



Standard Procurement System-Integration™
Paperless Data Exchange

Understanding SPS-I Log Files

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1. Introduction

Standard Procurement System – Integration (SPS-I) supports data exchange between Procurement Desktop - Defense (PD²) and other government systems such as CAPS, IAPS and STARS. SPS-I moves data between systems; it does not create any data. The software is designed to import data created by other applications into PD² and extract data created by PD² and place it into a file format that can be loaded into another government system.

There are three main components that are accessed during an interface execution: the IA machine, the Interface Database (IDB) and the PD² database.

- The **IA machine** houses the **Integration Agent (IA)** and the **Integration Manager (IM)**. The IA is the interface executable, which serves as the “engine” or “workhorse” that executes each interface. The IM is the graphical user interface (GUI) used to administer the interfaces. The IM allows SPS-I system administrators to specify and modify how interfaces are executed by editing the data stored in the IDB.
- The **IDB** is the database that contains all the rules that determine what data is to be input into or extracted from the PD² database.
- The **PD² database** is the database that serves as a repository for all government procurement data such as requisitions, awards, and modifications. The PD² database is the source or final destination during an interface execution.

When an interface runs, it accesses the IA machine, the IDB and the PD² Database one at a time and writes to a log when accessing each of these components. The purpose of this document is to show how these logs are created and how to locate these logs to assist in troubleshooting SPS-I issues.

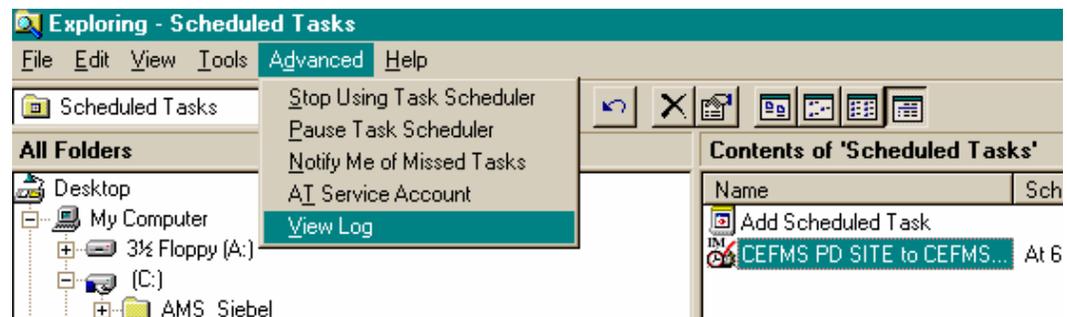
Each of the subsequent sections is presented in the order of the events that take place when the interface is executed. This coincides with the order in which the logs are created.

2. Schedule Log

SPS-I uses an Internet Explorer utility installed on the IA Machine called Task Scheduler to schedule interfaces and “kick off” the IA every time an interface is scheduled to run. Whenever Task Scheduler starts an interface, it writes to a log file named “schedlog.txt” which is also referred to as the **schedule log**.

2.1 How to find the schedule log

The schedule log is typically found in the C:\WINNT directory. It can also be viewed in Notepad by opening the Scheduled Tasks folder in NT Explorer and selecting **Advanced** → **View Log** from the menu bar.



2.2 Reading the schedule log

If Task Scheduler does not encounter any problems launching SPS-I, then the interface will continue with its execution and the schedule log entry will appear as follows:

```
"PD2 SITE to CAPS Outgoing.job" (spsi.exe)
    Started 4/5/01 4:00:00 PM
"PD2 SITE to CAPS Outgoing.job" (spsi.exe)
    Finished 4/5/01 4:00:04 PM
    Result: The task completed with an exit code of (048301).
[ ***** Most recent entry is above this line ***** ]
```

If Task Scheduler has a problem launching the SPS-I application, an error appears in the schedule log and no other logs are generated.

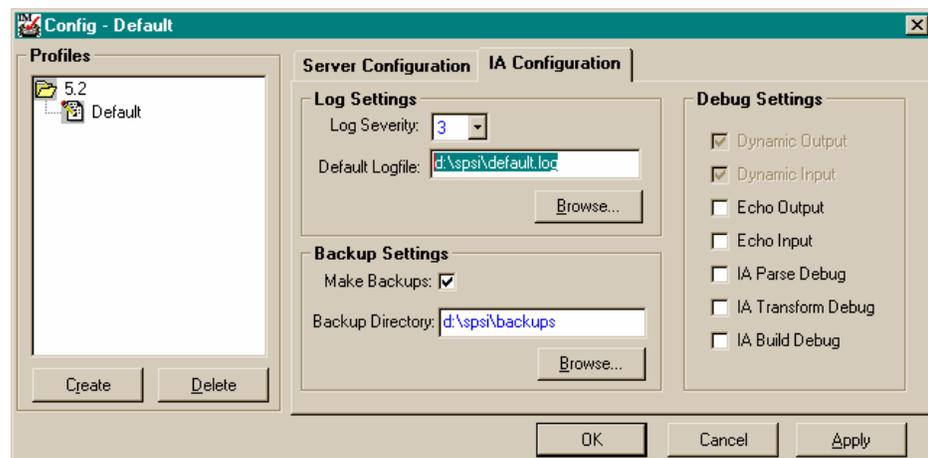
3. Default Log

Once SPS-I starts, it must first connect to the IDB. The IDB contains all of the metadata required to run the interface. When SPS-I tries to connect to the IDB, it writes to a file named “default.log” which is also referred to as the **default log**.

