



Tips and Tricks in the Customisation of Cognos Connection

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What are Styles?

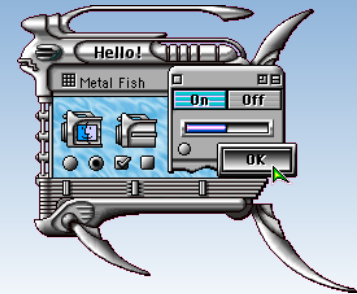
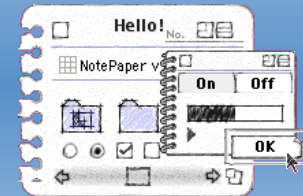
What are Styles?

- Different custom graphical appearances (GUIs) – applied to software and websites – to suit the different tastes of different users
- Also, known as “themes” or “skins”

Benefits

- Systematic method to re-brand software applications
- Ability to deploy different UIs to different users to meet their different business needs

Examples of Different Styles for the same UI



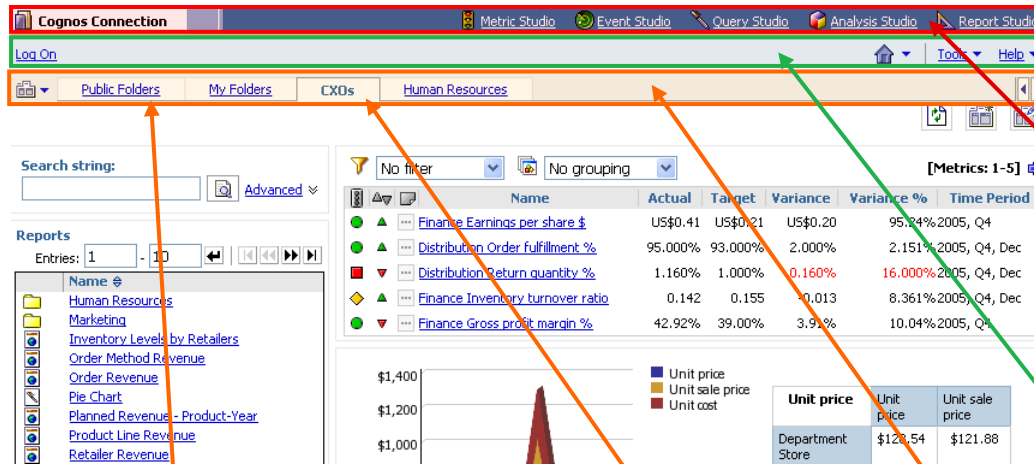


Directory Location of All Style-related Files

Cognos Component	Directory	Files	Images
Cognos Connection	/my_style/portal	default.css	/skin/portal/images
Welcome Page	/my_style/portal	default.css	/skin/portal/images
Query Studio	/my_style/qs	QSRVCommonUI.css	/skin/qs/images
Analysis Studio	/my_style/ans	background.css, explore.css, scrollbarstyle.css	/skin/ans/images
Metrics Manager	/my_style/cmm	default.css, admin_styles.css	/skin/cmm/presentation/images
Report Studio	/my_style/pat	skin.css	/skin/pat/images
Event Studio	/my_style/ags	ags.css, crn.css	/skin/ags/images

- **Fonts** – /my_style/font.css
- **Branding Images** – /my_style/branding
- **Message Text** – /templates/portals/ps/portal_en.xml

A Closer Look at Some of the Parameters Used Within a Style



Default.css controls the colors for the Cognos Connection interface

.tabNormal

```
padding-right: 20px;
padding-left: 20px;
font-size: 70%;
color: #ff0000;
text-align: center;
background-color: #ffffff;
border-left: #e7e7e7 1px solid;
border-bottom: #999999 1px solid;
border-top: #e7e7e7 1px solid;
```

.tabSelected

```
padding-right: 20px;
padding-left: 20px;
font-weight: bold;
font-size: 70%;
color: #336699;
border-right: #999999 1px solid;
border-left: #999999 1px solid;
border-top: #999999 1px solid;
text-align: center;
background-color: #ffffff;
```

.mainHeader1

```
border-top: #e7e7e7 1px solid;
border-left: #e7e7e7 1px solid;
border-bottom: #deac77 3px solid;
height: 25px;
padding: 1px;
background-color: #336699;
```

.mainHeader2

```
border: #f3f3f3 2px solid;
padding: 2px;
height: 25px;
background-color: #f3f3f3;
```

