

Creating Custom PNG Driver and Globally Making them Available

Steps

Create Custom directory

1. Log on server as user ID that has update permission to sashelp (in SASROOT)
2. On server:
 - a. cd to SASROOT directory or any common directory that is accessible by all users
 - b. Create a directory, `mkdir custom` (we called it custom)
 - c. Get the SAS code given in the appendix A and copy them to the custom directory
 - d. Make sure the directory has appropriate permissions to execute: `chmod 744 *`

Note: For our example we created the directory in `/apps/sas9.1.3/` and called it `custom`, we named our example code as `device_step1.sas` and `device_step2.sas` and we will refer to it in this example.

Creating PNG Custom Driver

1. Execute step1 as
 - a. `/apps/sas9.1.3/sas -work /saswork /apps/sas9.1.3/custom/device_step1.sas & <enter>`
 - b. `ls -l /apps/sas9.1.3/custom` (looking for `device_step1.log` if present, then do)
 - c. `grep -i error /apps/sas9.1.3/custom/device_step1.sas` (there should be no error)
 - d. `ls -l` should show a `devices.sas7bcat` created.

Making Custom PNG Driver Globally Available

2. Execute step 2
 - a. `/apps/sas9.1.3/sas -work /saswork /apps/sas9.1.3/custom/device_step2.sas & <enter>`
 - b. `ls -l /apps/sas9.1.3/custom` (looking for `device_step2.log` if present, then do)
 - c. `grep -i error /apps/sas9.1.3/custom/device_step2.sas` (there should be no error)
 - d. `ls -l` should show a `devices.sas7bcat` created.

Step 2 copied the custom PNG driver in to the sashelp directory where by default (via `sasv9.cfg`) sashelp is referred to hence alleviating us from

Appendix A

Device_step1.sas & device_step2.sas Code listing:

```
/* device_step1.sas */
```

```
libname gdevice0 '/apps/sas9.1.3/custom';
```

```
proc gdevice cat=gdevice0.devices nofs;
```

```
  copy PNG
```

```
  from = sashelp.devices
```

```
  newname = PNG300;
```

```
  modify PNG300
```

```
    xpixels = 2400
```

```
    xmax    = 8 in
```

```
    ypixels = 1800
```

```
    ymax    = 6 in;
```

```
  run;
```

```
quit;
```

```
/* device_step2.sas */
```

```
libname gdevice0 '/apps/sas9.1.3/custom';
```

```
proc gdevice cat=sashelp.devices nofs;
```

```
  copy PNG300 from=gdevice0.devices;
```

```
run;
```

```
quit;
```

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