

Viewing FE900 server events that have been archived

The following steps can be used to retrieve events that have been archived from an FE900 server. This process will backup the current database and then restore an archived database. The archived events from the Message Log can then be viewed. When completed the current database is then restored again.

Install the FE900 server on a separate PC:

A separate PC can be used to view old archived events. In this way, normal operation between the FE900 receiver and the FE900 server will not be affected.

The FE900 receiver and FE900 server communicate via an announce address. Having multiple FE900 servers on the same network with the same announce address is not a valid configuration. To overcome this conflict the server announce address is configurable. For this procedure it is required that the announce address of the FE900 server on the separate PC to be changed.

1. Install the FE900 server and client onto this separate PC as per normal.

To alter the server Announce Address:

2. Immediately after installing the server, stop the FE900 service by:
 - a. Click the Windows Start button, then click Run...
 - b. In the window that appear type: services.msc<enter>
 - c. From the Service window select "Inner Range FE900 Server"
 - d. Click "Stop"
3. The server announce address is specified in the file "C:\Program Files\Inner Range\FE900\SV900Service.exe.config".
4. It is required to edit this configuration file. To do this right-click on the file and select "Open". If Windows displays a list of programs to open the file with, select Notepad.
5. Locate the key called "Communications.AnnounceAddress" and alter the value (e.g. change the last number from 232.15.233.0 to 232.15.233.1).
6. Save and then close the file.

Restoring the Old Database:

In order to view the events that have been archived from the “real” FE900 server’s database the archive file needs to be restored over the top of the separate PC’s FE900 server database. This is why the separate PC is required for this process, because all of the data that is in the database that is being used will be deleted. Using the separate PC will ensure that normal operation between the FE900 receiver and the FE900 server will not be affected.

Before the archived database file can be restored onto the separate PC, the archive file needs to be copied from the FE900 server onto the separate PC. Note that you must select the appropriate .bak file depending on the time period you wish to view and the file path in which it is stored. This example shows a backup file stored by the server for the week starting on 15-Feb-2009.

1. Copy the archive file from the FE900 server to the separate PC:
 - a. Using the Windows Explorer, navigate to:
C:\Program Files\Inner Range\FE900\Data\Backup\20090215
 - b. Copy the file ‘SV900Full.bak’ and paste it in a directory on the separate PC
e.g. 'C:\temp'
2. Using the separate PC open the command prompt by:
 - a. Click the Windows Start button, then click Run...
 - b. In the window that appear type: cmd<enter>
3. Go to the SQL command line by:
 - a. In the command prompt type:
osql -E<enter>
4. To restore the archived database:
At the "1>" prompt, type:
restore database SV900 from disk = 'C:\temp\SV900Full.bak'<enter>
2> go<enter>
1> exit<enter>
5. Restart the FE900 server service by:
 - a. Click the Windows Start button, then click Run...
 - b. In the window that appear type: services.msc<enter>
 - c. From the Service window select "Inner Range FE900 Server"
 - d. Click "Start"
6. Use the FE900 client as per normal. Use the Event Log to view the events that were archived from the FE900 server database. Note: The FE900 receiver(s) will not connect to FE900 server on the separate PC because the two are using different announce addresses.
7. When finished viewing the events close FE900 Client.