



Customizing the Interface

Introduction

This document explains how to utilize *themes* to customize the look and feel of the MITS Report interface.

Conventions

- Program code examples, commands, and URLs appear in a monospaced font
- Variables (words or characters that should be replaced in program code examples, commands, and URLs) appear in an *italicized, monospaced* font
- The keyword [themeName] represents the name you will give your theme and should be consistently replaced throughout the document.

Requirements

To apply themes to MITS Report, you will need the following:

- MITS Report 1.2 or greater installed
- a *theme definition file* which has an extension of **.jar**. Information about this file can be found in the section titled “Contents of the Theme Definition File” below.

Contents of the Theme Definition File

MITS Report themes are defined in a collection of files stored in a Java archive file (which has an extension of **.jar**). Files of this type simplify distribution by packaging multiple files into a single instance, similar to a **.zip** file.

To open a **.jar** file on a Windows platform, change the file’s extension to **.zip** and open it with a file compression/expansion utility (such as WinRAR or WinZip®).

WARNING: If you change a file extension from **.jar** to **.zip**, don’t forget to change it back!

There are three files that can be included in the Theme Definition file. Two of them are necessary, the third is optional. They are:

- [themeName].properties
- [themeName].css
- [themeName].js (Optional)

[themeName].properties file

This file defines the name and location of the other theme-defining files. It is made up of two sections: *Custom Theme Settings* and *Standard Properties*.

Custom Theme Settings

This section contains the user-defined name and location of where to find the [themeName].css and [themeName].js files. For example, if your theme were named **theme1**, your "Custom Theme Settings" in the **theme1.properties** file would look like this:

```
customcss=themes/sources/theme1.css
customjs=themes/sources/theme1.js
```

NOTE: Even though the directory is not present in the Theme Definition file, the themes/ root directory must be included at the beginning of the source url for the custom theme to work properly.

Standard Properties

This section contains the default location of the CSS files used by MITS Report and **should not be modified**.

NOTE: If multiple custom themes are created, each [themeName].properties file MUST have a unique name.

[themeName].css file

This file defines the overriding appearance elements of your MITS Report theme, and is covered in more detail in the section "Theme Creation Example: Changing the Top Image" on page 5.

[themeName].js file

This is an optional javascript file that can contain custom scripts. Custom scripts of this kind can be useful for logging or metrics purposes.

Installing New Themes

Installing a theme makes it available for use within MITS Report. To install a new theme, place the Theme Definition (.jar) file in the following directory:

```
MITS Report Installation Directory\webapps\mitsreport\WEB-INF\lib
```

After the Theme Definition file has been placed into the proper directory, the MITS Report service will need to be restarted before the new theme can be applied. For information on restarting MITS Report, see the *MITS Report Installation Guide*.

Applying an Installed Theme

A theme can be applied from within MITS Report or through the Single Sign-On API. This section explains how to apply your custom theme from within MITS Report. To apply a theme through the Single Sign-On API, see “Single Sign-On Integration” below.

Applying a theme while within MITS Report is done by appending `?PREFERRED_THEME=[themeName]` to the URL in your browser’s address bar. This command only needs to be run once for a new theme to be applied. As an example, to apply a theme named **theme1**, you might use a URL similar to the following:

```
http://localhost:8080/displayReportLibrary?PREFERRED_THEME=theme1
```

WARNING: If you attempt to apply a non-existent theme, you will either get an error message or your MITS Report session will crash! Restarting your browser will clear the theme settings.

While this method of applying a theme is useful for testing purposes, this feature is intended for use with the Single Sign-On feature which will allow you to specify a theme that should be used for each specific user. These themes will then be automatically applied each time a user logs on to MITS Report.

Single Sign-On Integration

To activate a custom theme in tandem with the Single Sign-On feature, simply append the following to the image request when authenticating the session:
`&PREFERRED_THEME=[themeName]`

An example image request that contains both the token to be passed, as well as a theme, will look like this:

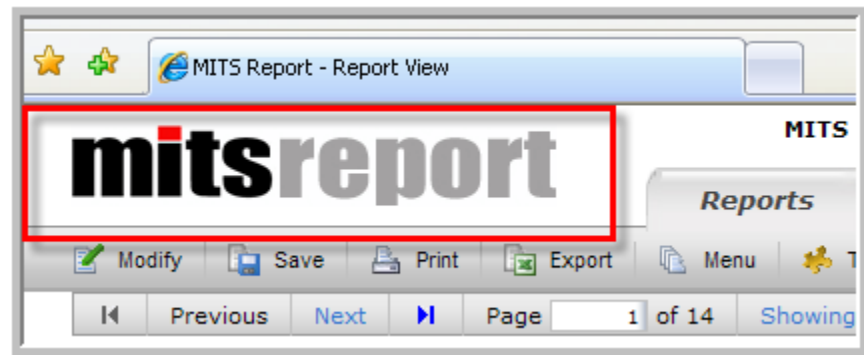
```

```

More information on Single Sign-On can be found in the "Single Sign-On API for MITS Discover and MITS Report" documentation.

Theme Creation Example: Changing the Top Image

There are literally hundreds of changes that can be made to the appearance of MITS Report. Here we will cover how to change the default MITS Report logo that appears in the top-left corner of the interface.



What we'll need:

- a replacement image (**companyLogo.gif**)
- a Theme Definition file (**newTheme.jar**)

To replace the logo:

1. Place the new logo into the MITS Report images directory (*MITS Report Installation Directory\webapps\mitsreport\images*)
2. Extract the contents of the Theme Definition (**.jar**) file
3. Edit **newTheme.css**, located in the `\sources` directory, adding the following code:


```
#logo {
    background: transparent left url ("../images/companyLogo.gif") no-repeat;
}
```
4. Repackage **newTheme.jar**
5. Copy **newTheme.jar** to the themes directory (*MITS Report Installation Directory\webapps\mitsreport\WEB-INF\lib*)
6. Restart MITS Report