.mainHeader3

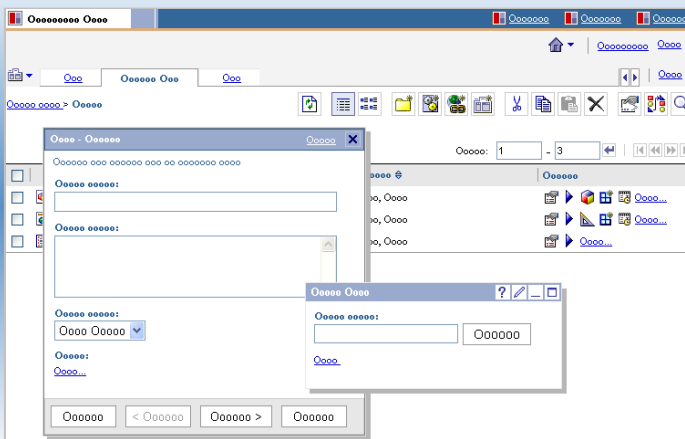
```
padding-top: 5px;
background-color: #f3f3f3;
```



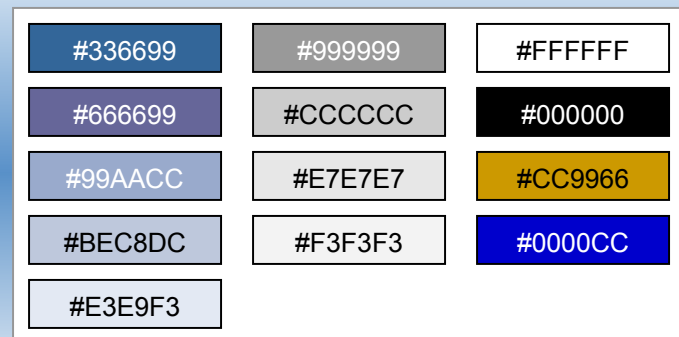
Understanding the Default Color Scheme

- Assume that the “Corporate” style was used as our base style
- A helpful step is to know and understand all of the colors used in one of these default styles
 - Makes it easy to search for the exact colors to change
 - Allows us to match these colors to our desired color scheme

