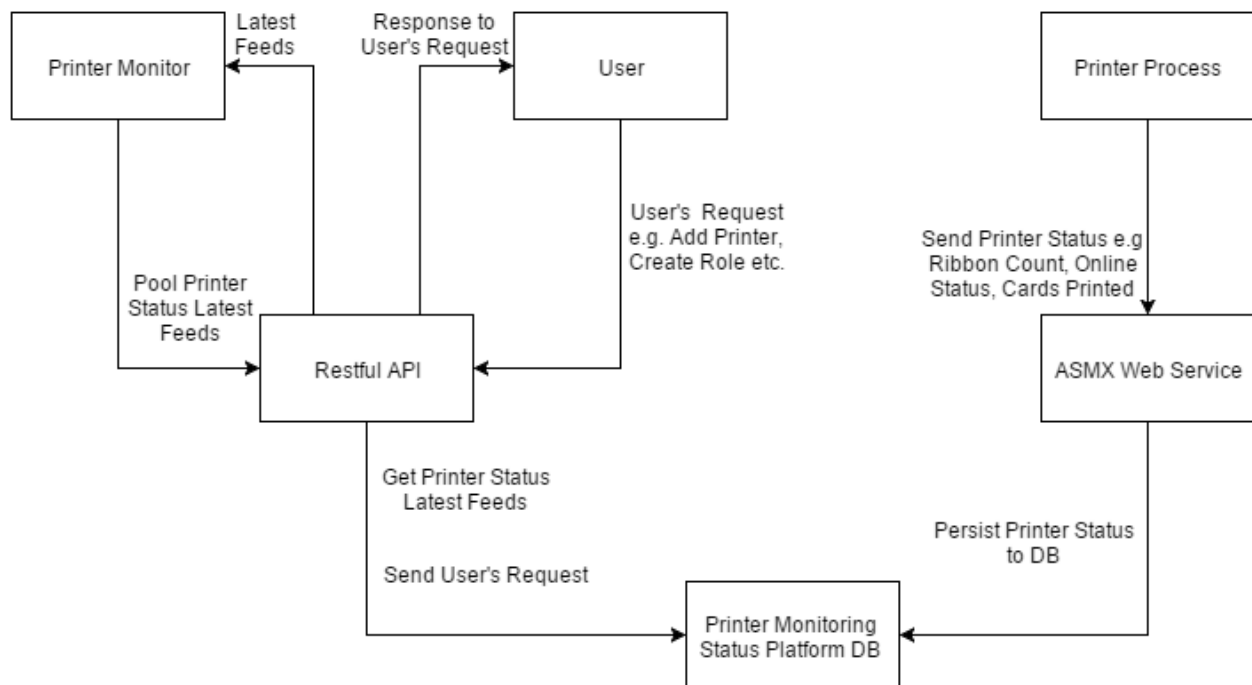# PRINTER STATUS MONITORING PLATFORM

Brief Description

The Printer Status Monitoring Platform is a web application that monitors and reports the following information about all the configured printers of the bank:

- Printer Ribbon Count.
- Number of Cards Printed by the Printer.
- The online Status of a Printer.

The printer status monitoring functionality of the application depends solely on the printer processes that interact directly with the printers to gather and send the information (feeds) been monitored through an API to the web application.

