



Welcome Kevin O'Connor

Answer Details

Which communication ports are used by MIMIX ?

Answer ID 3294

Applicable Products

MIMIX DR 8.0, 7.1
 MIMIX Enterprise 8.0, 7.1, 7.0, 6.0, 5.0, 4.4
 MIMIX for PowerHA 8.0
 MIMIX Global 8.0, 7.1, 7.0, 6.0
 MIMIX Professional 8.0, 7.1, 7.0, 6.0, 5.0, 4.4
 Vision Solutions Portal 3.0, 2.0, 1.0

Description

Symptoms:

We moved a machine and made network changes and now communications will not work. I believe it may be blocked by firewall but want to be sure only needs the one port 50410 for MIMIX traffic.

If the MIMIX port in the transfer definition is 50410, what is the range of ports that MIMIX could potentially try to use?

Environment:

Actions Taken:

Answer

Ports used by MIMIX:

Product/Function	Process	Default	Defined by
MIMIX Installation	All Except as noted	50410	Transfer Definition
	CMPFILDTA	50411 *	Transfer Definition
Installation Wizard		54321	See ** Below
Availability Manager		8410	CHGMMXAM/CRTMMXAM
		8411	
		8412	
Vision Solutions Portal (VSP)		8410	VSI001LIB/CHGVSVSVR
		8411	
		8412	

* In addition to the MIMIX port in the TFRDFN (50410 by default), CMPFILDTA command (or #FILDTA audit) could potentially try to use 50411 and above. It tries TFRDFN + 1. If that is busy, it keeps adding 1 and trying until it finds a free one.

** Port 54321 is used initially. If Port 54321 is blocked by a firewall or otherwise unavailable, the user is prompted to enter another Port Number.

For firewalls, the user must open as many ports above the TFRDFN as they think they will ever have simultaneous

CMPFILDTA jobs (or #FILDTA audits) running. The total number of ports used by the remote application is 1 (Once a free port above 50410 is found, that same port will be used for all the threads used by that particular CMPFILDTA job). The remote instance will still use random ports in making the connections for the multiple threads, but this has no impact on functioning with a firewall. CMPFILDTA can use up to 100 thread groups, if the user requests.

Additionally, there are several other ports are assigned/used by the IBM Toolbox for Java. They are as follows:

- 446 DRDA
- 3777 Remote Journaling
- 8470 as-central
- 8471 as-database
- 8472 as-dtaq
- 8473 as-file
- 8475 as-rmtcmd
- 8476 as-signon

Here is a link to the IBM website that shows the port numbers their Toolbox for Java uses: <http://www-03.ibm.com/systems/i/software/toolbox/fagports.html>.

Workaround:

Additional Information:

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