

Instructions

This worksheet provides a template for persons wishing to test and compare the performance of DEI software in a variety of environments. It provides a checklist of information which should be recorded about the network environment and the software being tested. This information is essential for interpreting the results and, if necessary, for performing troubleshooting.

The worksheet consists of two parts: a Cover Page and a Log Page. The Cover Page is used to describe the test environment, while the Log Page can be duplicated to record test results. Use a separate worksheet for each pair of machines being tested.

Cover Page

The person conducting the tests should provide contact information at the top of the page, in case there are questions about the testing.

Next, describe the hardware, software, and network environment for each of the two hosts where DEI software is being operated. It is vital that this information be complete, accurate, and that it not change during the course of testing. If any element does change, complete a new Cover Page and start a new set of Log Pages.

The Sending Host is the machine where data will be originating, while the Receiving Host is the machine where data will be arriving. If you will be conducting tests in both directions (as is recommended) use separate worksheets for each. For numerical data, please use the units specified. This helps to ensure accurate comparisons.

If you are also testing other methods (FTP, sFTP, HTTP, etc.), identify them in the "Alternative" rows and check the appropriate boxes for each test on the Log Page.

Log Page

At the top of each Log Page, be sure to identify the name of the person testing and the hosts being tested, so that the Log Page can be matched to the appropriate Cover Page in case they become separated. Use a separate row to record each test.

If possible, record the network latency both before and during the test. This is the "ping time" between the sender and the receiver. Do not use latency data from your ISP or separate monitoring hardware, as that may not be accurate. Ideally, you should use enough data so that each test lasts at least several minutes. The "Latency During" should be measured at least one minute after the test starts and at least one minute before the test ends.

Record the amount of data that successfully transferred and calculate the speed. Remember that a megabyte is 1,048,576 bytes, but a megabit is 1,000,000 bits. So speed will equal Transfer in megabytes, times 1048576, times 8, divided by 1000000, divided by Duration in seconds; or $Speed = (Transfer * 8.388608) / Duration$.

Person Testing

Organization	License Type <input type="checkbox"/> Trial <input type="checkbox"/> Customer <input type="checkbox"/> Reseller
Name	Title
Phone Number	Email Address

Test Environment

	Sending Host	Receiving Host
Location (Name, City, Country)		
Platform Type (Check One)	<input type="checkbox"/> Windows <input type="checkbox"/> Linux <input type="checkbox"/> Mac OS X <input type="checkbox"/> NetBSD <input type="checkbox"/> Solaris Sparc <input type="checkbox"/> Solaris x86 <input type="checkbox"/> FreeBSD <input type="checkbox"/> Irix <input type="checkbox"/> HP-UX <input type="checkbox"/> AIX	<input type="checkbox"/> Windows <input type="checkbox"/> Linux <input type="checkbox"/> Mac OS X <input type="checkbox"/> NetBSD <input type="checkbox"/> Solaris Sparc <input type="checkbox"/> Solaris x86 <input type="checkbox"/> FreeBSD <input type="checkbox"/> Irix <input type="checkbox"/> HP-UX <input type="checkbox"/> AIX
Operating System Version		
Link Provider (Telecom, ISP, or Host)		
Incoming Link Bandwidth (megabits per second)		
Outgoing Link Bandwidth (megabits per second)		
Network Devices (Check All That Apply)	<input type="checkbox"/> Software Firewall <input type="checkbox"/> Hardware Firewall <input type="checkbox"/> Network Address Translation <input type="checkbox"/> Virtual Private Network <input type="checkbox"/> Bandwidth Management <input type="checkbox"/> Optimization Appliance	<input type="checkbox"/> Software Firewall <input type="checkbox"/> Hardware Firewall <input type="checkbox"/> Network Address Translation <input type="checkbox"/> Virtual Private Network <input type="checkbox"/> Bandwidth Management <input type="checkbox"/> Optimization Appliance
Did you explicitly open the UDP ports on ALL of these devices?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
DEI Software Tested (Check One)	<input type="checkbox"/> movedat <input type="checkbox"/> MTPexpedit <input type="checkbox"/> syncdat <input type="checkbox"/> servedat <input type="checkbox"/> hgclient <input type="checkbox"/> hgserver <input type="checkbox"/> lclient <input type="checkbox"/> lserve	<input type="checkbox"/> movedat <input type="checkbox"/> MTPexpedit <input type="checkbox"/> syncdat <input type="checkbox"/> servedat <input type="checkbox"/> hgclient <input type="checkbox"/> hgserver <input type="checkbox"/> lclient <input type="checkbox"/> lserve
Package Version (Fill in the Blanks)	_ . _ - _	_ . _ - _
Component Version (Fill in the Blanks)	_ . _ . _	_ . _ . _
Alternate Software X (Brand and Product)		
Alternate Software Y (Brand and Product)		

