
- ♦ Add API links to page either statically or dynamically

Example of integrating the business card in static HTML

Fusce ut ante eu ipsum malesuada ullamcorper id sit amet est.

Sep 23, 2012  Frank Adams  12 Comments

Profile Wikis | Communities Files | Blogs Bookmarks | Forums Activities

 **Frank Adams**

Merchandising Manager
Pittsburgh, Pennsylvania US
Office: Front Office
1-333-555-1186
fadams@demos.ibm.com

[Send Email](#) | [More Actions](#)

Proin adplscing fringilla nibh id hendrerit bibendum urna mattis.
Quisque sit amet odio sed nisi ultricies facilis
Etiam feugiat scelerisque eros, sit amet lobor
vitae id metus. In faucibus ipsum in lacus soc

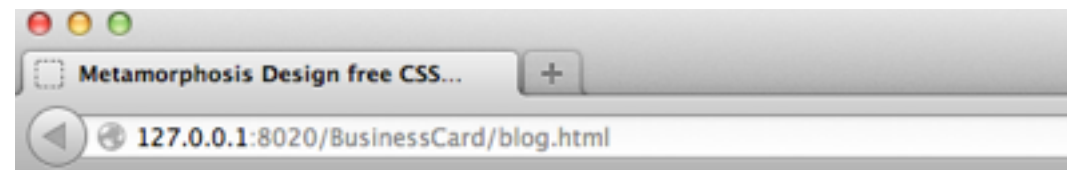
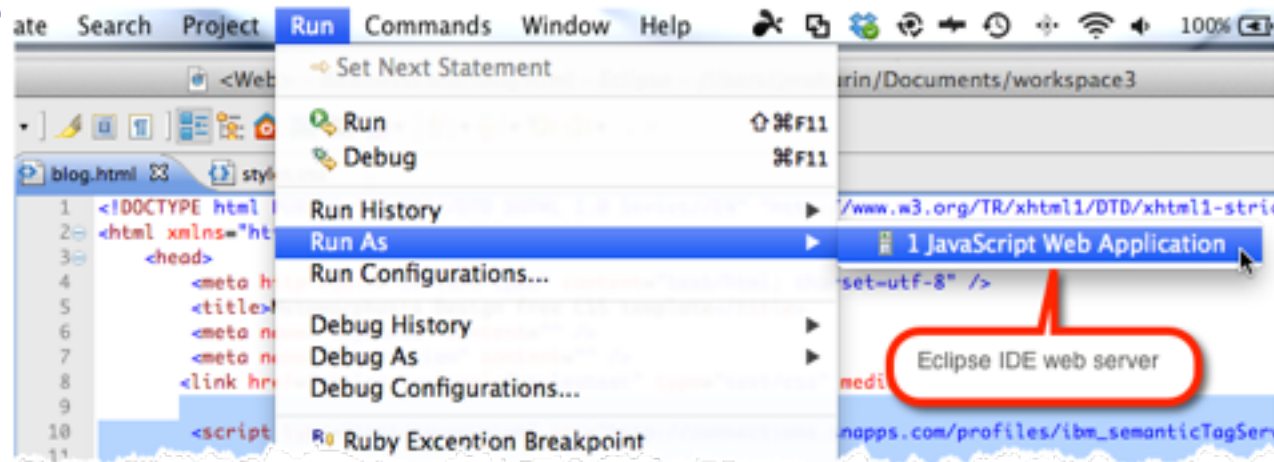
 Lorem Ipsum
arcu libero.
Aenean volutp
Class aptent ta
Morbi blandit fa
mauris non

Notes about developing a business card

- **If profiles require authentication anonymous users cannot see the business card and will get a basic authentication popup**
- **You will need to style the business card**
- **Due to browser security the business card integration will only run from a web server (no local HTML files for development)**

Eclipse built-in Web Server (localhost)

- Eclipse gives us a local web server to test web apps that are simple and have few dependencies
- With the HTML file open in the IDE, choose from the menu Run-Run As-JavaScript Web Application