3.1 How to find the default log

The location of the default log is assigned in the SPS-I profile configuration. Follow these steps to view the profile settings:

1. On the IA machine, select **Start → Programs → SPS-I → SPS-I Profiles**
2. When the **Config** window opens, select the appropriate profile
3. Go to the *IA Configuration* tab
4. The default log location is listed in the **Default Logfile** field as shown below:



3.2 Reading the default log

If SPS-I is unable to connect to the IDB and retrieve directory data, an error message is written to the default log and the interface stops execution. No other logs are created. If connectivity is established and SPS-I is able to retrieve directory data, SPS-I will continue executing the interface and the default log entry will appear as shown below:

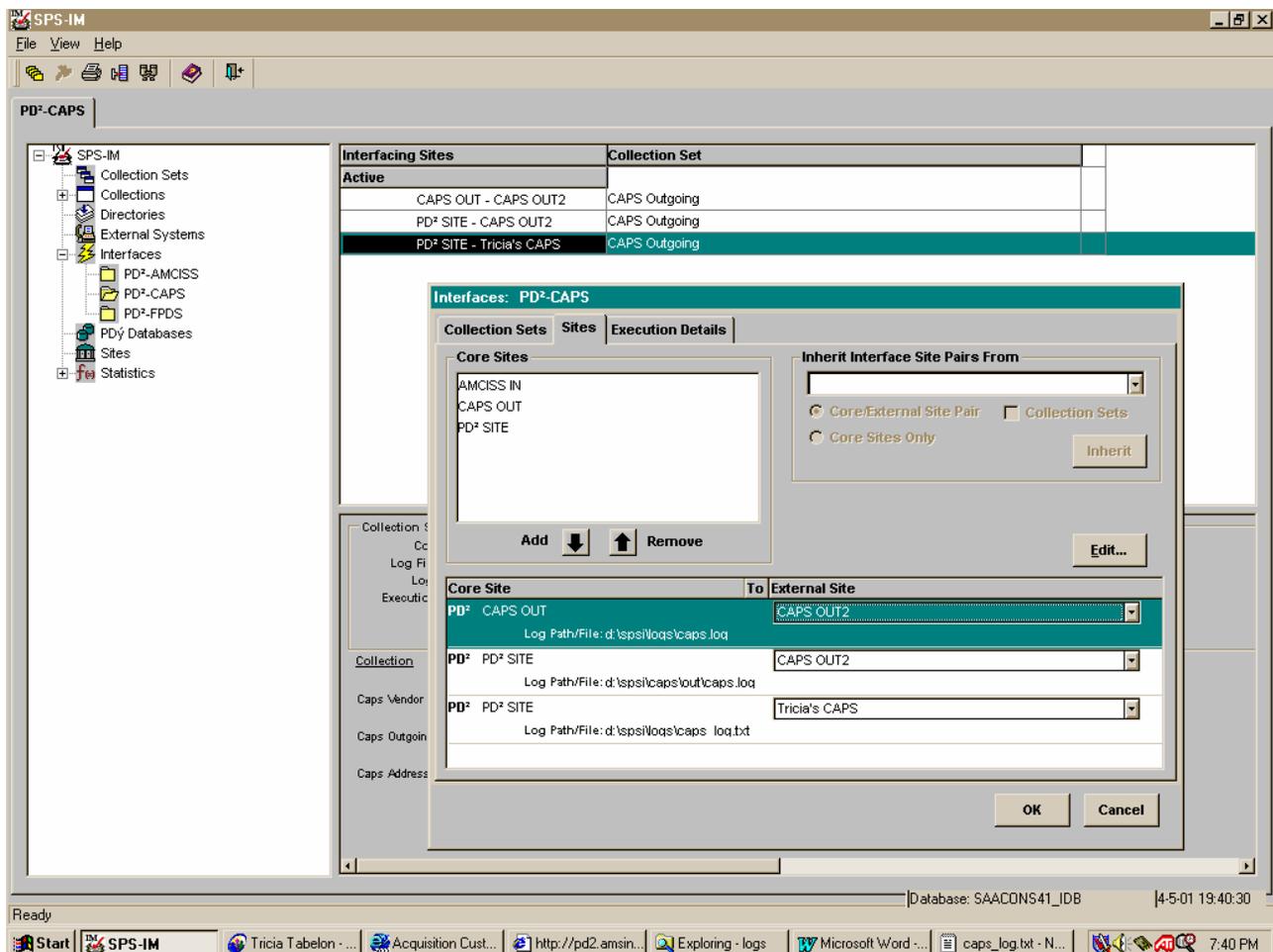
```
[264-5283] 4/4/01 16:03:39 Connected to IDB. Server: POORE-  
SERVER Database: SAACONS41_IDB Version: 5.2  
[264-5283] 4/4/01 16:03:39 I-500 Task Set (3,6504,8,6) found in IDB.  
[264-5283] 4/4/01 16:03:39 I-507 Directory data retrieved from IDB...
```

