

```
using System;

using System.Diagnostics;

using System.IO;

using System.ServiceProcess;

using System.Timers;
```

```
//C:\Windows\Microsoft.NET\Framework\v4.0.30319>InstallUtil.exe "C:\Users\Harshal
\Desktop\Demo Service\Demo Service\bin\Debug\Demo Service.exe"
```

```
namespace Demo_Service
{
    public partial class Service1 : ServiceBase
    {
        Timer timer;

        ProcessInformation pobj;

        public Service1()
        {
            timer = new Timer();

            pobj = new ProcessInformation();

            InitializeComponent();
        }

        protected override void OnStart(string[] args)
        {
            timer.Interval = 5000; // 3600000; // 1000 * 60 * 60;
        }
    }
}
```

```

        timer.Enabled = true;

        timer.Elapsed += new ElapsedEventHandler(OnElapsedTime);

    }

    private void OnElapsedTime(object sender, ElapsedEventArgs e)
    {
        string str = null;

        str = pobj.ProcessInfo();
        pobj.CreateLogFile(str);
    }

    protected override void OnStop()
    {
        if (timer != null)
        {
            timer = null;
        }

        if (pobj != null)
        {
            pobj = null;
        }
    }

```

```
    }  
  
    }  
}
```

```
using System;  
using System.Diagnostics;  
using System.IO;
```

```
namespace Demo_Service
```

```
{
```

```
    public class ProcessInformation
```

```
    {
```

```
        public ProcessInformation()
```

```
        {
```

```
        }
```

```
        public String ProcessInfo()
```

```
        {
```

```
            String ProcessInfo = null;
```

```
            Process[] processlist = Process.GetProcesses();
```

```

        foreach (Process p in processlist)
        {
            ProcessInfo += "Process: " + p.ProcessName + " ID: " + p.Id + "
Threads: " + p.Threads;

            ProcessInfo += "\n\n";
        }

        return ProcessInfo;
    }

    public void CreateLogFile(string str)
    {
        string path = AppDomain.CurrentDomain.BaseDirectory + @"\Logs";

        string date = @"\ProcessLog_" +
DateTime.Now.ToShortDateString().Replace('-', '_') + ".txt";

        if (!Directory.Exists(path))
        {
            Directory.CreateDirectory(path);
        }

        string filepath = path + date;

        if (!File.Exists(filepath))
        {
            using (StreamWriter sw = File.CreateText(filepath))
            {
                sw.WriteLine(str);
            }
        }
    }

```

```
        }  
    }  
    else  
    {  
        using (StreamWriter sw = File.AppendText(filepath))  
        {  
            sw.WriteLine(str);  
        }  
    }  
}  
  
}  
  
}
```