A view of all of the UI pages



A look at all of the colors used





A More Detailed Look at All of the Colors Involved

	Background Color	Borders	Text	Screenshot
Header s	<div style="background-color: #336699; width: 20px; height: 15px; margin-bottom: 2px;"></div> #336699 <div style="background-color: #FFFFFF; width: 20px; height: 15px; margin-bottom: 2px;"></div> #FFFFFF <div style="background-color: #F3F3F3; width: 20px; height: 15px; margin-bottom: 2px;"></div> #F3F3F3 <div style="background-color: #999999; width: 20px; height: 15px;"></div> #999999	<div style="border: 1px solid #E7E7E7; width: 20px; height: 15px; margin-bottom: 2px;"></div> #E7E7E7 <div style="border: 1px solid #F3F3F3; width: 20px; height: 15px; margin-bottom: 2px;"></div> #F3F3F3 <div style="border: 1px solid #999999; width: 20px; height: 15px; margin-bottom: 2px;"></div> #999999 <div style="border: 1px solid #CC9900; width: 20px; height: 15px;"></div> #CC9900	<div style="background-color: #FFFFFF; width: 20px; height: 15px; margin-bottom: 2px;"></div> #FFFFFF <div style="background-color: #0000CC; width: 20px; height: 15px; margin-bottom: 2px;"></div> #0000CC <div style="background-color: #000000; width: 20px; height: 15px;"></div> #000000	
Toolbar	<div style="background-color: #FFFFFF; width: 20px; height: 15px; margin-bottom: 2px;"></div> #FFFFFF <div style="background-color: #E3E9F3; width: 20px; height: 15px; margin-bottom: 2px;"></div> #E3E9F3 <div style="background-color: #CCCCCC; width: 20px; height: 15px;"></div> #CCCCCC	<div style="border: 1px solid #E3E9F3; width: 20px; height: 15px; margin-bottom: 2px;"></div> #E3E9F3 <div style="border: 1px solid #CCCCCC; width: 20px; height: 15px; margin-bottom: 2px;"></div> #CCCCCC <div style="border: 1px solid #666699; width: 20px; height: 15px;"></div> #666699	<div style="background-color: #336699; width: 20px; height: 15px;"></div> #336699	
List View	<div style="background-color: #FFFFFF; width: 20px; height: 15px; margin-bottom: 2px;"></div> #FFFFFF <div style="background-color: #E7E7E7; width: 20px; height: 15px; margin-bottom: 2px;"></div> #E7E7E7 <div style="background-color: #999999; width: 20px; height: 15px;"></div> #999999	<div style="background-color: #000000; width: 20px; height: 15px; margin-bottom: 2px;"></div> #000000 <div style="background-color: #999999; width: 20px; height: 15px; margin-bottom: 2px;"></div> #999999	<div style="background-color: #0000CC; width: 20px; height: 15px; margin-bottom: 2px;"></div> #0000CC <div style="background-color: #336699; width: 20px; height: 15px; margin-bottom: 2px;"></div> #336699 <div style="background-color: #000000; width: 20px; height: 15px;"></div> #000000	
My Pages	<div style="background-color: #FFFFFF; width: 20px; height: 15px; margin-bottom: 2px;"></div> #FFFFFF <div style="background-color: #99AACC; width: 20px; height: 15px;"></div> #99AACC	<div style="border: 1px solid #E7E7E7; width: 20px; height: 15px; margin-bottom: 2px;"></div> #E7E7E7 <div style="border: 1px solid #FFFFFF; width: 20px; height: 15px; margin-bottom: 2px;"></div> #FFFFFF <div style="border: 1px solid #CCCCCC; width: 20px; height: 15px;"></div> #CCCCCC	<div style="background-color: #FFFFFF; width: 20px; height: 15px; margin-bottom: 2px;"></div> #FFFFFF <div style="background-color: #000000; width: 20px; height: 15px; margin-bottom: 2px;"></div> #000000 <div style="background-color: #666699; width: 20px; height: 15px;"></div> #666699	
Dialogs	<div style="background-color: #FFFFFF; width: 20px; height: 15px; margin-bottom: 2px;"></div> #FFFFFF <div style="background-color: #BEC8DC; width: 20px; height: 15px; margin-bottom: 2px;"></div> #BEC8DC <div style="background-color: #E3E9F3; width: 20px; height: 15px; margin-bottom: 2px;"></div> #E3E9F3 <div style="background-color: #E7E7E7; width: 20px; height: 15px;"></div> #E7E7E7	<div style="border: 1px solid #CCCCCC; width: 20px; height: 15px; margin-bottom: 2px;"></div> #CCCCCC <div style="border: 1px solid #999999; width: 20px; height: 15px; margin-bottom: 2px;"></div> #999999 <div style="border: 1px solid #336699; width: 20px; height: 15px; margin-bottom: 2px;"></div> #336699 <div style="border: 1px solid #BEC8DC; width: 20px; height: 15px; margin-bottom: 2px;"></div> #BEC8DC <div style="border: 1px solid #FFFFFF; width: 20px; height: 15px; margin-bottom: 2px;"></div> #FFFFFF <div style="border: 1px solid #EEEECF3; width: 20px; height: 15px;"></div> #EEEECF3	<div style="background-color: #999999; width: 20px; height: 15px; margin-bottom: 2px;"></div> #999999 <div style="background-color: #000000; width: 20px; height: 15px; margin-bottom: 2px;"></div> #000000 <div style="background-color: #336699; width: 20px; height: 15px; margin-bottom: 2px;"></div> #336699 <div style="background-color: #FFFFFF; width: 20px; height: 15px;"></div> #FFFFFF	



Example of Customisation Step-by-Step





Background

- Bank of Papua New Guinea
 - Customised Cognos Web Portal
 - Based on Corporate Standards but provide distinction as an individual system
 - Identified as part of Business Transformation & Change Management

Step 1 – Look and Feel Guide

- Create Look and Feel Guide
 - System Branding
 - Primary Solution Colour
 - Alternative Colours
 - Templates



<i>Name</i>	Dark Red
<i>Sample</i>	
<i>RGB</i>	139, 0, 0
<i>Hexadecimal</i>	#8B0000



Technique – Colour Schemes & Transformations

- RGB (Red, Green & Blue)

– Swap Colours	102,153,204	204,153,102	102,204,153	204,153,204
– Rotate	102,153,204	204,102,153	153,204,102	153,102,153

- HSL (Hue, Saturation, Lightness)

– Change Hue	149,128,153	99,128,153	49,128,153	0,153,204
– Change Saturation	149,128,153	149,0,153	149,75,153	149,200,153
– Change Lightness	149,128,153	149,128,0	149,128,75	149,128,200

