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Class Generic
    Private Callback As cCallback

    Private Sub DoTask(ByVal state As Object)
        Dim are As Threading.AutoResetEvent = CType(state, Threading.AutoResetEvent)
        Do Until Callback.CallbackState = VixCOM.Constants.VIX_EVENTTYPE_JOB_COMPLETED
            Threading.Thread.Sleep(500)
        Loop
        are.Set()
    End Sub

    Sub main()
        Callback = New cCallback
        m_hostJob = m_lib.Connect(VixCOM.Constants.VIX_API_VERSION, VixCOM.Constants.VIX_SERVICEPROVIDER_VMWARE_VI_SERVER, m_host, m_port, m_user, m_pass, 0, Nothing, Callback)

        Dim wh() As Threading.WaitHandle = {New Threading.AutoResetEvent(False)}
        Threading.ThreadPool.QueueUserWorkItem(AddressOf DoTask, wh(0))
        Threading.WaitHandle.WaitAny(wh, -1, True)
    End Sub
End Class

Public Class cCallback
    Implements VixCOM.ICallback
    Const operationTimeout As Integer = 30000

    Private m_Countdown As Integer = operationTimeout
    Private m_OperationTimer As System.Timers.Timer
    Private m_CallbackState As Integer = 0

    Public ReadOnly Property CallbackState() As Integer
        Get
            Return m_CallbackState
        End Get
    End Property

    Public Sub New(Optional ByVal timeOut As Integer = operationTimeout)
        m_Countdown = timeOut
        m_OperationTimer = New System.Timers.Timer(timeOut)
        m_OperationTimer.AutoReset = True
        m_OperationTimer.Start()
        AddHandler m_OperationTimer.Elapsed, AddressOf OnTimedOperationEvent
    End Sub

    Public Sub OnVixEvent(ByVal job As VixCOM.IJob, ByVal eventType As Integer, ByVal moreEventInfo As VixCOM.IVixHandle) Implements VixCOM.ICallback.OnVixEvent
        Select Case eventType
            Case Is = VixCOM.Constants.VIX_EVENTTYPE_JOB_PROGRESS
                m_CallbackState = VixCOM.Constants.VIX_EVENTTYPE_JOB_PROGRESS
            Case Is = VixCOM.Constants.VIX_EVENTTYPE_JOB_COMPLETED
                m_CallbackState = VixCOM.Constants.VIX_EVENTTYPE_JOB_COMPLETED
            Case Is = VixCOM.Constants.VIX_EVENTTYPE_FIND_ITEM
                m_CallbackState = VixCOM.Constants.VIX_EVENTTYPE_FIND_ITEM
            Case Else
                m_CallbackState = VixCOM.Constants.VIX_EVENTTYPE_JOB_COMPLETED
        End Select
    End Sub

    Private Sub OnTimedOperationEvent(ByVal source As Object, ByVal e As Timers.ElapsedEventArgs)
        If m_Countdown > 0 Then
            m_Countdown -= 1
        ElseIf m_Countdown = 0 Then
            m_OperationTimer.Stop()
            RemoveHandler m_OperationTimer.Elapsed, AddressOf OnTimedOperationEvent
            m_CallbackState = VixCOM.Constants.VIX_EVENTTYPE_JOB_COMPLETED
        End If
    End Sub
End Class
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