MonoTorrent - Bug # 357: TorrentManager.Stop() seems to be asynchronous

Status:	Rejected	Priority: Normal
Author:	Nik Ivanov	Category:
Created:	03/01/2010	Assigned to:
Updated:	03/03/2012	Due date:
Subject:	TorrentManager.Stop() seems to be asynchronous	
Description:	I'm trying to download a file from a multi-file torrent using MonoTorrent. I set the priority of the file to	
	Immediate while all other files are Do Not Download. I monitor the file progress, and once it reaches 100%, I	
	call:	
	torrentManager.Stop();	
	torrentEngine.Unregister(torrentManager);	
	The second line throws an exception:	
	Exception in mainloop	
	The manager must be stopped before it can be unregistered at MonoTorrent.Client.MainLoop.QueueWait(DelegateTask t) at MonoTorrent.Client.MainLoop.QueueWait(MainLoopTask task)	
	at MonoTorrent.Client.ClientEngine.Unreg	ister(TorrentManager manager)
	Is there a way to synchronously stop a tor	rent manager, so I can unregister it?

History

03/01/2010 04:41 PM - Nik Ivanov

Forgot to mention:

torrentManager.Stop();

This happens in MonoTorrent v0.80, release build.

03/03/2010 02:41 PM - Nik Ivanov

The following workaround seems to work at simulating Stop function being synchronous:

This is part of the function where you want to stop and unload the manager:

torrentManager.TorrentStateChanged += new EventHandler<TorrentStateChangedEventArgs>(torrentManager_TorrentStateChanged);

```
lock (ManagerUnloadedLock)
{
    Monitor.Wait(ManagerUnloadedLock);
}

This is the event handler:

private object ManagerUnloadedLock = new object();

void torrentManager_TorrentStateChanged(object sender, TorrentStateChangedEventArgs e)
{
    if (e.NewState == TorrentState.Stopped)
    {
        try
        {
            torrentEngine.Unregister(e.TorrentManager);
            e.TorrentManager.Dispose();
        }
}
```

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```
catch (Exception ex)
{
    //handle exception here, shouldnt really happen
}
finally
{
    lock (ManagerUnloadedLock)
    {
        Monitor.Pulse(ManagerUnloadedLock);
    }
}
```

10/03/2010 02:47 PM - Alan McGovern

- Status changed from New to Rejected

It's asynchronous because several long-lasting tasks need to be performed when you stop a torrent. That's why the manager goes from Active -> Stopping and then from Stopping -> Stopped once those tasks have completed. These tasks can take up to 30 seconds to complete. I don't think making 'Stop' synchronous would be a good solution as the common usage of it would be to call it from a UI event and that would make the common usage block the calling application for a long period of time.

02/29/2012 04:02 PM - guyziiz guyziiz

Thanks for the tips, maybe I can use this svelte my noesis marketing and I've been use whatsoever ethnical media in try a interaction and they eff handicraft a big friendliness on me.

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02/29/2012 04:03 PM - guyziiz guyziiz

Its not the geostationary that commonwealth moldiness be completely fused with communicator's views neighboring musing. So this is what happened with me, anyways its a jazz toil, I revalue it. Thanks

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03/03/2012 08:59 AM - janooishq janooishq

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