- Search and Replace



Step 2 – Determine Basic Colours

	Background Color	Borders	Text	Background Color	Borders	Text
Headers	#336699	#E7E7E7	#FFFFFF	#8B0000	#E7E7E7	#FFFFFF
	#FFFFFF	#F3F3F3	#0000CC	#FFFFFF	#F3F3F3	#CC0000
	#F3F3F3	#999999	#000000	#F3F3F3	#999999	#000000
	#999999	#CC9900		#999999		
Toolbar	#FFFFFF	#E3E9F3	#336699	#FFFFFF	#00CC99	#8B0000
	#E3E9F3	#CCCCCC		#F3E9E3	#F3E9E3	
	#CCCCCC	#666699		#CCCCCC	#CCCCCC	
		#99CC00			#8B3333	
My Pages	#FFFFFF	#E7E7E7	#FFFFFF	#FFFFFF	#E7E7E7	#FFFFFF
	#99AAACC	#FFFFFF	#000000	#CCAA99	#FFFFFF	#000000
		#CCCCCC	#666699		#CCCCCC	#8B3333



Step 3 – Create New Skin Folder

- Created bpng_skin folder from standard skin
- Modify CSS Files in folders

Menu

- Insert Data
- Edit Data
- Change Layout
- Run Report
- Manage File
- Filter...
- Combine Filters...
- Suppress...
- Sort...
- Summarize...
- Format Data...
- Calculate...
- Define Custom Groups...
- Drill Down
- Drill Up
- Go To...
- Rename Column Heading...
- Cut
- Paste
- Delete
- Undo
- Redo

Product name contains Bella OR Product name contains OR Product name

Sales region: Americas

Product type	Product name	Product name and color	Gross profit
Eyewear	Bella	Bella - Blue	\$350,126.77
		Bella - Pink	\$1,195,307.87
		Bella - Silver	\$431,840.20
		Bella - White	\$1,856,505.35
		Bella - Yellow	\$45,223.73
Bella			\$3,879,003.92
Eyewear			\$3,879,003.92
Americas			\$3,879,003.92

Sales region: Asia Pacific

Product type	Product name	Product name and color	Gross profit
Eyewear	Bella	Bella - Blue	\$205,403.86
		Bella - Pink	\$865,946.86
		Bella - Silver	\$314,987.99
		Bella - White	\$1,321,496.80
		Bella - Yellow	\$16,945.64
Bella			\$2,724,781.15

Top Page up Page down Bottom

Public Folders - BSRS Home - Microsoft Internet Explorer

Address: http://a-hs22p04/cognos8/cgi-bin/cognosisapi.dll?b_action=mts.run&m=portal/cc.xls

Cognos Admin User

Public Folders

Name	Modified	Actions
Sample	September 5, 2008 4:23:00 AM	More...



Tip – Skin CSS Files by Studio

- **Cognos Connection**

- ../bpng_style/portal/Default.css
- ../bpng_style/shared/Banner.css
- ../bpng_style/pat/skin.css

- **Analysis Studio**

- ../bpng_style/ans/Background.css
- ../bpng_style/ans/Explore.css
- ../bpng_style/ans/Scrollbarstyle.css

- **Query Studio**

- ../bpng_style/qs/crn.css
- ../bpng_style/qs/QSRVCommonUI.css
- ../bpng_style/qs/QSRVDialog.css
- ../bpng_style/qs/CRN.css

- **Report Studio**

- ../bpng_style/pat/Skin.css
- ../bpng_style/ans/Explore.css
- ../bpng_style/ans/Scrollbarstyle.css

- **Report Viewer**

- ../bpng_style/viewer/CRNFragment.css
- ../bpng_style/viewer/QSRVCommonUI.css
- ../bpng_style/viewer/CRN.css
- ../bpng_style/prompting/promptCommon.css

Step 4 – Change Colour of Key Icons

- Old



- New

Cognos Admin User [Log Off](#) [Launch](#)

Entries: -

Modified	Actions
September 5, 2008 4:23:00 AM	More...



Tip – Icon Locations by Studio

- **Cognos Connection**
 - ../bpng_style/branding
 - ../bpng_style/portal/images
 - ../bpng_style/shared/images
 - ../webcontent/ps/portal/images
- **Analysis Studio**
 - ../bpng_style/ans/images
- **Query Studio**
 - ../bpng_style/qs/images
 - ../bpng_style/ags/images
 - ../webcontent/qs/images
- **Report Studio**
 - .. /bpng_style/pat/images
- **Report Viewer**
 - ../bpng_style/viewer/images
 - ../bpng_style/prompting/images
 - .. /webcontent/rv/images



Step 5 – Customise Welcome Page, Studio & Error Messages

- Welcome Page
 - `../c8/templates/ps/portal/system.xml`
- Create Welcome Page for `bpng_skin`
 - `../custom_welcome/en/bpng_skin`
 - Add new parameter in `system.xml` to redirect welcome page
- Modify Studio Names on Welcome Page
 - `../c8/templates/ps/messages/Portal_en.xml`
- Modify Studio Names on Cognos Connection
 - `../c8/templates/ps/messages/QSRVUITextPL_en.xml`

