

Installation

Copy the PBNet1n.dll to the install directory of Paul Bunyan. E.g. C:\Program Files\Diamond Sierra\Paul Bunyan

Register the DLL in the .Net global assembly cache as follows:

```
gacutil /i [DLL path]\PBNet1n.dll
```

When you want to add a reference to this assembly in your Visual Studio project, select it from the .NET tab in the Add Reference dialog and browse to the PBNet1n.dll.

To remove the assembly from the GAC type:

```
gacutil /u PBNet
```

Classes and Methods

class PBUtil
static C functions are contained in this class.

```
public class DiamondSierra.PaulBunyan.PBUtil :
    object
{
    // Constructors
    public PBUtil();

    // Methods
    public virtual bool Equals(object obj);
    public static UInt32 GetFailCount();
    public virtual int GetHashCode();
    public Type GetType();
    public static void Log(string file, UInt32 line, DiamondSierra.PaulBunyan.PBMessageType msgType, string fmtString, object[] args);
    public static void Log(DiamondSierra.PaulBunyan.PBMessageType msgType, string fmtString, object[] args);
    public static void Log(System.Diagnostics.StackFrame stackFrame, PBMessageType msgType, string fmtString, object[] args);
    public static void Log(string component, string context, PBMessageType msgType, string fmtString, object[] args);
    public static void Log(string file, UInt32 line, string component, string context, PBMessageType msgType, string fmtString,
object[] args);
```

```

    public static System.Resources.ResourceManager ResolveResourceManager(System.Resources.ResourceManager rm);
    public static void SetComponent(PBComponent pcp, string pszName, string pszAustralian, bool bEnable, UInt32 u1Exclude);
    public static void SetComponent(PBComponent pcp, string pszName, ResourceManager rm, string pszAustralian, bool bEnable, UInt32
u1Exclude);
    public static void SetContext(PBContext pcx, string pszName, bool bEnable, UInt32 u1Exclude);
    public static void SetContext(PBContext pcx, string pszName, ResourceManager rm, bool bEnable, UInt32 u1Exclude);
    public static void SetDefaultComponent(DiamondSierra.PaulBunyan.PBComponent pcp, int iOption);
    public static void SetDefaultContext(DiamondSierra.PaulBunyan.PBContext pcx, int iOption);
    public virtual string ToString();
} // end of DiamondSierra.PaulBunyan.PBUtil

```

class PBContext
wrapper for the CPBContext class.

```
public class PBContext :
    object
{
    // Fields

    // Constructors
    public PBContext(DiamondSierra.PaulBunyan.PBContext pcx);
    public PBContext(DiamondSierra.PaulBunyan.PBContext pcx, DiamondSierra.PaulBunyan.PBOption pbOption);
    public PBContext(string pwszName);
    public PBContext(string pwszName, bool blEnable);
    public PBContext(string pwszName, bool blEnable, UInt32 ulExclude);
    public PBContext(string pwszName, bool blEnable, UInt32 ulExclude, DiamondSierra.PaulBunyan.PBOption pbOption);
    public PBContext(string ulNameStringId, System.Resources.ResourceManager hModule);
    public PBContext(string ulNameStringId, System.Resources.ResourceManager hModule, bool blEnable);
    public PBContext(string ulNameStringId, System.Resources.ResourceManager hModule, bool blEnable, UInt32 ulExclude);
    public PBContext(string ulNameStringId, ResourceManager hModule, bool blEnable, UInt32 ulExclude, PBOption pbOption);

    // Methods
    public virtual void __dtor();
    public bool Enable();
    public bool Enable(bool blEnable);
    public virtual bool Equals(object obj);
    public virtual int GetHashCode();
    public Type GetType();
    public UInt32 SetExclude();
    public UInt32 SetExclude(UInt32 ulExclude);
    public void SetName(string pwszName);
    public void SetName(string ulNameStringId, System.Resources.ResourceManager hModule);
    public virtual string ToString();
} // end of DiamondSierra.PaulBunyan.PBContext
```

