

Quick Reference: Senior Systems Exporter

The Senior Systems Exporter application enables you to export data from your Senior Systems database into a text or CSV (comma separated value) format. The Senior Systems Exporter application can be scheduled to run at a given intervals using the <u>Windows Task Scheduler</u>.

Senior Systems will provide you with a Senior Systems Exporter .zip file that contains the following files, which are described in further detail below:

- ApplicationLog_2013_10_16.log
- Devart.Data.dll
- Devart.Data.Oracle.Design.dll
- Devart.Data.Oracle.dll
- Devart.Data.Oracle.Vs.dll
- Devart.Data.Oracle.Web.dll
- 🔮 Devart.Data.Oracle.xml
- 🔮 Devart.Data.xml
- SeniorSystemsExporter.exe
- SeniorSystemsExporter.ini
- Thumbs.db

SSE File	Description				
SeniorSystemsExporter.ini	This file needs to be modified by your school so that the correct				
	operations are performed. To review instructions for modifying this				
	file, see step #2 in the <u>To use the Senior Systems Exporter tool</u> topic				
	below.				
ApplicationLog_xxx_xx_xx.log	This file contains any error messages that are generated when the				
	Exporter tool is run.				
SeniorSystemsExporter.exe	This file executes the Senior Systems Exporter operation.				
xxx.sql	This file contains the code which will generate your .csv or .txt file.				
xxx.csv and xxx.txt	These are the output files that are generated from running the				
	Exporter tool. You can either output files as .csy or .txt.				



To use the Senior Systems Exporter tool:

- Extract all of the files contained within the Senior Systems Exporter .zip file into a local or network directory on your machine. The Exporter tool must be installed on a workstation that is running a Senior Systems client.
- It is recommended that you create a new username and password to use for running the exporter tool and give that user the appropriate Senior Systems applications, such as Registrar, Admissions, etc. This can be done in the Systems Administration module.
- 3. Open the **SeniorSystemsExporter.ini** file.

This file is separated into various sections that are described in the table below. You will see **Database**, **Mail**, **FTP**, and **ExportX** sections. You will need to set several parameters in these sections in order to correctly generate an .sql file.

🧾 SeniorSystemsExporter.ini - Notepad	J
File Edit Format View Help]
[Database] Server =seniordb Schema =seniordb User =seniordb Password =seniordb SID =SSqa	
[Mail] Server =10.1.1.1 Port =25 NotifyOnSuccess =true SubjectError =The export was executed with errors SubjectSucces =The export was executed succesfully From =test@senior-systems.com To =notify@ss.com User =user Password =password	
[FTP] ;UploadToFTP =ftp://user:password@ftp.senior-systems.com:9922	
[Export0] QueryFile =student.sql ExportFile =student.csv Delimiter =, IncludeHeader =true AddQuotes =true	
[Export1] QueryFile =faculty.sql ExportFile =faculty.csv Delimiter =, IncludeHeader =false AddQuotes =true	



Sections of	Description				
SeniorSystemsExporter.ini					
Database	The Database section is used to set the database connectivity				
	information.				
Server	Enter the Oracle database server. This is the physical machine				
	name of your server. To locate the physical machine name, open the tnsnames.ora file, which is typically found in C:\Centura on your workstation. Locate the information that is displayed below:				
	🔲 tnsnames.ora - Notepad				
	File Edit Format View Help				
	<pre># tnsnames.ora Network Configuration File: C:\oracle\product \10.2.0\client_1\network\admin\tnsnames.ora # Generated by Oracle configuration tools.</pre>				
	DEVDB = (DESCRIPTION = (ADDRESS_LIST = (ADDRESS = (PROTOCOL = TCP)(HOST = XXXXXX01)(PORT = 1521)) (CONNECT_DATA = (CONNECT_DATA = Devalb)				
	(SERVICE_NAME = Devdb)				
Schema	Enter the schema name.				
User/Password	Enter the username and password that you created for this task.				
SID	Enter the Service Identifier Name. To locate the Service Identifier				
	C:\Centura on your workstation. Locate the information that is				
	displayed below:				
	SENIORDB =				
	(ADDRESS_LIST =				
	(PORT = 1521))				
	(CONNECT_DATA =				
	(SERVICE_NAME = SENIORDB)				
	Service Identifier				



Mail	The Mail section is used to set the status email options. If information in the Mail section is properly configured, the specified user(s) will receive an email notification upon successful completion of the operation or receive an email containing relevant error messages if the operation fails. NOTE : By default, the Mail section is commented out with				
	semicolons (;).				
Server	Enter your email server IP address or Host Name.				
Port	Enter your Port number. This is typically Port 25.				
NotifyonSuccess	Enter True to have an email sent upon successful completion of an export, or have an email sent notifying a user that the export has not completed successfully. Enter False to no email sent.				
SubjectError	If you have specified to have an email sent by entering True for the NotifyonSuccess option, enter the text that the user will receive if the export has not completed successfully.				
SubjectSuccess	If you have specified to have an email sent by entering True for the NotifyonSuccess option, enter the text that the user will receive if the export has completed successfully.				
То	Enter the email address(es) of users who should receive emails after an export.				
User/Password	Enter a username and password of an account that is able to connect to your mail server for delivery of the e-mail notification.				
FTP	The FTP section specifies a location to which you will FTP files. NOTE : By default, the FTP section is commented out with semicolons (;).				
UploadToFTP	If this parameter is present, the export files will be uploaded to this FTP site. If the files are already present, an error will occur. The FTP username and password should be embedded into the FTP's URL. NOTE : For an example of the FTP code, see the image that is displayed in <u>Step 3</u> .				
ExportX	The ExportX section specifies the location where the .sql file will be generated, whether the file should be .csv or .txt, whether a header should appear, whether a delimiter should appear between information, and whether records should be embedded in quotes. Every .sql file should have a corresponding ExportX section, if the .sql file needs to be converted. The first Export will start with Export0 and continue sequentially as is shown in Step 3.				
QueryFile	Enter the name of the SQL file provided. Example : student.sql If you want to have the file pull from a different directory, enter the following path before the file name. Example : c:\scripts\student.sql				