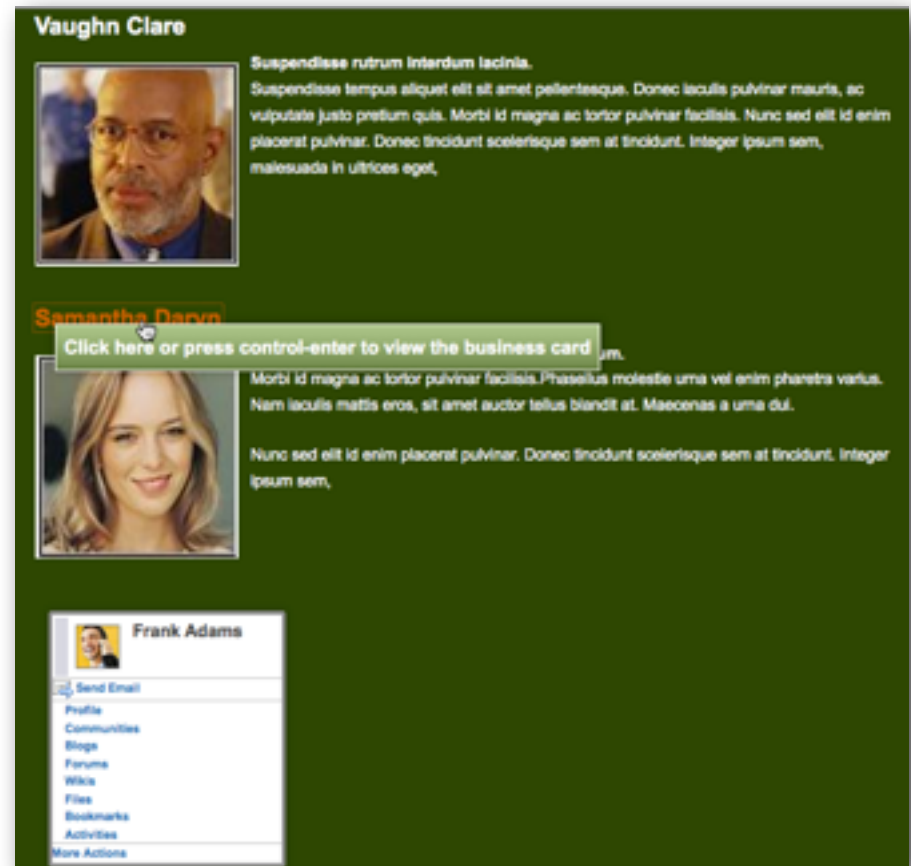
Business card options

- **Two presentation types**
 - ◆ **Popup**
 - ◆ **Inline**

- **Two basic options**
 - ◆ **Lookup by ID**
 - ◆ **Lookup by email**

About page with different styles of business cards

- **Popup business card using user ID**
- **Popup business card using email address**
- **Inline style using email address**



The business card needs to be styled: two options

- The below instructions are for the target HTML / JSP etc. page where you want the business card integrated, not the Connections server!
- Option 1: Use the Connections style sheet, which is called by a specific script
 - ◆ `<script ... /semanticTagService.js?inclDojo=true">`
- Option 2: Use your own style to make the business card match the rest of the site and resolve style conflicts
 - ◆ `<script ... /semanticTagService.js?inclDojo=false">`

Add the JavaScript library to <HEAD> tag

<HEAD>

```
<script type="text/javascript" src="http://  
yourserver.com/profiles/ibm_semanticTagServlet/  
javascript /semanticTagService.js?  
loadCssFiles=true"></script>
```

</HEAD>

Default styles may cause problems in a web page/application

Fusce ut ante eu ipsum malesuada ullamcorper id sit amet est.

Sep 23, 2012

Frank Adams 12 Comments

Click here or press control-enter to view the business card

Proin adipiscing fringilla nibh id hendrerit. Duis accumsan, arcu ac porta sus bibendum eros eu enim pretium eu bibendum urna mattis.

Quisque sit amet odio sed nisi ultricies facilisis at non dui. In ultricies port
Etiam feugiat velerisque eros, sit amet lobortis nulla elementum at. Phas
vita

dolor sit amet, consectetur adipiscing elit. In id nisi urna. Nam sit amet

Aenean volutpat gravida odio quis adipiscing. Nullam ornare elementum lacus ac sagittis.
Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos himenaeos.
Morbi blandit faucibus nisi, ac pulvinar ante posuere in. Nullam vel pharetra odio. Sed at
mauris non

The dynamic loaded style is conflicting with elements on the page

Styles for popup do not match the style of the site

Find and capture styles with Firebug or Developer Tools

Fusce ut ante eu ipsum malesuada ullamcorper id sit amet est.

