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                                gridtest.sas
options nosource;                /* Do not show source when running... */

/* The grdsvc_enable call will go out to the SAS Metadata Server and */
/* find the SAS Grid Server definition. A return code of 0 means that */
/* all signons will use the grid. A non-0 return code means that there */
/* is a problem that should be investigated. */
%let SasAppSvr=SASApp;

/* This program assumes a SAS application server of SASMain. If you */
/* are using SASApp or some other SAS application server, you must */
/* modify the enable and nodes function calls to specify your SAS */
/* application server. */

%put;%put Trying to enable the grid for grid server &SasAppSvr...;
%let gerc=%sysfunc(grdsvc_enable(_all_,resource=&SasAppSvr));
%put;%put Grid enable return code=&gerc (0 indicates grid was enabled);

/* Define a macro to loop to make sure that the grid nodes have been */
/* set up correctly. */

%macro loop;

    /* If the grdsvc_enable call worked, try to signon to all nodes */
    %if (&gerc = 0) %then %do;

        /* The grdsvc_nnodes call will provide the number of grid nodes */
        /* available in the grid. */
        %let nnodes=%sysfunc(grdsvc_nnodes(resource=&SasAppSvr));
        %put;%put Number of grid nodes=&nnodes;

        /* You can view the progress of the signons using the Grid Manager.*/
        /* Watch for Job Names such as SASGrid:xxxx where xxxx is the value*/
        /* of the sysjobid of this SAS session. */
        %put;%put Job Name as it will appear in Grid Manager=SASGrid:&sysjobid;%put;

        /* Loop through all possible grid nodes */
        %do i=1 %to &nnodes;

            /* Signon to the next grid node */
            signon grdn&i cmacvar=SignonStatus;

            /* If the signon worked, put out information about the node */
            %if (&SignonStatus = 0) %then %do;
                %let nodename=%sysfunc(grdsvc_getname(grdn&i));
                %let nodeaddr=%sysfunc(grdsvc_getaddr(grdn&i));
                %put; %put Session started on grid node: name, addr ==> &nodename,
&nodeaddr;%put;%put;
            %end;

            /* If the signon failed, put out a message */
            %else %do;
                %put;%put Signon failed to node &i;
            %end;

        %end;

        /* Stop SAS running on the grid nodes. */
        signoff _all_;

    %end;

    /* If the grdsvc_enable failed, do not signon to any nodes */
    %else %do;

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                                gridtest.sas
%put;%put Grid not enabled, signon loop cancelled;
%end;

%mend;

/* Invoke the loop macro to issue the signons.                */
/* Monitor the progress of the signon to the nodes using SAS */
/* Management Console and the Grid Manager.                  */
%loop;                                                         */
```