

# Defect Details

**Defect Id:** 121

**Project:** Gallery Server Pro

**Name:** Misleading message during a SQL Server installation

**Date Found:** 8/28/2008

**Build #:** 2.0.2898

**Severity:** Low Impact

**Date Fixed:** 10/16/2008

**Build # of Fix:** 2.1.3211

**Status:** Closed

**Estimated Work:** 1 hrs

**Assigned To:** Roger Martin

**Priority:** Low

**Actual Work:** 1 hrs

**Reported By:** Roger Martin

**Percent Complete:** 100

## Description

Applies to SQL Server installations only. When specifying the runtime user in the installation wizard, one of the options is to specify a SQL login and password. If this login maps to an existing login, the wizard checks to make sure the it can log on to SQL Server using the provided credentials. If not, a message is displayed and the user cannot continue.

The message tells users that the password is incorrect and to try again. However, it may be that the password is correct but that the password has expired and must be changed.

The fix is to improve the accuracy of the message.

## Resolution

The wording of the error message was changed to include the possibility that the credentials are being rejected because the password has expired. Now, when the user can't log on, the following message is displayed:

Unable to connect to SQL Server using login {0}. The password may be incorrect or expired. Enter the correct password or, if the password is expired, change it using your SQL management tool.

{0} is a placeholder for the SQL logon name.

**Defect Id:** 139

**Project:** Gallery Server Pro

**Name:** Image metadata items added twice

**Date Found:** 10/3/2008

**Build #:** 2.1.3196

**Severity:** Medium Impact

**Date Fixed:** 10/3/2008

**Build # of Fix:** 2.1.3198

**Status:** Closed

**Estimated Work:** 1 hrs

**Assigned To:** Roger Martin

**Priority:** Medium

**Actual Work:** 1 hrs

**Reported By:** Roger Martin

**Percent Complete:** 100

## Description

Some metadata items are being added twice. Examples: Camera Model, Camera Make, Date Taken.

## Resolution

This was caused by a code change in the 2.1.3162 release where the `IEquatable<IGalleryObjectMetadataItem>` implementation was removed from `IGalleryObjectMetadataItem` in an effort to implement the best practice of not overriding the `Equals` method. However, this caused the following code in `GalleryServerPro.Business.Metadata.MediaObjectMetadataExtractor.AddExifMetadata` to behave differently:

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```
if((mdi !=null) && (!metadataItems.Contains(mdi)))
{
    metadataItems.Add(mdi);
}
```

The method metadataItems.Contains(mdi) reverted to the standard .NET behavior of checking for equality, which is checking whether two instances are the exact same instance in memory. In our case, they metadata item extracted via the EXIF technique was a different item than the WPF one, and so it was always added.

The fix was to add a new implementation of the Contains method in GalleryServerPro.Business.Metadata.GalleryObjectMetadataItemCollection:

```
public
newboolContains(IGalleryObjectMetadataItemgalleryObjectMetadataItem)
{
    foreach(IGalleryObjectMetadataItemmetadataItemIterator in(System.Collections.Generic.
List<IGalleryObjectMetadataItem>)Items)
    {
        if(galleryObjectMetadataItem.MetadataItemName == metadataItemIterator.MetadataItemName)
        {
            returntrue;
        }
    }
    returnfalse;
}
```

**Defect Id:** 140

**Project:** Gallery Server Pro

**Name:** Error when logging out of my account page

**Date Found:** 10/4/2008

**Build #:** 2.1.3162

**Severity:** Low Impact

**Date Fixed:** 10/4/2008

**Build # of Fix:** 2.1.3199

**Status:** Closed

**Estimated Work:** 1 hrs

**Assigned To:** Roger Martin

**Priority:** Low

**Actual Work:** 1 hrs

**Reported By:** Roger Martin

**Percent Complete:** 100

### Description

A NullReferenceException occurs when clicking the logout link on the my account page (myaccount.aspx).

### Resolution

This is caused by code in the page continuing to execute after a call to Response.Redirect. For version 2.0.2886 I had replaced the original calls to Response.Redirect with these:

```
Response.Redirect(redirectUrl, false);
System.Web.HttpContext.Current.ApplicationInstance.CompleteRequest();
```

This was to prevent the internal exception that was being thrown by the original technique:

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```
Response.Redirect(redirectUrl);
```

It should be noted that I never actually observed this exception occurring (it was happening silently), but I had read about others who had trouble with it and decided to implement their proposed solution.