Sep 23, 2012 Frank Adams 12 Comments

Proin adipiscing fringilla nibh id hendrerit. Duis accumsan, arcu ac porta sus bibendum eros eu enim pretium eu bibendum urna mattis.


With Firebug we are able to copy and paste the styles needed and include add them to the page's style sheet

```
body.lotusJapan {
  font-family: 127.0.0.1:8020/BusinessCard/
  styles.css
}
.lotusJapanese {
  font-family: connectionsww.demos.ibm.com/connections/resources/web/
  _style?include=com.ibm....css&acs=20121012.190235 -serif;
}
.lotusui30.lotusui30_fonts {
  font: 75%/1.5 Arial,Helvetica,sans-serif;
}
```

Combined site styles with business card styles

- By using Firebug or Developer Tools to capture styles, we can choose which few need to be updated either inline or in our own CSS

```
733
734 .stuff-pic {
735     float: left;
736     padding-right: 10px;
737     padding-top: 10px; padding-bottom 10px;
738 }
739 .stuff-container {
740     clear: both;
741     padding-bottom: 2.5em;
742     padding-top: 2.5em;
743 }
744 /* Lotus Connections Profile business card styles*/
745
746
747 .lotusui30 .lotusVCardHover {
748     background: url("images/hover_bg.png") repeat-x scroll 0 0 transparent;
749     border: 1px solid #FFFFFF;
750     border-radius: 0 0 0 0;
751     box-shadow: 0 0 7px rgba(0, 0, 0, 0.3);
752     font-size: 1.6em;
753     padding: 6px;
754     position: absolute;
755     white-space: nowrap;
756 }
757
758 body.lotusJapanese, .lotusui30 .lotusJapanese * {
759     font-family: "MS UI Gothic", "MS PGothic", "Apple Gothic", Arial, Helvetica, sans-serif;
760 }
761 .lotusJapanese button, .lotusJapanese input, .lotusJapanese select {
762     font-family: "MS UI Gothic", "MS PGothic", "Apple Gothic", Arial, Helvetica, sans-serif;
763 }
```



Add customized business card style rules to site CSS

Add the JavaScript library to <HEAD> tag

- Switch parameter to false to prevent dynamic loading of default style

```
<HEAD>
```

```
<script type="text/javascript" src="http://  
yourserver.com/profiles/ibm_semanticTagServlet/  
javascript /semanticTagService.js?  
loadCssFiles=false"></script>
```

```
</HEAD>
```

Business card is re-styled to complement the page

Fusce ut ante eu ipsum malesuada ullamcorper id sit amet est.

Sep 23, 2012 Frank Adams 12 Comments


[Click here or press control-enter to view the business card](#)

Proin adipiscing fringilla nibh id hendrerit. Duis accumsan, arcu ac porta sus bibendum eros eu enim pretium eu bibendum urna mattis.

Quisque sit amet odio sed nisi ultricies facilisis at non dui. In ultricies porta eleifend. Ut risus mauris, ac laculis sapien.

Etiam feugiat scelerisque eros, sit amet lobortis nulla et. Etiam feugiat scelerisque eros, sit amet lobortis nulla et. Etiam feugiat scelerisque eros, sit amet lobortis nulla et.

vitae id metus. In faucibus ipsum In lacus sodales a p

 Lorem Ipsum dolor sit amet, consectetur adipiscing elit. In id nisi urna. Nam sit amet arcu libero.

Aenean volutpat gravida odio quis adipiscing. Nullam ornare elementum lacus ac sagittis.

Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos himenaeos.

Morbi blandit faucibus nisi, ac pulvinar ante posuere in. Nullam vel pharetra odio. Sed at mauris non

Incorporated styles that blend in with the rest of the page and hyper links appear correctly.

