

## Mask Sensitive Report Data WITHOUT Application Changes Using the RPL Option of JES2Mail and JES2FTP

Protecting sensitive data such as SSNs, account numbers, userids and passwords has never been more important. The JES2Mail and JES2FTP powerful Report Processing Language (RPL) can remove or mask sensitive data before reports are delivered - without changing your underlying application.

For example, specific data from a payroll register report is needed by certain users, however, those same users do not need and should not have employee names, SSNs, and other sensitive data. The RPL option of JES2Mail and JES2FTP can handle this task by masking the relevant data before delivery.

This example is a payroll register report. To distribute this to a user who needs data from the report, but does not need to know employee names or employee SSNs, we can simply mask the relevant data using the RPL option. Below is an image of the report as it is originally produced:

RUN DATE 08/23		TAX ENTITY 00006 ALPHA INCORPORATED					
RUN TIME 14:32		PAY ENTITY MNTH6 MONTHLY (DIV040)					
PERIOD 2 DATE 02/28		REPORT ID. 019 PAYROLL REGISTER					
CT-----EARNINGS-----				-----TAXES-----			
KTCDE	SO	HOURS	CURR AMOUNT	YTD AMOUNT	TAXNO MRO DEP	CURR BASE	CURR AMOUNT
EMPL: 275432711		HAMPSHIRE, PAULINE M			PR/YR:	D/T:	4303000 DEPT
R 001	M	173.33	5,833.33	11,397.42	\$\$00M	5,833.33	84.58
401	A		875.00-	1,780.29-	\$\$001	5,833.33	361.66
OVT				201.93	\$\$002 S 0	4,958.33	920.42
324				269.24	CA006 SR 0	5,833.33	68.83
					CA SR 0	4,958.33	277.63
CHECK TOTALS:		HOURS	173.33	EARNINGS	5,833.33	TAXES	1,713.12
		EMPLOYER NON-GROSS			875.00-	TAXES	DEDUCTIONS
EMPL: 005031132		RAZPA, EMPLOYEE THREE			PR/YR:	D/T:	4303000 DEPT
R 001	M	173.34	3,333.33	6,512.82	\$\$00M	3,333.33	48.34
324				153.84	\$\$001	3,333.33	206.66
					\$\$002 S 0	3,333.33	514.17
					CA SR 0	3,333.33	128.89
CHECK TOTALS:		HOURS	173.34	EARNINGS	3,333.33	TAXES	898.06
							DEDUCTIONS

The following JES2Mail (JES2FTP) ruleset is used to mask both employee names and numbers:

```
ID: PayReg1
To: &Userid;&OurDomainName;
From: jes2mail&OurDomainName;
Subject: Payroll Register
PackageType: PDF
PageSize: Letter
Orientation: Landscape
Font: Courier
FontSize: medium
Script: dd:Script
```

This ruleset packages the report as a PDF document and uses symbolic substitution for the addressing parameters.

