

Defect Details

Defect Id: 76

Project: Gallery Server Pro 2

Name: Syncing makes private albums un-private

Date Found: 11/27/2007

Build #: 2.0.2886

Severity: High Impact

Date Fixed: 11/27/2007

Build # of Fix: 2.0.2887

Status: Closed

Estimated Work: 1 hrs

Assigned To: Roger Martin

Priority: High

Actual Work: 10 min

Reported By: Roger Martin

Percent Complete: 100

Description

Syncing makes private albums un-private

Replication Procedures

Resolution

In SynchronizationManager.SynchronizeDirectory, I modified the following portion:

```
if (this._albumsFromDataStore.TryGetValue(directory.FullName, out childAlbum))
{
    // Found the album. Update properties.
    childAlbum.IsSynchronized = true;
    childAlbum.IsPrivate = parentAlbum.IsPrivate;
    childAlbum.RegenerateThumbnailOnSave = this.OverwriteThumbnail; this._albumsSynchronized.Add
(childAlbum.FullPhysicalPath, childAlbum);
}
```

to this:

```
if (this._albumsFromDataStore.TryGetValue(directory.FullName, out childAlbum))
{
    // Found the album. Update properties.
    childAlbum.IsSynchronized = true;
    childAlbum.IsPrivate = (parentAlbum.IsPrivate ? true : childAlbum.IsPrivate); // Only set to private if parent is
private
    childAlbum.RegenerateThumbnailOnSave = this.OverwriteThumbnail; this._albumsSynchronized.Add
(childAlbum.FullPhysicalPath, childAlbum);
}
```

Notes

Defect Id: 77

Project: Gallery Server Pro 2

Name: Requesting an invalid media object causes an exception

Date Found: 11/27/2007

Build #: 2.0.2886

Severity: Low Impact

Date Fixed: 11/27/2007

Build # of Fix: 2.0.2887

Status: Closed

Estimated Work: 1 hrs

Assigned To: Roger Martin

Priority: High

Actual Work: 1 hrs

Reported By: Roger Martin

Percent Complete: 100

Defect Details

Description

The URL to a media object looks something like this: `http://localhost/dev/gs/default.aspx?moid=9223`. If one changes the value of the moid parameter to an ID that does not represent a valid media object, an `InvalidCastException` exception is thrown with this message: "Error - Unable to cast object of type 'GalleryServerPro.Business.NullObjects.NullGalleryObject' to type 'GalleryServerPro.Business.Interfaces.IAlbum'." The exception is thrown at `GalleryServerPro.Web.WebsiteController.GetAlbum()`.

Replication Procedures

Resolution

This was caused by my recent change to changing all calls to `Response.Redirect` in the application to use the overload that takes a Boolean value false as the second, optional parameter. Setting this to false causes the page code to continue executing rather than immediately redirecting. (The redirect occurs after the page has finished executing.) I did this to avoid the overhead and potential issues from the `ThreadAbortException` that is thrown when the 1-parameter version is called. The `GetAlbum()` then returned a `NullGalleryObject` which could not be cast to an `IAlbum`.

The fix was to change the 'false' to 'true' for the 2nd parameter of the `Redirect` method for `GspPage.GetAlbum`, `WebsiteController.GetAlbum`, and `WebsiteController.GetMediaObject`. My research also indicated that when I am using false, I can skip subsequent application events by adding the following line after the `Redirect`:

```
System.Web.HttpContext.Current.ApplicationInstance.CompleteRequest();
```

However, subsequent page events are still executed. I studied the remaining calls to `Redirect` that still use 'false' for the 2nd parameter and verified that the calls exist near the end of the page processing and that no exceptions are expected to occur.

Notes