Add code to page body (Inline style)

Note the class on the `<div>` will determine what kind of styling is applied from the Connections choices

```
<p class="staff-pic">
```

```
  <div class="vcard X-person-display-inline">
```

```
    <span class="fn" style="display:none;">Frank Adams</span>
```

```
    <span class="email" style="display:none;">fadams@demos.ibm.com</span>
```

```
  </div>
```

```
</p>
```

Inline style by email address

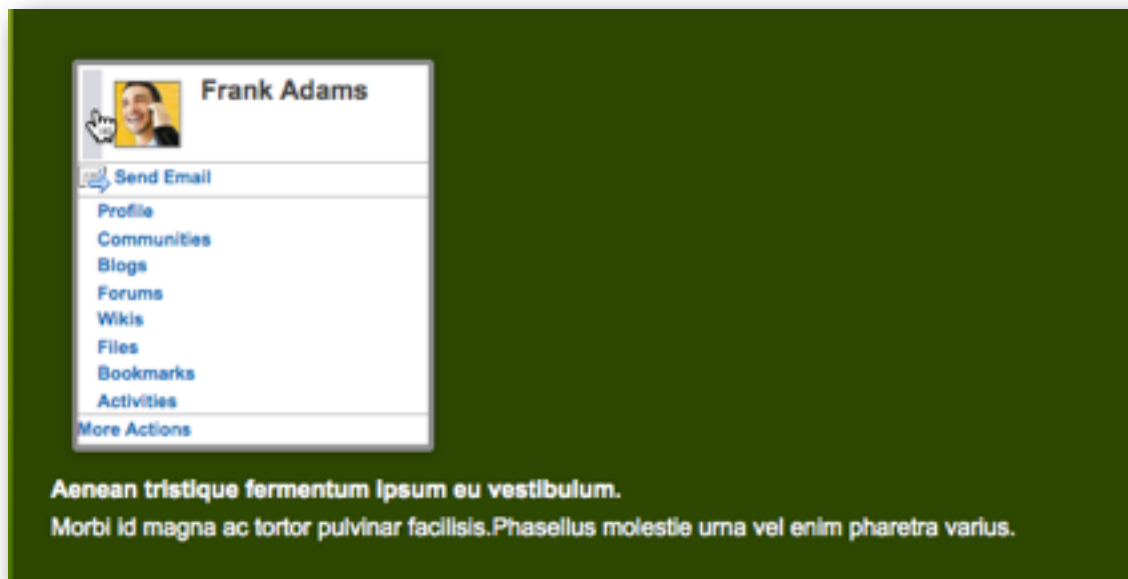
Add code to page body (Inline style)

```
<p class="staff-pic">
```

```
  <div class="vcard X-person-display-inline">  
    <span class="fn" style="display:none;">Frank Adams</span>  
    <span class="email" style="display:none;">fadams@demos.ibm.com</span>  
  </div>
```

```
</p>
```

Inline style by email address



Popup business card by email address

```
<h6>
```

```
<span class="vcard">  
  <a href="javascript:void(0);" class="fn url">Samantha Daryn</a>  
  <span class="email" style="display: none;">sdaryn@demost.ibm.com</span>  
</span>
```

```
</h6>
```



Popup by email address

Popup business card by user ID

```
<h6>
```

```
<span class="vcard">  
  <a href="javascript:void(0);" class="fn url">Vaughn Clare</a>  
  <span class="x-lconn-userid" style="display: none;">e7d26340-0192-1031-8c18-f396a97b098e</span>  
</span>
```

```
</h6>
```



By user ID

Use the Firebug DOM tab to browse DOM objects in memory

Learn About Your Colleagues

- Click "Follow" if you want the person's latest updates to be displayed in your Home page.
- See who is in the person's network. Start following one or more of the contacts to join your network.

1 the person to your Network tab so that you have already invited the person.

Firebug DOM tab

Find and expand profilesData

2

3 Expand displayUser

4 Copy the userid into the clipboard

```
Object { config=[...], displayedUser=[...], loggedInUser=[...], ... }
Object { defaultUriTemplateValues=[...], views=[...], defaultUri=... }
Object { profileLastMod="1349844055585", appChkSum="28... }
Object { uid="vclare", profileType="default", email="vc... }
"Vaughn Clare"
"vclare@denos.ibm.com"
"profile.board,profile.c...extension,profile
false
true
"a689a4d5-b755
"default"
""
"vclare"
"e7d26340-0192-1031-8c18-f396a97b099e"
Object { ... }
```