Provided is a method of printing barcodes from an Enterprise Resource Planning (ERP) system. A label name is added to a barcode data in the ERP system, wherein the label name is unique to a barcode in the barcode data. The label name and the barcode data are transmitted to a server. The label name is analyzed to identify the barcode in the barcode data, and the identified barcode is replaced with a PostScript program, unique to the identified barcode, for visually rendering the identified barcode. The PostScript program, unique to the identified barcode, is transmitted for printing the identified barcode.