class PBComponent

wrapper for the CPBComponent class.

```
public class PBComponent :
    object
{
    // Fields

    // Constructors
    public PBComponent(tagPB_COMPONENT* pcp);
    public PBComponent(DiamondSierra.PaulBunyan.PBComponent pcp);
    public PBComponent(DiamondSierra.PaulBunyan.PBComponent pcp, DiamondSierra.PaulBunyan.PBOption pbOption);
    public PBComponent(tagPB_COMPONENT* pcp, DiamondSierra.PaulBunyan.PBOption pbOption);
    public PBComponent(string pwszName);
    public PBComponent(string pwszName, string pwszMessageKey);
    public PBComponent(string pwszName, string pwszMessageKey, bool blEnable);
    public PBComponent(string pwszName, string pwszMessageKey, bool blEnable, UInt32 ulExclude);
    public PBComponent(string pwszName, string pwszMessageKey, bool blEnable, UInt32 ulExclude, DiamondSierra.PaulBunyan.PBOption
pbOption);
    public PBComponent(string ulNameStringId, System.Resources.ResourceManager hModule);
    public PBComponent(string ulNameStringId, System.Resources.ResourceManager hModule, string pwszMessageKey);
    public PBComponent(string ulNameStringId, System.Resources.ResourceManager hModule, string pwszMessageKey, bool blEnable);
    public PBComponent(string ulNameStringId, System.Resources.ResourceManager hModule, string pwszMessageKey, bool blEnable, UInt32
ulExclude);
    public PBComponent(string ulNameStringId, System.Resources.ResourceManager hModule, string pwszMessageKey, bool blEnable, UInt32
ulExclude, DiamondSierra.PaulBunyan.PBOption pbOption);

    // Methods
    public virtual void __dtor();
    public bool Enable();
    public bool Enable(bool blEnable);
    public virtual bool Equals(object obj);
    public virtual int GetHashCode();
    public Type GetType();
    public UInt32 SetExclude();
    public UInt32 SetExclude(UInt32 ulExclude);
    public void SetMessageKey(string pwszMessageKey);
    public void SetName(string pwszName);
    public void SetName(string ulNameStringId, System.Resources.ResourceManager hModule);
    public virtual string ToString();
} // end of DiamondSierra.PaulBunyan.PBComponent
```

class PBScopeLogger

Wrapper for the CPBScopeLogger class.

Since there are no local stack objects in managed code this class uses the IDisposable interface to allow it to participate in block based object lifetime using the 'using' keyword in C#.

```
public class PBScopeLogger :    object, IDisposable
{
    // Fields

    // Constructors
    public PBScopeLogger(DiamondSierra.PaulBunyan.PBMessageType msgType);
    public PBScopeLogger(DiamondSierra.PaulBunyan.PBMessageType msgType, string pwszScope);
    public PBScopeLogger(DiamondSierra.PaulBunyan.PBMessageType msgType, string pwszScope, DiamondSierra.PaulBunyan.PBLogger plgr);
    public PBScopeLogger(string pwszFile, UInt32 ulLine, DiamondSierra.PaulBunyan.PBMessageType msgType);
    public PBScopeLogger(string pwszFile, UInt32 ulLine, DiamondSierra.PaulBunyan.PBMessageType msgType, string pwszScope);
    public PBScopeLogger(string pwszFile, UInt32 ulLine, PBMessageType msgType, string pwszScope, PBLogger plgr);
    public PBScopeLogger(System.Diagnostics.StackFrame stackFrame, DiamondSierra.PaulBunyan.PBMessageType msgType);
    public PBScopeLogger(System.Diagnostics.StackFrame stackFrame, DiamondSierra.PaulBunyan.PBMessageType msgType, string pwszScope);
    public PBScopeLogger(System.Diagnostics.StackFrame stackFrame, PBMessageType msgType, string pwszScope, PBLogger plgr);

    // Methods
    public virtual void __dtor();
    public virtual void Dispose();
    public virtual bool Equals(object obj);
    public virtual int GetHashCode();
    public Type GetType();
    public virtual string ToString();
} // end of DiamondSierra.PaulBunyan.PBScopeLogger
```

class PBLlogger
wrapper for the CPBLogger class.

```
public class DiamondSierra.PaulBunyan.PBLogger :
    object
{
    // Fields

    // Constructors
    public PBLogger();
    public PBLogger(DiamondSierra.PaulBunyan.PBComponent pcp);
    public PBLogger(DiamondSierra.PaulBunyan.PBComponent pcp, DiamondSierra.PaulBunyan.PBContext pcx);
    public PBLogger(DiamondSierra.PaulBunyan.PBComponent pcp, DiamondSierra.PaulBunyan.PBContext pcx, bool bEnable);
    public PBLogger(PBComponent pcp, PBContext pcx, bool bEnable, UInt32 ulExclude);

    // Methods
    public virtual void __dtor();
    public bool Enable();
    public bool Enable(bool bEnable);
    public virtual bool Equals(object obj);
    public virtual int GetHashCode();
    public Type GetType();
    public void Log(string file, UInt32 line, DiamondSierra.PaulBunyan.PBMessageType msgType, string fmtString, object[] args);
    public void Log(string file, UInt32 line, PBMessageType msgType, ResourceManager rm, string fmtString, object[] args);
    public void Log(DiamondSierra.PaulBunyan.PBMessageType msgType, string fmtString, object[] args);
    public void Log(PBMessageType msgType, System.Resources.ResourceManager rm, string fmtString, object[] args);
    public void Log(StackFrame stackFrame, DiamondSierra.PaulBunyan.PBMessageType msgType, string fmtString, object[] args);
    public UInt32 SetExclude();
    public UInt32 SetExclude(UInt32 ulExclude);
    public virtual string ToString();
} // end of DiamondSierra.PaulBunyan.PBLogger
```