



Answer Details

How do you change the IP address used by MIMIX?

Answer ID 150

Applicable Products

MIMIX DR 8.0, 7.1
 MIMIX Enterprise 8.0, 7.1, 7.0, 6.0, 5.0, 4.4
 MIMIX Global 8.0, 7.1, 7.0
 MIMIX Professional 8.0, 7.1, 7.0, 6.0, 5.0, 4.4

Description

Symptoms:

I need to change the IP address that identifies the source and/or target systems used by MIMIX.

Environment:

Actions Taken:

Answer

The following solution assumes an autostart job entry has been added to automatically start the PORTxxxxx job when the MIMIXQGPL/MIMIXSBS subsystem is started. For information on setting this up refer to [Answer 581](#).

1. Preparation

- 1.1. Ensure that the underlying TCP/IP Configurations are working (that is, each system can at least PING the other).
- 1.2. ENDMMX *IMMED ENDRJLNK(*YES)
- 1.3. End the MIMIXSBS subsystem on all systems: ENDSBS MIMIXSBS *IMMED

2. Change the IP address in the MIMIX configuration

Access the *MGT system to make the configuration changes.

Determine the procedure to use, to change the IP address, depending on how the systems are defined in the MIMIX Transfer definition:

2.1. Indirectly by hostname

If you are using a host name in the Transfer Definition (Figure 1), then your network support staff will need to change the host table entry, or the entry in the Domain Server that is being used to reflect the new IP address. After the host table entry has been changed, Ping both host names from both systems and verify that the correct IP addresses are returned: PING <hostname>

Display Transfer Definition

```
System: SYSTEM2
Transfer definition:
Name . . . . . : PRIMARY
System 1 . . . . . : SYSTEM1
System 2 . . . . . : SYSTEM2
Transfer Protocol . . . . . : *TCP
System 1 host name or address: SYSTEM1
System 2 host name or address: SYSTEM2
System 1 port number or alias: 50410
```

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System 2 port number or alias: 50410

Figure 1

2.2. Directly by IP address

If you are using an IP address in the Transfer Definition (Figure 2) then you need to change the MIMIX transfer definition and the PORT auto start job entry in the MIMIX subsystem.

Display Transfer Definition

```
System: SYSTEM2
Transfer definition:
Name . . . . . : PRIMARY
System 1 . . . . . : SYSTEM1
System 2 . . . . . : SYSTEM2
Transfer Protocol . . . . . : *TCP
System 1 host name or address: 192.168.10.15
System 2 host name or address: 192.168.10.16
System 1 port number or alias: 50410
System 2 port number or alias: 50410
```

Figure 2

2.2.1. Change the IP address

CHGTFRDFN TFRDFN(<primary> <sys1> <sys2>) HOST1('<a.b.c.d>') HOST2('<w.x.y.z>')

where <a.b.c.d> and <w.x.y.z> are the new IP Addresses, and <primary>, <sys1> and <sys2> are the values from the Transfer Definition.

2.2.2. Change the server job

MIMIX communication is established through the MIMIX TCP server, (commonly known as the port job). The IP address defined in the Transfer Definition must match the IP address that the server is started for.

NOTE: At MIMIX V5 and above, changing the Transfer Definition will update the PORTxxxxx job description automatically, so no change may be necessary. Verify and update the job description as follows.

If the start of the server jobs is done by a procedure, then change that procedure to use the new IP address.

To change the Job Description that is defined in that Autostart Job entry to use the new IP address, perform the following steps:

- a. Determine the JOBID used for the PORTxxxxx job autostart job entry. Do this on both systems:
 - i. DSPSBS SBSD(MIMIXQGPL/MIMIXSBS)
 - ii. select option 3. AUTOSTART JOB ENTRIES
 - iii. Look for the PORTxxxxx job and note the job description and library, for example:

```
JOB      JOB DESCRIPTION  LIBRARY
PORTxxxx <jobname>      <libname>
```

Use this <jobname> and <libname> in the next step.

- b. Do the following on both systems:
 - i. Enter WRKJOBID <libname>/<jobname>
 - ii. Select Option 2 next to the JOBID
 - iii. Press F10 and page down once
 - iv. Change the IP Address in the REQUEST DATA OR COMMAND field to the new IP Address

3. Start MIMIX with the new IP address

The new address must be available before MIMIX is started with the new configuration values!

3.1. Start the MIMIX subsystems on all systems: STRSBS MIMIXQGPL/MIMIXSBS

Check the address that the server job is started for.

- 3.2. Start the System Manager and check if the updated Transfer Definition is sent across to the *NET system/s.
- 3.3. On all systems, issue the WRKTFRDFN command to display Transfer Definitions. Use option 11 against all Transfer Definitions that refer to the system whose IP address was changed, to verify the communication link.
- 3.4. On all systems, issue the WRKSYSDFN command to display the System Definition. Use option 11 against the System Definition to verify the communication link.
- 3.5. Start MIMIX using STRMMX or your start up procedures.

Workaround:**Additional Information:**

If you are using a host name in the Transfer Definition and you want to change the TCP host name used by MIMIX contact Vision Solutions CustomerCare.

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