

# Developing and deploying Windows Service / HTML5 SDK application

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## Introduction

This tutorial explain how to create and deploy a Windows Service application for PowerPoint to HTML5 conversion.

Tested machines:

Win 8 x64, PowerPoint 2013 x64

Win 8.1 x64, PowerPoint 2013 x64

Win Server 2008 x64, PowerPoint 2013 x64

## Create Windows Service App

We will create a simple Service app with windows service Visual Studio template. This service will check a give directory in regular intervals for presentations and convert the presentations with a command line exe.

In this project we assume that

1. Latest version of **HTML5Point SDK** is installed in the system and there is a directory called "**HTML5ConverterService**" in the OS drive preferably in the C:\ drive.
2. Three folders with names
  - a. **InputFolder** directory which contains input presentation.
  - b. **TmpFolder** directory which will keep presentations before converting.
  - c. **OutputFolder** directory where output is kept.
3. There is a command line exe which uses the **HTML5Point SDK** converter named **Ppt2Html5.exe** in "**HTML5ConverterService**" directory.

## Create Service

### Open **Visual Studio**

- On the **File** menu, click **New Project**.
- The **New Project** dialog box opens.

Select **Windows Service** in the list of Visual Basic or Visual C# project templates, and name the project **HTML5ConverterService**. Click **OK**.

The project template automatically adds a component class named **Service1**.

## Create new service

In solution explorer right click on **HTML5ConverterService** project and select

**Add -> New Item**

In the **Add New Item** form select **Windows Service** and give name **HTML5ConverterService.cs** and click **Add** button.

Use sample project code given with this document to add code in **HTML5ConverterService.cs** file.

Set HTML5ConverterService as default service

Open **Program.cs** file.

Replace

```
new Service1();  
  
with  
  
new HTML5ConverterService();
```

Now delete service **Service1** (Select **Service1.cs** in Solution Explorer and press delete.)

Create the installer for service

1. In **Solution Explorer**, right-click **HTML5ConverterService.cs** and select **View Designer**.
2. Click the background of the designer to select the service itself, instead of any of its contents.
3. With the designer in focus, right-click, and then click **Add Installer**.  
By default, a component class that contains two installers is added to your project. The component is named **ProjectInstaller**, and the installers it contains are the installer for your service and the installer for the service's associated process.
4. In **Design** view for **ProjectInstaller**, click **serviceInstaller1**.
5. In the **Properties** window, make sure the **ServiceName** property is set to **HTML5ConverterService**.
6. Set the **StartType** property to **Automatic**.
7. In the designer, click **serviceProcessInstaller1**. Set the **Account** property to **LocalSystem**. This will cause the service to be installed and to run on a local service account.

Build your service project.

To install a Windows service

1. On the **Start** menu or Start Page, open the shortcut menu for **Developer Command Prompt**, and then choose **Run As Administrator**.
2. Enter the following command:  
**installutil.exe <path to exe>HTML5ConverterService.exe**

## To start and stop your service

1. To open the Services Control Manager in Windows 8.1, Windows 8, Windows 7, Windows Vista, and Windows Server, right-click **Computer** on the **Start** menu, and then click **Manage**. In the **Computer Management** console, expand the **Services and Applications** node in the left pane. Click **Services**.  
You should now see **HTML5ConverterService** listed in the **Services** section of the window.
2. Select your service in the list, right-click it, and then click **Start**.
3. Right-click the service, and then click **Stop**.

## To uninstall your service

1. On the **Start** menu or Start Page, open the shortcut menu for **Developer Command Prompt**, and then choose **Run As Administrator**.
2. Enter the following command:  
**installutil.exe /u <path to exe>HTML5ConverterService.exe**