Example 1 - Define an Agent

This example defines the agent REPORTS to run on Thursday evening at 8:30 p.m. It invokes the Preview window in which the user enters the SAS statements that are needed to run at the specified time.

```sas
init:

station_c =
  loadclass('sashelp.connect.station.class');
station_i = instance(station_c);

collection = 'acollection';
call send(station_i, '_open', collection, rc);

agent_c = loadclass('sashelp.connect.agent');
agent_i = instance(agent_c);

domain = 'tcp://mynode.xyz.com/domsrv';
call send(agent_i, '_setDomainInfo', domain,
  collection, rc, '', station_i);

/* display Preview window so user can */
/* enter SAS statements to define */
/* to agent */
rc = preview('EDIT');

agentname = "reports";
description =
  'Agent that runs thursday night report.';

/* location of where agent actually */
/* runs, which differs from domain name */
/* which specifies the DOMAIN server */
/* where the agent is defined */
runloc = 'tcp://mainnode.xyz.com/myserv';
```
Example 2 - Retrieve an Agent Information

This example uses the notification queue to retrieve the agent name and runkey values. The runkey can then be used to retrieve the actual log and output from the agent run.

init:

station_c = loadclass(‘sashelp.connect.station.class’);  
station_i = instance(station_c);

collection = ‘acollection’;
domain = ‘tcp://mynode.xyz.com/domsrv’;
call send(station_i, '_open', collection, rc, domain);

queue_c = loadclass(‘sashelp.connect.queue’);  
queue_i = instance(queue_c);
call send(queue_i, '_open', station_i, 
‘checkq’, "FETCH", rc);

eventtype = ‘’;
runkey=0;
hdrlist = makelist();
Example 3 - Run an Agent

This example runs an agent that is already defined at the DOMAIN server. It then uses the runkey that is returned by the _RUN_AGENT_ method to retrieve the log and output from the agent run.

**init:**

```plaintext
station_c = loadclass('sashelp.connect.station.class');
station_i = instance(station_c);
```

```plaintext
collection = 'acollection';
call send(station_i, '_open', collection, rc);
```
agent_c = loadclass('sashelp.connect.agent');
agent_i = instance(agent_c);

domain = 'tcp://mynode.xyz.com/domsrv';
call send(agent_i, '_setDomainInfo', domain, collection, rc, '', station_i);

/* name of agent already defined at the */
/* domain server */
agentname = "reports";
description =
'Unscheduled run of thursday night agent';

/* location of where agent actually */
/* runs, which differs from domain name */
/* which specifies the DOMAIN server where */
/* the agent is defined */
runloc = 'tcp://mainnode.xyz.com/myserv';

/* valid userid and password for the system */
/* on which the agent actually runs (run */
/* location) */
security = 'userid.password';

runkey=0;
call send(agent_i, '_runAgent', agentname, runkey, rc, description, runloc, security);

if (rc eq 0 ) then do;
    model_c =
        loadclass('sashelp.connect.runspool.class');
    model_i = instance(model_c);

    /* retrieve agent log and output spool */
    /* using agent name and runkey that are */
    /* returned by run_agent method */
    call send(agent_i, '_retrieveAgentRunInfo',
        agentname, runkey, rundt, runcc, rc, model_i, model_i);

    /* now model_i can be used to display log */
    /* and output from agent run by attaching */
    /* to text viewer object */
end;

return;