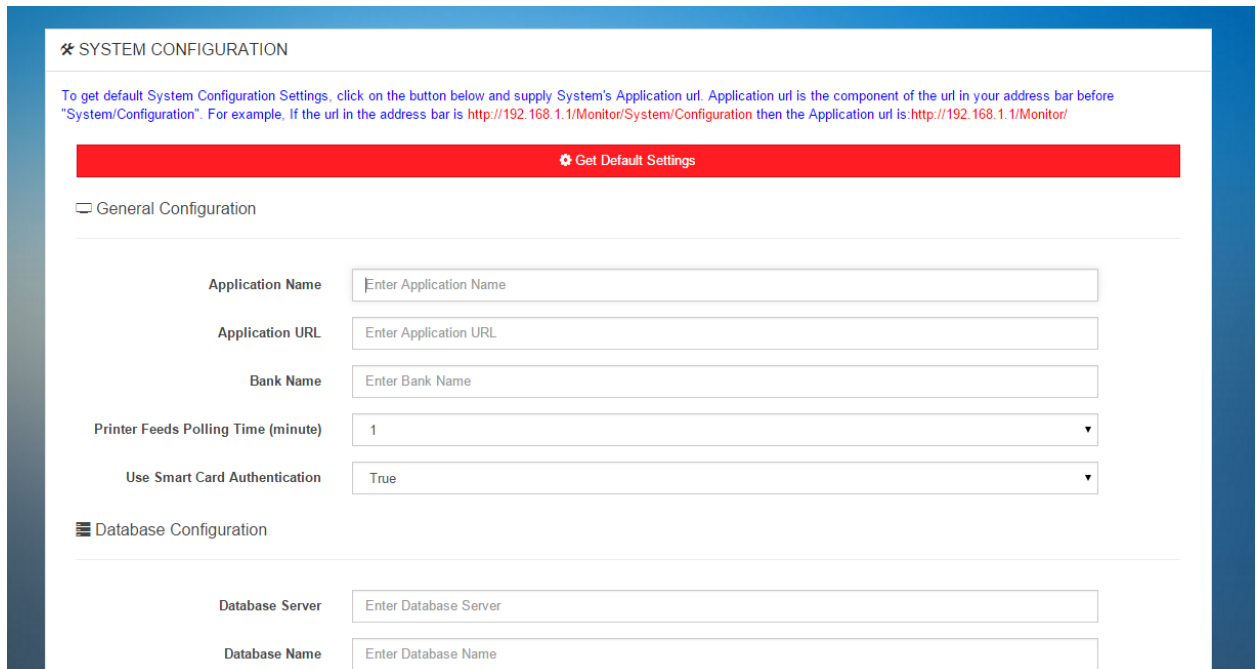## Basic Platform Architecture

Deployment Procedure

Go through the following steps to deploy the platform:

1. Backup and restore the PrinterMonitorDB database.
2. Copy and paste the platform application folder to the deployment folder e.g "C:\inetpub\wwwroot\".
3. Add **Everyone** to the Security of the deployed folder by right clicking on the folder and doing the following:

      a.   Click the Properties Menu

      b.   Click the Security Tab on the displayed dialog box

      c.   Click the Edit button

      d.   Click on the Add button on the displayed dialog box

      e.   Type **Everyone** and click the OK button.

      f.   Click Apply

4. Launch IIS and create an application with the **Physical Path** pointing to the path of the deployed folder in step 2. For example, if the path to the deployed folder is "*C:\inetpub\wwwroot*", then the Physical Path will be: "*C:\inetpub\wwwroot\FolderName*". Also, set the **Application Pool** to either .NET 4.5 or .NET 4.0

Platform Configuration

1. Browse the deployed application using: http://the-domain-name/the-application-name/. This should take you to the Login Page if everything is OK.

2. If step one is ok, browse, the Url: http://the-domain-name/the-application-name/System/Configuration. You should now see a page that looks like this page:

✦ SYSTEM CONFIGURATION

To get default System Configuration Settings, click on the button below and supply System's Application url. Application url is the component of the url in your address bar before "System/Configuration". For example, If the url in the address bar is http://192.168.1.1/Monitor/System/Configuration then the Application url is:http://192.168.1.1/Monitor/

⚙ Get Default Settings

🖥 General Configuration

Application Name	Enter Application Name
Application URL	Enter Application URL
Bank Name	Enter Bank Name
Printer Feeds Polling Time (minute)	1 ▾
Use Smart Card Authentication	True ▾

☰ Database Configuration

Database Server	Enter Database Server
Database Name	Enter Database Name

Follow the instruction, fill in the text boxes with the correct values, because the application depends majorly on these settings. Once you are through, click on the **Configure** button and the application will take care of the rest.

Congratulation!!! Your application is deployed and configured. Go on and start making use of its features.