4. Interface Log

SPS-I connects to the PD² database to insert data into the database, extract data from the database and/or execute stored procedures that are used by SPS-I. If SPS-I launches successfully and connects to the IDB, then it begins writing to the interface execution log for the specific interface that is being executed. A site, for instance, can run the CAPS, FPDS and AMCISS interfaces and each interface writes to its own log. The log file names and locations vary according to each site's setup in the Interface Manager.

4.1 How to find the interface execution log

1. From the Interface Manager select the Interfaces folder
2. Highlight the site pair, right click on it and select **[Edit]**
3. Go to the *Sites* tab
4. Each site pair has its log file location listed in the bottom section of the window after **Log Path/File**



4.2 Reading the interface execution log

Informational, warning, rejection and error messages are written to the interface execution log. A sample interface execution log appears below.

[264-5283]	4/4/01 16:03:40		Connected to IDB. Server: POORE-SERVER
			Database: SAACONS41_IDB Version: 5.2
[264-5283]	4/4/01 16:03:40		Executing... Interface: CAPS - PD ² / Taskset: CAPS
			Outgoing / External site: Tricia's CAPS / Core site: PD ² SITE
[264-5283]	4/4/01 16:03:40	I-500	Task Set (3,6504,8,6) found in IDB.
[264-5283]	4/4/01 16:03:40	I-507	Directory data retrieved from IDB...
[264-5283]	4/4/01 16:03:40	I-519	Open of log file (d:\spsi\logs\caps_log.txt) succeeded...
[264-5283]	4/4/01 16:03:40	I-505	Runtime data initialized...
[264-5283]	4/4/01 16:03:40	I-506	Connected to core site database server(AMS_SECURE).
[264-5283]	4/4/01 16:03:41	I-501	4 collection(s) will be executed for this collection set.
[264-5283]	4/4/01 16:03:41	I-503	Starting to process Caps Consolidated Collection PO,PL,VN,AD...
[264-5283]	4/4/01 16:03:49	I-502	Metadata for 102 element(s) retrieved from IDB.
[264-5283]	4/4/01 16:03:49	I-508	Output dataset created...
[264-5283]	4/4/01 16:03:49	I-528	Starting data extraction processing
[264-5283]	4/4/01 16:03:49	I-503	Starting to process SyntaxFromSQL.....
[264-5283]	4/4/01 16:03:50	I-620	Executing stored procedure " ap_spsi_get_all_caps_data 'TRICIA', '2/1/01 15:59:00', 'LEGATO', '4/4/01 15:53:42', 'EXECMODE'".
[264-5283]	4/4/01 16:03:56	I-504	0 database input records retrieved for collection.
[264-5283]	4/4/01 16:03:57	I-522	No data retrieved for collection. IA will skip collection.
[264-5283]	4/4/01 16:03:57	I-529	Data extraction processing complete
[264-5283]	4/4/01 16:03:57	I-503	Starting to process Caps Address File...
[264-5283]	4/4/01 16:03:57	E-526	Encountered an error in primary-secondary detail gathering. Details: Caps Address File execution aborted because master received no input data.
[264-5283]	4/4/01 16:03:57	I-503	Starting to process Caps Vendor File...
[264-5283]	4/4/01 16:03:57	E-526	Encountered an error in primary-secondary detail gathering. Details: Caps Vendor File execution aborted because master received no input data.
[264-5283]	4/4/01 16:03:58	I-503	Starting to process Caps Outgoing Statistics File...
[264-5283]	4/4/01 16:03:58	E-526	Encountered an error in primary-secondary detail gathering. Details: Caps Outgoing Statistics File failed to execute because its master has not executed yet.
[264-5283]	4/4/01 16:03:58		INFORMATIONAL MESSAGE: No output file generated so nothing to backup.
[264-5283]	4/4/01 16:03:58		INFORMATIONAL MESSAGE: No output file generated so nothing to backup.
[264-5283]	4/4/01 16:03:58	I-900	Disconnect from core site database server (AMS_SECURE).
[264-5283]	4/4/01 16:03:58	I-999	IA shut down...

Messages in the interface execution log start with a code. Informational message codes start with an “I”. Warning message codes start with a “W”. Rejection message codes start with an “R”. Rejection messages occur when the data does not meet the criteria for data extraction or input and the data cannot be processed. Error message codes start with an “E”. A list of interface execution log rejection and error messages is available in Appendix D of the SPS-I User’s Guide, which may be accessed through Interface Manager by selecting **Help → Help Topics** from the menu bar.