

Alert Notes

Risk Dimensions[™] Analyst and Enterprise Editions Release 2.20

Please Read Before Beginning Installation

Introduction

Alert Notes list problems that you need to be aware of before installing or using this software. Should you need assistance with the software, we ask that only the SAS Installation Representative or SAS Support Consultant call our Technical Support Division. Sites in the U.S. and Canada may call (919) 677-8008. Other sites should contact their SAS Installation Representative or SAS Support Consultant for the nearest SAS Institute Office.

The PROTO procedure will fail when saving function package lists if a large number of structures and function prototypes are defined in the procedure.

This problem was discovered when a SAS System macro was used to define multiple elements in a structure in the PROTO procedure. The macro was used to simulate an array of structures defined in another structure. For example, instead of generating:

```
struct foo elem[1000];
```

as an element in another structure, this method generates:

```
struct foo elem1, struct foo elem2, struct foo elem3, ..., struct foo elem1000
```

as elements in the structure.

All the text this macro generates is stored on the function package list. The function package list can get large if a few macros are used in this way (and the number of elements in the structure arrays are large, along with a large number of functions and function arguments). If there is not enough memory to handle this function package list, then a memory fault occurs.

A patch to fix the out of memory problem is forthcoming. The capability for handling an array of structures within a structure will be available in a future release.

To work around the problem, call the macro only with the number of elements you will actually address in the risk procedures. For example, change:

```
%macro str_past;                                /* Implement an array of structures */
  %do i = 1 %to &str_size;                       /* MAX_STRUCTURE_SIZE */
    double      LastRates&i;
  %end;
%mend;
```

to:

```
%macro str_past;                                /* Implement an array of structures */
%do i = 1 %to 5;                                  /* If you will only address first 5 */
  double      LastRates&i;
%end;
  double LastRates[ &str_size - 5];
%mend;
```

if you are only going to access the first five elements.

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