

PAE Business API Integration

PA @ business



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Contents

Introduction	3
Web Service Functions	3
PAE Checklist	5

1 Introduction

Information such as meter readings, consumable and toner levels are collected daily from each registered device. The information is collated by Dealer and customer and loaded into a PAE central data repository. The PAE central repository is refreshed daily between 05:00 and 06:00.

PAE have created a number of web service functions that allow customers to extract information.

2 Web Service Functions

2.1 GetMachineData

This function allows data to be extracted from the Web Service for any machine alerts

2.1.1 Parameters

The following parameters must be passed as part of the URL:

Parameter Name	Sample Content	Data Type	Mandatory
Dealer ID	1221	Numeric	Y
StartDateTime	07/03/2018 09:00	Date/Time	Y
EndDateTime	07/03/2018 23:00	Date/Time	Y
Key	3855A6AF187F74792024B9068318B83F74524A23	Binary	Y

2.1.2 Output

The output is displayed in an XML format. The layout of the message is below:

```

<Device>
  <Devices>
    <DeviceId>[REDACTED]</DeviceId>
    <ScanDateLocalized>2020-04-17T13:54:53.970</ScanDateLocalized>
    <Services>
      <Service>
        <ErrorCode>13</ErrorCode>
        <ErrorMessage>Bac 3 vide... Ordinaire, A4 </ErrorMessage>
      </Service>
    </Services>
  </Devices>
  <Devices>
    <DeviceId>[REDACTED]</DeviceId>
    <ScanDateLocalized>2020-04-17T16:55:38.037</ScanDateLocalized>
    <Services>
      <Service>
        <ErrorCode>13</ErrorCode>
        <ErrorMessage>Bac 3 vide... Ordinaire, A4 </ErrorMessage>
      </Service>
    </Services>
  </Devices>
</Device>

```

2.1.3 URL

Below is an example of the URL:

http://IPAddress/PAE_WebS/Service1.asmx/GetMachineData?DealerId=1221&StartDateTime=04/17/2020%2009:00&EndDateTime=04/17/2020%2023:00&Key=0x22531F5C-FA99137A649FC1CF8EC78076341D75AE

2.2 GetDeviceData

This function provides data on the specific devices that are allocated to dealers. The function provides comprehensive information such as dealer name, customer name, site, meter readings include scan/copy/prints. It also contains information for toners and consumables.

2.2.1 Parameters

The following parameters must be passed as part of the URL:

Parameter Name	Sample Content	Data Type	Mandatory
Dealer ID	1221	Numeric	Y
Key	3855A6AF187F74792024B9068318B83F74524A23	Binary	Y

2.2.2 Output

The output is displayed in an XML format. The layout of the message is below:

```
<Device>
  <Name>Develop ineo+ 368</Name>
  <ModelName>Ineo+ 368</ModelName>
  <SerialNumber>[REDACTED]</SerialNumber>
  <FirmwareVersion>A7PU0Y0-0100-G00-84</FirmwareVersion>
  <Manufacturer>DEVELOP</Manufacturer>
  <IPAddress>192.168.0.200</IPAddress>
  <MacAddress>[REDACTED]</MacAddress>
  <IsColor>True</IsColor>
  <CustomFieldOne>7226</CustomFieldOne>
  <HostName>GENB29568</HostName>
  <ScanDateLocalized>2020-04-17T00:08:29</ScanDateLocalized>
  <DeviceId>[REDACTED]</DeviceId>
  <DeviceKey>[REDACTED]</DeviceKey>
  <LifeCount>333944</LifeCount>
  <LifeCountMono>125438</LifeCountMono>
  <LifeCountColor>208506</LifeCountColor>
  <CopyCount>36233</CopyCount>
  <CopyCountMono>32905</CopyCountMono>
  <CopyCountColor>3328</CopyCountColor>
  <PrintCount>297711</PrintCount>
  <PrintCountMono>92533</PrintCountMono>
  <PrintCountColor>205178</PrintCountColor>
  <ScanCount>31037</ScanCount>
  > <ExtendedCounts>...</ExtendedCounts>
  > <SiteInfo>...</SiteInfo>
  > <CustomerInfo>...</CustomerInfo>
  > <DealerInfo>...</DealerInfo>
  > <Toners>
    > <TonerBlack>...</TonerBlack>
    > <TonerCyan>...</TonerCyan>
    > <TonerMagenta>...</TonerMagenta>
    > <TonerYellow>...</TonerYellow>
    > <TonerWaste>...</TonerWaste>
  </Toners>
  > <Consumables>...</Consumables>
</Device>
```

2.2.3 URL

Below is an example of the URL:

http://IP Address /PAE_WebS/Service1.asmx/GetDeviceData?DealerId=1221&Key=0x22531F5C-FA99137A649FC1CF8EC78076341D75AE

3 PAE Checklist

3.1 PAE

- Devices are registered on IDM
- Dealer IDM Report and machine alerts are set up and processed to send to central mailbox

3.2 Central Repository Checklist (DWH)

- Dealer report and machine alerts are processing daily into the PAE central data repository
- Addition of new dealer into the main Web Service Dealer table
- Ensure procedure proc_WebS_GetMachineData displays the correct data and the XML Inventory file is copied into appropriate folder

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