

Inner RMI traffic

Analysis of the inner RMI traffic allows you to control interaction between the Core and WCS Manager assuming this interaction is not turned off for the sake of performance increase by the `disable_manager_rmi=true` option in the [flashphoner.properties](#) settings file. Use the 'rmi' filter in Wireshark or filter by ports 'tcp.port==1098 || tcp.port==1099':

The image shows a Wireshark packet capture of RMI traffic. The filter bar at the top is set to 'rmi'. The packet list shows several RMI messages between 95.191.131.64. The selected packet (No. 25830) is a 'JRMICall' message. The packet details pane shows the structure of the message, including the 'JRMICall' header and the 'JRMICallBody' section. The packet bytes pane shows the raw data of the message, which is a Java RMI call.

No.	Time	Source	Destination	Protocol	Length	Info
1188	10.290428	95.191.131.64	95.191.131.64	RMI	355	JRMICall, ReturnData
25825	109.959065	95.191.131.64	95.191.131.64	RMI	75	JRMICall, Version: 2, StreamProtocol
25827	109.959670	95.191.131.64	95.191.131.64	RMI	88	JRMICall, ProtocolAck
25829	109.959751	95.191.131.64	95.191.131.64	RMI	93	Continuation
25830	109.959951	95.191.131.64	95.191.131.64	RMI	1564	JRMICall, Call
25863	110.095860	95.191.131.64	95.191.131.64	RMI	7972	JRMICall, ReturnData
25864	110.095904	95.191.131.64	95.191.131.64	RMI	8260	Continuation
25865	110.095929	95.191.131.64	95.191.131.64	RMI	8260	Continuation
25873	110.097156	95.191.131.64	95.191.131.64	RMI	8083	Continuation
25874	110.097183	95.191.131.64	95.191.131.64	RMI	8260	Continuation

Frame 25830: 1564 bytes on wire (12512 bits), 1564 bytes captured (12512 bits) on interface eth0
Linux cooked capture
Internet Protocol Version 4, Src: 95.191.131.64, Dst: 95.191.131.64
Transmission Control Protocol, Src Port: 34102, Dst Port: 1099, Seq: 33, Ack: 21, Len: 1496
Java RMI
Java Serialization

0000 00 00 03 04 00 06 00 00 00 00 00 00 00 00 00
0010 45 00 06 0c 03 ae 00 00 40 06 6b 3f 5f bf 83 40 E.....@. @.k?_..@
0020 5f bf 83 40 85 36 04 4b 04 66 f2 88 a2 8e 5f b3 _..@.G.K .f.....
0030 80 18 01 56 cb fd 00 00 01 01 08 0a c8 43 f1 d1 ..V.....C.
0040 c8 43 f1 d1 50 ac ed 00 05 77 22 f0 cd 17 de 7a .C.P....w"....z
0050 09 3e fc 62 78 9f eb 00 00 01 63 6d ab 03 e3 80 .>.bx... .cm....
0060 02 ff ff ff ff cd 05 56 37 d5 2e c7 94 73 72 00V 7...sr.
0070 37 63 6f 6d 2e 66 6c 61 73 68 70 68 6f 6e 65 72 7com fla shphoner
0080 2e 73 65 72 76 65 72 2e 63 6f 6d 6d 6f 6e 73 2e .server. commons.
0090 72 6d 69 2e 64 61 74 61 2e 69 6d 70 6c 2e 43 6f rmi.data .impl.Co
00a0 6e 6e 65 63 74 69 6f 6e 87 2f e4 59 4f b5 c4 1b nnection ./YO...
00b0 02 00 1b 5a 00 09 6b 65 65 70 41 6c 69 76 65 4c ...Z..ke epAliveI
00c0 00 10 61 70 70 43 61 6c 6c 62 61 63 6b 43 6c 61 ..appCal lbackCla