However, the new technique caused the code in the page to continue executing and not redirecting until all code had run. This didn't seem to cause a problem except on the my account page as described in this bug.

In the end, I reverted to the original technique in all places except global.asax.cs:

```
Response.Redirect(redirectUrl,true);
```

Calling Redirect with true for the second parameter is equivalent to calling it without the second parameter at all.

**Defect Id:** 141

**Project:** Gallery Server Pro

**Name:** Installer does not update provider names

**Date Found:** 10/6/2008

**Build #:** 2.1.3196

**Severity:** Medium Impact

**Date Fixed:** 10/16/2008

**Build # of Fix:** 2.1.3211

**Status:** Closed

**Estimated Work:** 2 hrs

**Assigned To:** Roger Martin

**Priority:** Medium

**Actual Work:** 2 hrs

**Reported By:** Roger Martin

**Percent Complete:** 100

### Description

When the Network Service account does not have modify permission to web.config the installer is unable to update the file. For a SQLite installation this is fine as no changes are needed. But when installing to SQL Server the installer must update the connection string and the provider for membership, roles, and profile.

Currently, at the moment the user selects SQL Server in the installer, it checks to make sure the directory containing web.config and galleryserverpro.config is writable. If not, the user is immediately alerted. However, it may be possible for the installer to be able to write and delete a test file to the directory but not be able to update the config file. This may happen if the user has specifically removed modify permission from one of the config files.

### Resolution

The algorithm was modified to more accurately determine whether the config files are writeable at the moment of data provider selection. This was accomplished by modifying the following functions in ~/installer/default.aspx:

```
private
boolInstallerIsAbleToUpdateWebConfig()
privateboolInstallerIsAbleToUpdateGalleryServerProConfig()
```

The new algorithm performs 3 tests:

1. Can the installer create and delete a test file in the directory containing web.config and galleryserverpro.config?
2. Can the installer open the config files for writing (using File.OpenWrite)?
3. Can the installer rename the config files?

If these tests pass, the installer assumes it will be able to update the config file during the installation phase.

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**Defect Id:** 142

**Project:** Gallery Server Pro

**Name:** Cannot remove user from role

**Date Found:** 10/14/2008

**Build #:** 2.1.3196

**Severity:** Medium Impact

**Date Fixed:** 10/14/2008

**Build # of Fix:** 2.1.3209

**Status:** Closed

**Estimated Work:** 1 hrs

**Assigned To:** Roger Martin

**Priority:** High

**Actual Work:** 1 hrs

**Reported By:** Roger Martin

**Percent Complete:** 100

### Description

Attempting to remove a user from a role on the Manage Users page does not work when using SQLite.

### Resolution

There was a missing line to commit the database transaction in the SQLite role provider. Specifically, the following code was added to GalleryServerPro.Data.SQLite.SQLiteRoleProvider.RemoveUsersFromRoles:

```
if (tran != null) tran.Commit();
```

**Defect Id:** 143

**Project:** Gallery Server Pro

**Name:** Permission error when searching gallery

**Date Found:** 10/14/2008

**Build #:** 2.1.3196

**Severity:** Low Impact

**Date Fixed:** 10/14/2008

**Build # of Fix:** 2.1.3209

**Status:** Closed

**Estimated Work:** 1 hrs

**Assigned To:** Roger Martin

**Priority:** Low

**Actual Work:** 1 hrs

**Reported By:** Roger Martin

**Percent Complete:** 100

### Description

The user may receive the following error message when entering search text in the textbox at the top right of the page:

User 'UserName' does not have permission 'XXXXXXXXXXXX' for album ID -2147483648.