ExportFile	Enter the name of the file provided that should be generated by				
	the export				
	Example: student.txt or student.csv.				
	If you want to have the export file be sent to a different directory,				
	please enter this path before the file name.				
	Example: c:\export\student.txt				
Delimiter	Enter a character to be used as a delimiter between columns,				
	such as ^, or Any character can be specified as a delimiter.				
IncludeHeader	Enter True of False to specify whether or not to include a header				
	row in the export file.				
AddQuotes	Enter True or False to specify whether or not records should be				
	embedded in quotes.				

4. Once you have properly set up all areas of the **SeniorSystemsExporter.ini** file, you can click the **SeniorSystemsExporter.exe** to execute the build process.

If you have specified email address(es) to receive completion and failure notifications, these email address(es) receive the specified notification.

If the process fails, an error message is generated in the **ApplicationLog_XXXX_XX_XX.log** file. Common error messages that you may receive are listed in the <u>Error Message table</u>.

If you have specified FTP information, the files will be uploaded to the FTP site and an email will be sent if this option was set in the **SeniorSystemsExporter.ini** file.

Error Message	Description		
Error processing Export0:ORA-12545: Connect	The host name that you have entered is not		
failed because target host or object does not exist	correct. Enter a correct host name.		
<host =="" ssqa612:1521=""></host>			
Error processing Export0:The file student1.sql was	The .sql file referenced in the .ini file was not		
not found.	found. Check to ensure that the .sql file referenced		
SeniorSystemsExporter at	in the .ini file exists and ensure that it is named		
SeniorSystemsExporter.Program.Main(String[]	correctly.		
args)			
Error processing Export0:ORA-00923: FROM	The .sql file contains incorrect SQL coding.		
keyword not found where expected			



Setting up Task Scheduler to work with the Senior Systems Exporter:

You can set up the Task Scheduler to periodically run the Senior Systems Exporter tool at set intervals.

- In order to create a task, you must first create a batch file that will run the SeniorSystemsExporter.exe. Once the batch file is established, you can set up the Task Scheduler.
- 2. Click the Start menu > All Programs > Accessories > System Tools > Task Scheduler.
- 3. Click Create Task...

File Action View Help	Task Scheduler		
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- 4. On the Create Task window, there are several steps you will need to perform to create the task.
 - A. On the **General** tab, enter the name of the task in the **Name** field.

🖻 Create Task	
General Triggers Actions Cond	litions Settings
Name:	
Location: \	
Author: SENIOR-SYSTEMS	ADMIN
Description:	
Security options	
When running the task, use the f	ollowing user account:
Run only when user is logged	change oser of oroup
Run whether user is logged or	or not
Do not store password. T Run with highest privileges	he task will only have access to local computer resources.
Hidden Configure for:	Windows Vista [™] , Windows Server [™] 2008
	OK Cancel



B. On the **Triggers** tab, click the **New...** button and enter the time at which you want the Task Scheduler to run the task:

New Trigger	×
Begin the task: On a schedule	
 One time Start: 10/29/2013 ■▼ 9:00:00 AM 🚔 🗆 Synchronize across time zon Daily Weekly Recur every: 1 days 	es
Monthly	
Advanced settings	
Delay task for up to (random delay): 1 hour Repeat task every: 1 hour for a duration of: 1 day Stop all running tasks at end of repetition duration	
Stop task if it runs longer than: 3 days Expire: 10/29/2014 3:14:42 PM Synchronize across time zones	
OK Can	el

C. On the **Actions** tab, click the **New...** button and browse to the location of the Exporter batch file (the Exporter batch file ends with "**.bat**").

New Action	×		
You must specify what action this task will perform.			
Action: Start a program	•		
Settings			
Program/script:			
25_Planning\Exporter\Exporter\SeniorSystemsExporter.bat Browse			
Add arguments (optional):			
Start in (optional):			
OK Cancel			



D. In the **Conditions** and **Settings** tabs, specify any necessary parameters that are required for your specific task, and then click the **OK** button.

Create Task	×
General Triggers Actions Conditions Settings	
Specify the conditions that, along with the trigger determine whether the task should run. The task will run if any condition specified here is in true. Idle	ll not
Stop if the computer switches to battery power	
Wake the computer to run this task Network Start only if the following network connection is available:	—
Any connection	-
ОК	ancel

E. You now see the Scheduler Task that you created in the Task Scheduler list.

Task Scheduler				_ _ X
File Action View Help				
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