# How to bulk update the hyperlink field for TFS workitems using VB.NET

## Introduction

Currently there is no direct way to update the hyperlink field in workitems and customers had to update this field for thousands of workitems. To avoid manual updates, we can write an application using TFS.

## Running the Sample

Build the solution and run the console application by passing the collection information along with old information about hyperlink and new information about hyperlink to update.

## Using the Code

The following code snippet shows how to bulk update the hyperlink field for TFS workitems programmatically.

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| -Code block start-  --VB code snippet start--  Public Shared Sub Main(args As String())  ' Get the Uri to the project collection to use  Dim collectionUri = UpdateHyperLink.Helper.GetCollectionUri(args)  ' Get the old server information and new server information for replacing  Dim oldText As String = args(1)  Dim newText As String = args(2)  Try  ' Get the work item store from the TeamFoundationServer  Console.WriteLine("Connecting to {0}...", collectionUri)  ' Get a reference to the team project collection  Using projectCollection = TfsTeamProjectCollectionFactory.GetTeamProjectCollection(collectionUri)  ' Get a reference to the work item tracking service  Dim workItemStore = projectCollection.GetService(Of WorkItemStore)()  If workItemStore.Projects.Count <= 0 Then  Throw New ApplicationException("There are no projects in this server")  End If  Dim hyperWic As WorkItemCollection = workItemStore.Query("select [system.id] from workitems where [System.HyperLinkCount] > 0")  For Each wi As WorkItem In hyperWic  'Copy the references to the links to another collection, enumerate over that collection, do your remove and add to the wi.Links collection.  Dim tempForEmenuration As New List(Of LinkCollection)()  For Each link As Link In wi.Links  If link.BaseType = BaseLinkType.Hyperlink Then  tempForEmenuration.Add(wi.Links)  End If  Next  For Each temp As LinkCollection In tempForEmenuration  For Each tempLink As Link In temp  Dim hyper As Hyperlink = DirectCast(tempLink, Hyperlink)  If hyper.Location.Contains(oldText) Then  Dim comment As String = hyper.Comment  Dim newLinkAfterChange As String = hyper.Location.Replace(oldText, newText)  temp.Remove(tempLink)  Dim newHyper As New Hyperlink(newLinkAfterChange)  newHyper.Comment = comment  wi.Links.Add(newHyper)  wi.Save()  Exit For  End If  Next  Next  Next  End Using  Catch e As Exception  Console.WriteLine("Error: {0}", e.StackTrace)  End Try  End Sub  --VB code snippet end--  Insert other Programming Language Code Snippet here  -Code block end- |

## More Information

TeamFoundationServer Class

<http://msdn.microsoft.com/en-us/library/microsoft.teamfoundation.client.teamfoundationserver.aspx>

TfsTeamProjectCollectionFactory Class

<http://msdn.microsoft.com/en-us/library/microsoft.teamfoundation.client.tfsteamprojectcollectionfactory.aspx>

WorkItemStore Class

<http://msdn.microsoft.com/en-us/library/microsoft.teamfoundation.workitemtracking.client.workitemstore.aspx>