

Doors Event File Export Program

The *Doors* Event File Export (EFE) program extracts information from *Doors*' internal databases and writes this information to a text file named **Events.txt**. This text file can then be read and used by an external application such as a Time and Attendance program or a database program.

EFE is a DOS program. It can be run as a stand-alone program or it can be run from within an application program (such as a Time and Attendance program). There are no windows or dialog boxes through which you enter operating parameters. All operating parameters are given to the program through a list of command line options. EFE does not interfere with the operation of *Doors*, so it can be run at any time.

NOTE: EFE requires that the Doors software revision be at 3.70 or greater to ensure Doors database compatibility with the EFE program. EFE is not compatible with earlier revisions of Doors.

NOTE: Every time EFE is run an Events.txt file is created and saved (unless you specify a unique name using the operating parameters). This means that the Events.txt file will be overwritten everytime the program is run. If you wish to save an existing Events.txt file, rename the file before running EFE.

1.0 Installation

To install EFE simply place the **Export.exe** file in to the same folder in which the **Doors32.exe** is stored. Typically this folder is **c:\kerisys\doors32_rev#** (where rev# is the revision of the *Doors* software installed on your system).

2.0 Operating Parameters

EFE has four operating parameters that allow you to either specify the output file path and name, or to filter event data. If no parameters are specified at run time, the program uses its default values.

NOTE: All time values are in the 24-hour clock format.

-o OutputFilePathName

- the path to the folder to which you want the result file sent and the file name to be assigned
- the default path and file name is **c:\kerisys\Doors32_rev#\Events.txt** (where rev# is the revision of the *Doors* software installed on your system).

-b BeginningDate BeginningTime

- the date from which the data should be taken in mm/dd/yyyy format
- the time from which the data should be taken in hh:mm:ss format
- the default beginning date is today's date – the default time is 00:00:00



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-e EndingDate EndingTime

- the date to which the data should be taken in mm/dd/yyyy format
- the time to which the data should be taken in hh:mm:ss format
- the default ending date is today's date – the default time is 23:59:59

-d DoorRelatedEventsOnly

- include only events that have door related information in the **Events.txt** file (See “List of Filtered Door Events” on page 8. for a list of included events)
- the default value is to not apply this option – all events are reported

3.0 Stand-alone Use

In stand-alone mode, EFE can be run in one of three ways.

- By double-clicking on the **Export.exe** file name using Windows™ Explorer and allowing the program to run using all default parameters.
- By opening an operating system DOS box and directly entering the program path, name, and operating parameters. This method gives you flexibility by allowing you to directly set the operating parameters just before running the program.
- By creating an operating system shortcut link that automatically opens the DOS box, runs the program with the selected operating parameters, and closes the DOS box. This method provides a degree of convenience by allowing you to set the operating parameters in the shortcut link once and then not have to change them again; they will always be applied.

3.1 Double-clicking on the File Name

By locating and double-clicking on the **Export.exe** file name via Windows Explorer, an **Events.txt** file will be created and placed in the same folder where the *Doors* program is loaded. All information given within the **Events.txt** file is listed per the default operating parameters (see “Operating Parameters” on page 1).

3.2 DOS Box

You can open the **Export.exe** program in a DOS box in one of two ways.

3.2.1 Run Command

1. From the Start Menu, open the Run command and browse to the **Export.exe** program.
2. Click on the file name and enter the **Export.exe** program name in the Run Field.
3. Scroll to the end of the program name and enter the desired operating parameters.
4. Click on the OK button when ready and the TXT file is generated.

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3.2.2 DOS Prompt

1. From the Start Menu, locate and click on the MS-DOS Prompt command.
2. At the prompt, change folders to the folder with the *Doors* and **Export.exe** programs.
3. At the prompt, type “Export” followed by the desired operating parameters.
4. Hit Enter when ready and the TXT file is generated.

3.3 Shortcut Link

1. Using Windows Explorer, locate the **Export.exe** file.
2. Right-click on the file name and select the Send To > Desktop option. A shortcut to the **Export.exe** program is created.
3. Right-click on the shortcut, then click on the Properties option.
4. Click on the Shortcut tab and locate the Target field.
5. Click in the field and scroll to the end of the Export.exe entry.
6. Enter the desired operating parameters, then click the OK button. The operating parameters are saved and will be applied every time you run the **Export.exe** program from the shortcut link.

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4.0 External Application Use

EFE can be run from within an application program (such as a Time & Attendance program). A programming example of how to incorporate EFE is provided.

```
void OnCreateReport()
{
    STARTUPINFO          start_info;
    PROCESS_INFORMATION  proc_info;
    DWORD                ExitCode;

    memset(&start_info,0,sizeof(start_info));
    memset(&proc_info,0,sizeof(proc_info));
    start_info.cb=sizeof(start_info);

    if(CreateProcess(NULL,"c:\\Where\\export.exe -o c:\\KeriDataExport\\Doors.txt
        -b 03/27/2001 09:30:12 -e 03/27/2001
        09:30:15",NULL,NULL,FALSE,CREATE_NO_WINDOW,NULL,
        "c:\\Where",&start_info,&proc_info) != 0)
    {
        WaitForSingleObject(proc_info.hProcess,INFINITE);
        GetExitCodeProcess(proc_info.hProcess,&ExitCode);
        if(ExitCode == 1)
            AfxMessageBox("Data Export Done.");
        else
            AfxMessageBox("Data Export Error.");

        CloseHandle(proc_info.hProcess);
        CloseHandle(proc_info.hThread);
    }
    else
    {
        AfxMessageBox("Data Export Error.");
    }
}
```

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4.1 Exit Code Definitions

An exit code is generated whenever an Events.txt file is processed. The following list defines the exit codes.

