

Web client print manual for developers.

Web client print is used for dialog free print from browser. It have ability to print html page silently. Developer need to follow blow steps to successfully integrate with your web site.

Reference and Initialize

For print silent Developer need to add javascript reference of **silentPrint.min.js** into their web pages where they want to print html page. Add JS reference in HTML page following way.

```
<script src=~/Scripts/silentPrint.min.js"></script>
```

After adding reference, need to initialize silent print object. See below example.

```
<script type="text/javascript">
  var sp = new SilentPrint();
  sp.init(initSuccess, initFail);

  function initSuccess() {
    //do stuff
  }

  function initFail() {
    //do stuff
  }
</script>
```

Silent print object have **init** method. this method initialize connection between Web Client Print application and browser. This method takes two argument as callback function.

- 1) Success callback
This function calls when connection successfully established. You can now use application functionality.
- 2) Fail callback
This function call when application not installed on machine. You can prompt user that to install application on PC.

Functionality

After successfully initialization now you can use application functionality. Below you see each function in details with code example.

1) Printer list.

One of the application function is fetch all printer names that is available on client's machine. To fetch list we have function named **getPrinterList**.

```
sp.getPrinterList(getPrinterListSuccess);  
  
function getPrinterListSuccess(list) {  
    //here list is javascript string array of printers.  
}
```

getPrinterList method takes one argument as a callback function and function will be called ones printer list is fetched from local machine.

2) Machine Id

Here machine id is in meaning of unique identifier of PC. It is useful when web application need a unique identifier for machine.

```
sp.getMachineId(getMachineIdSuccess);  
  
function getMachineIdSuccess(machineId) {  
    //here machineId is unique identifier of machine.  
}
```

3) Print Html Document

This is most helpful function of application. It have ability to print HTML document without prompting user to print it. We can print HTML document silently to printer.

```
var printSetting = {};  
printSetting.PageHeight = 50;  
printSetting.PageWidth = 100;  
printSetting.PrinterName = "HP DeskJet 1112";  
printSetting.MarginLeft = 0;  
printSetting.MarginTop = 0;  
printSetting.Url = "http://riwsoftware.com/testPrint";  
printSetting.Orientation=0;  
  
sp.printDocument(printSetting);
```

First declare JavaScript object to store print setting. This object can have following properties as shown in above code sample.

- 1) **PageHeight**: Height of print page. It must be in **mm**. Also this property is required.
- 2) **PageWidth**: Width of print page. It is also in **mm** and required.
- 3) **PrinterName**: Name of printer that we want to print within. If this property is not declared then it will print in default printer.
- 4) **MarginLeft**: Left side margin of print page in **mm**. This is optional.
- 5) **TopMargin**: Top margin of print page in **mm**. This is also optional.
- 6) **Url**: URL of HTML page that we want to print. It must be Absolute URL. Relative URL will not work.
- 7) **Orientation**: Orientation of page, either Portrait or Landscape. This is option property Default is Portrait. Here 0 is for Portrait and 1 for Landscape.

After declaring print setting object and assign appropriate properties pass this object to **printDocument** method of SilentPrint object as shown in code sample.

4) Print PDF file

Silent print application has also ability to print PDF file from web application. Use **printPDF** function to print PDF file.

```
var printSetting = {};  
printSetting.PrinterName = "HP DeskJet 1112";  
printSetting.Url = "http://riwsoftware.com/test.pdf";  
  
sp.printPDF(printSetting);
```

printPDF function accept same parameter as we seen in Print Html Document. For Url property you must have to set url that returns PDF file.