UserName is the logged on user's name and XXXXXXXXXXXX is one of the available permissions, such as EditMediaObject.

The error occurs only when the logged on user does not have permission to view the root album in the gallery.

Steps to reproduce:

1. Log on with an account that does not have permission to view the root album.
2. Navigate to an album with one or more objects.
3. Select Actions - Edit captions.
4. Type something in the search box and click Go.

### Resolution

The search box performs a cross page post to the search page (search.aspx). Code in the search page checks to see if it is in a cross page post back and, if it is, attempts to retrieve the value of the search text. This action causes the

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previous page to go through its page life cycle, triggering events such as Page\_Load, which contains code that assumes the album ID is in the query string. However, the album ID is not present in the search page's query string, so the code may fail.

The solution was to eliminate the use of the cross page feature and move to a redirect instead. The search term is now passed in the query string, where it is detected by the search page.

This change meant we no longer required the use of the ISearchable interface that was defined at `gsweb/master.ISearchable.cs`, so it was eliminated from the solution.

**Defect Id:** 144

**Project:** Gallery Server Pro

**Name:** NullReferenceException when browsing gallery

**Date Found:** 10/16/2008

**Build #:** 2.1.3196

**Severity:** Low Impact

**Date Fixed:** 10/16/2008

**Build # of Fix:** 2.1.3211

**Status:** Closed

**Estimated Work:** 1 hrs

**Assigned To:** Roger Martin

**Priority:** Low

**Actual Work:** 1 hrs

**Reported By:** Roger Martin

**Percent Complete:** 100

### Description

A user received the following NullReferenceException when browsing the gallery:

#### Name

### Resolution

A review of the code indicates that the only way this error can occur is if one of the objects in the GalleryObjectCollection was null or if one of the objects had a null Original property. This should never occur, and I cannot see how it might happen in the code, so ultimately I am not able to fix this. However, I did add additional checks that throw an exception if a null is assigned to the Original property or if a null is added to the collection, thus providing more information closer to the actual bug. If one of these new exceptions are thrown in the future, this bug can be re-opened and hopefully solved.

**Defect Id:** 145

**Project:** Gallery Server Pro

**Name:** Navigation error when one or more objects in album are deleted by another user

**Date Found:** 10/16/2008

**Build #:** 2.1.3196

**Severity:** Medium Impact

**Date Fixed:** 10/16/2008

**Build # of Fix:** 2.1.3211

**Status:** Closed

**Estimated Work:** 2 hrs

**Assigned To:** Roger Martin

**Priority:** Medium

**Actual Work:** 2 hrs

**Reported By:** Roger Martin

**Percent Complete:** 100

### Description

If user A deletes a media object while user B is browsing objects in an album, it is possible that user B will request HTML for a deleted media object. This can result in an exception occurring in the AJAX callback, and the browser window appears unresponsive (and the cursor is "stuck" in the hand style).

### Resolution

An error handler routine was added to the script file mediaobjectview.js to handle any exceptions that occur during a call to the page method GetMediaObjectHtml.

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**Defect Id:** 146

**Project:** Gallery Server Pro

**Name:** Silverlight works intermittently in Firefox 3

**Date Found:** 10/1/2008

**Build #:** 2.1.3162

**Severity:** Medium Impact

**Date Fixed:** 10/18/2008

**Build # of Fix:** 2.1.3213

**Status:** Closed

**Estimated Work:** 4 hrs

**Assigned To:** Roger Martin

**Priority:** High

**Actual Work:** 4 hrs

**Reported By:** Roger Martin

**Percent Complete:** 100

### Description

Objects played in the Silverlight plug-in do not reliably work in Firefox 3. If you refresh the page several times, you will notice sometimes it works and sometimes it doesn't.

### Resolution

Updated the ScriptTemplate and javascript files with the Silverlight 2 versions, which were just released by Microsoft. That seems to have fixed it.