

Application which creates service which maintains Log file and add the information in that log file about status of the service.

Note : Before creating the service please refer "**Marvellous Infosystems - C# .Net Applications - Steps to Create Services in C#**" PDF which contains steps to create Service

### Service.cs

```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Diagnostics;
using System.IO;
using System.Linq;
using System.ServiceProcess;
using System.Text;
using System.Timers;

namespace MarvellousService
{
    public partial class Service1 : ServiceBase
    {
        public Service1()
        {
            InitializeComponent();
        }

        protected override void OnStart(string[] args)
        {
            MarvellousWriteToFile("Marvellous Service started");
        }

        protected override void OnStop()
        {
            MarvellousWriteToFile("Marvellous Service stoped");
        }

        public void MarvellousWriteToFile(string Message)
        {
            string path = AppDomain.CurrentDomain.BaseDirectory + "\\MarvellousLogs";

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

            string filepath = AppDomain.CurrentDomain.BaseDirectory + "\\MarvellousLogs\\
\\MarvellousServiceLog_" + DateTime.Now.Date.ToShortDateString().Replace('/', '_') +
".txt";
```

```

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

```

### ProjectInstaller.cs

```

using System;
using System.Collections;
using System.Collections.Generic;
using System.ComponentModel;
using System.Configuration.Install;
using System.Linq;

namespace MarvellousService
{
    [RunInstaller(true)]

    public partial class ProjectInstaller : System.Configuration.Install.Installer
    {
        public ProjectInstaller()
        {
            InitializeComponent();
        }
    }
}

```

After successful execution of above service **MarvellousLogs** folder gets created in current directory.

Inside that directory new file gets created named as **MarvellousServiceLog\_(Date)** which contains service log.