Final Customisation

Bank of Papua New Guinea Strategic Reporting System (BSRS)

Note: The Bank of PNG retains ownership of all information contained in the BSRS. All information contained within the BSRS is considered confidential & is covered by the relevant policies, procedures & guidelines relevant to the transmission, sharing & copying of information. By logging into this system you acknowledge & accept all rights & conditions pertinent to confidential information



BSRS

Cognos Admin User [Log Off](#)

My Content

- My home
- BSRS content

BSRS Administration

- Administer BSRS content

Show this page in the future

My Actions

- Manage my scorecards
- Query my data
- Analyse my business
- Create a new reports
- Manage my alerts

[Quick Tour](#)



Screenshots

Daily Exchange Rates

Posting Date: Sep 21, 2010

	FC per USD	FC per PGK (1 PGK =)			PGK per FC (1 FC =)		
		Buy	Mid	Sell	Buy	Mid	Sell
USD - United States Dollar	1.0000	0.3720	0.3675	0.3630	2.6882	2.7211	2.7548
AUD - Australian Dollar	0.9457	0.3933	0.3886	0.3839	2.5426	2.5733	2.6048
CAD - Canadian Dollar	1.0297	0.3840	0.3784	0.3728	2.6042	2.6407	2.6804
CHF - Swiss Franc	1.0041	0.3752	0.3690	0.3628	2.6652	2.7100	2.7563
CNY - Chinese Renminbi	6.7078	2.4978	2.4651	2.4323	0.4004	0.4057	0.4111
DKK - Danish Kroner	5.6903	2.1174	2.0912	2.0650	0.4723	0.4782	0.4843
EUR - European Union Euro	1.3088	0.2850	0.2808	0.2766	3.5088	3.5613	3.6153
FJD - Fijian Dollar	0.5279	0.7076	0.6962	0.6848	1.4132	1.4364	1.4603
GBP - British Pound Sterling	1.5572	0.2390	0.2360	0.2329	4.1841	4.2373	4.2937
HKD - Hong Kong Dollar	7.7638	2.8882	2.8532	2.8181	0.3462	0.3505	0.3548
IDR - Indonesian Rupiah	8,965.9864	3,343.9500	3,295.0000	3,246.0500	0.0003	0.0003	0.0003
JPY - Japanese Yen	85.6054	31.9200	31.4600	31.0000	0.0313	0.0318	0.0323
KRW - South Korean Won	1,159.0340	431.1294	425.9480	420.7606	0.0023	0.0023	0.0024
KWD - Kuwaiti Dinar	0.2868	0.1072	0.1054	0.1036	9.3284	9.4877	9.6525
MYR - Malaysian Ringgit	3.1023	1.1577	1.1401	1.1225	0.8638	0.8771	0.8909
NOK - Norwegian Kroner	6.0460	2.2565	2.2219	2.1872	0.4432	0.4501	0.4572
NZD - New Zealand Dollar	0.7280	0.5111	0.5048	0.4984	1.9566	1.9810	2.0064
PHP - Philippine Peso	43.9869	16.3773	16.1652	15.9531	0.0611	0.0619	0.0627
RUB - Russian Ruble	30.9962	11.5639	11.39				
SBD - Solomon Islands Dollar	0.1372	3.0954	2.88				
SEK - Swedish Krona	6.9712	2.5937	2.56				
SGD - Singapore Dollar	1.3339	0.4963	0.49				
TWD - New Taiwan Dollar	31.6286	11.7965	11.62				
XAU - Gold	9,468.1374	3,530.6631	3,479.54				
ZAR - South African Rand	7.1156	2.6953	2.61				
XDR - Special Drawing Rights	0.6561		0.2407	0.24			

Rows: Columns:

Suppression is applied: Rows, Columns. [Remove All Suppression](#)

Actual Net Variance	Balance Sheet	Profit and Loss	All Accounts
Governor		0.00	26,303,434.44
Regulations Group	-30,779.10	34,159,069.57	34,189,848.67
Operations Group	-24,102,795.73	522,776,581.44	546,879,377.17
Policy Group	-10,415,405.56	-1,185,718,227.25	-1,175,302,821.69
Other	-612,107,428.76	-44,177,267.35	567,930,161.41
Bank of Papua New Guinea	-646,656,409.15	-646,656,409.15	0.00



More Information

- Proven Practice on [IBM.com](https://www.ibm.com)