Table 1: Exit Codes

Code	Definition
1	success
2	TZ.DBF does not exist
3	failed to open TZ.DBF
4	ACGRP.DBF does not exist
5	failed to open ACGRP.DBF
6	CARD.DBF does not exist
7	failed to open CARD.DBF
8	C_GRP.DBF does not exist
9	failed to open C_GRP.DBF
10	C_OPT.DBF does not exist
11	failed to open C_OPT.DBF
12	CIO.DBF does not exist
13	failed to open CIO.DBF
14	NIO.DBF does not exist
15	failed to open NIO.DBF
16	D_ANC.DBF does not exist
17	failed to open D_ANC.DBF
18	CTLR.DBF does not exist
19	failed to open CTLR.DBF
20	D_GRP.DBF does not exist
21	failed to open D_GRP.DBF
22	DOOR.DBF does not exist
23	failed to open DOOR.DBF
24	SITE.DBF does not exist

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Table 1: Exit Codes

Code	Definition
25	failed to open SITE.DBF
26	Doors database directory error
27	MON.DBF does not exist
28	failed to open MON.DBF
29	ETPL.DBF does not exist
30	failed to open ETPL.DBF
31	MSG.S.DBF does not exist
32	failed to open MSG.S.DBF
33	required event file does not exist
34	failed to open required event file
35	EVTMGR.DBF does not exist
36	failed to open EVT.MGR.DBF
40	invalid search date
41	invalid search date
42	invalid search date
43	invalid search expression
44	error opening/writing text file
45	no matching records found

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5.0 Output TXT File Field Definitions

The information for each event listed in the output TXT file is given per the format in Table 2. The following rules apply.

- each field is TAB delimited
- all fields are left-aligned
- the number of characters per field is given in Table 2
- the total width of one record is 153 characters
- the individual field descriptions are given in Table 3

Table 2: Number of Characters per Field

Date	Time	Site	Door	CardNo	Cardholder Name	Access Group	Dept Group	Event Caption
10	8	15	20	10	20	15	15	32

Table 3: Field Descriptions

Field	Description
Date	The date the event occurred: e.g. 03/27/2001 for 27 March 2001.
Time	The time the event occurred: e.g. 12:09:37 for 12:09:37 P.M.
Site	<ul style="list-style-type: none">• If the event is not associated with a site, this field is blank.• If the event is site related but there is only 1 site, this field displays S001-Default.• If the event is site related and there are multiple sites, this field displays the site address: e.g. S002 or the site name (if one has been assigned): e.g. Keri Main Building.
Door	<ul style="list-style-type: none">• If the event is not door related, this field is blank.• If the event is door related, this field shows the door address: e.g. C001D1 or the door name (if one has been assigned): e.g. Front Door.
Card Number	If the event is not card related, this field is blank. If the event is card related, this field shows the card number (the external number) associated with this event.
Cardholder Name	<ul style="list-style-type: none">• If the event is not card related, this field is blank.• If the event is card related and the card number does not have a name assigned to it, this field is blank.• If the event is card related and the card number has a name assigned to it, this field shows the cardholder name: e.g. Jane Doe.

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Table 3: Field Descriptions

Field	Description
Access Group	<ul style="list-style-type: none">If the event is not card related, this field is blank.If the event is card related, the field shows the access group to which the cardholder is assigned.
Department Group	<ul style="list-style-type: none">If the event is not card related, this field is blank.If the event is card related, the field shows the department group to which the cardholder is assigned.
Event Caption	This field displays the message text string assigned to the event.

6.0 List of Filtered Door Events

If the -d operating parameter is called out (see “Operating Parameters” on page 1), the list of events stored by the *Doors* databases is filtered so that only the events listed in Table 4 are passed on to the output TXT file. As of *Doors* v3.70 there are 106 event messages – 62 are kept, 44 are filtered.

Table 4: Door Event List

Event Description
Unknown Event
Access Granted
Access Denied
Request to Exit
Dual Access Granted
Dual Access Denied
Unknown Key
Door Opened Too Long
Door Opened
Door Closed
Door Forced Open
Door Not Opened
Door Unlocked
Door Locked
Door Locked by Operator

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Table 4: Door Event List

Event Description
Door Unlocked by Operator
All Doors Unlocked
All Doors Locked
Controller Cold Reset
Controller Self Test Failed
Controller Warm Reset
Controller COM Failure
Input Point On
Input Point Off
Output Point On
Output Point Off
Controller Key DB Corrupt
Controller Event Threshold
Auto Lock Suspended
Auto Lock Restored
APB Violation
Panel Armed
Panel Disarmed
Interphone
Host COM Failed
Panel Tamper
Controller Internal Error
Controller Hand Reset
Operator Logged On
Operator Logged Off
Card File Changed
Controller/Door File Changed
Timezone Changed



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Table 4: Door Event List

Event Description
Timezone Deleted
Holiday List Changed
Access Group Changed
Access Group Deleted
Operator File Changed
Monitor File Changed
Monitor Started
Monitor Stopped
Operator Requested Collect
Card Report Created
Door Report Created
Event Report Created
Operator Locked Door
Operator Unlocked Door
Operator Pulsed Door
Net Connect Request
Connect Refused - Site
Global Secure Lock