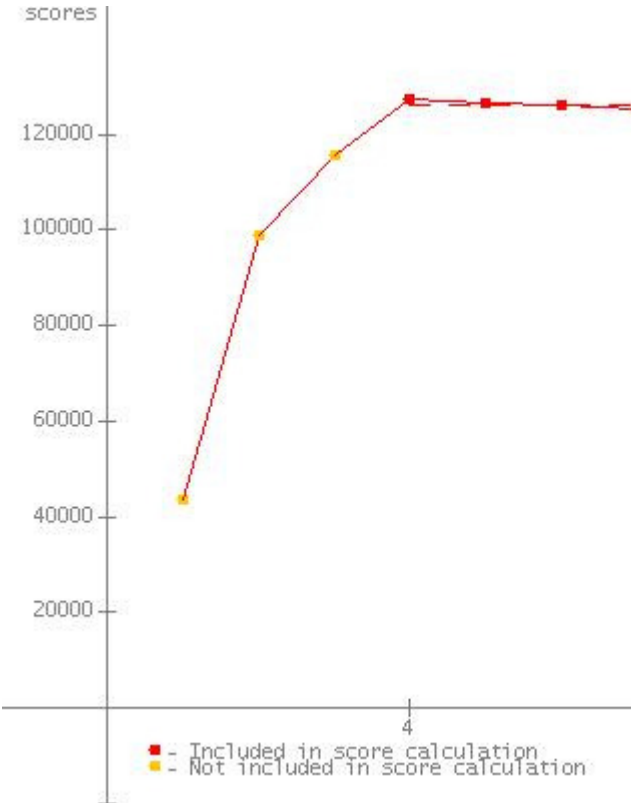




<b>Cores/Chip</b>		<b>JVM Address bits</b>	64
<b>HW Threading Enabled?</b>	yes	<b>JVM CLASSPATH</b>	.\jbb.jar; .\check.jar;
<b>Procs Avail to Java</b>	64		C:\Program Files\Java\jre\bin\compressedref C:\Program Files\Java\jre\lib\annotation.jar; C:\Program Files\Java\jre\lib\beans.jar; C:\Program Files\Java\jre\lib\java.util.jar; C:\Program Files\Java\jre\lib\jndi.jar; C:\Program Files\Java\jre\lib\logging.jar; C:\Program Files\Java\jre\lib\security.jar; C:\Program Files\Java\jre\lib\sql.jar; C:\Program Files\Java\jre\lib\ibmorb.jar; C:\Program Files\Java\jre\lib\ibmorbapi.jar; C:\Program Files\Java\jre\lib\ibmcfw.jar; C:\Program Files\Java\jre\lib\rt.jar; C:\Program Files\Java\jre\lib\charsets.jar; C:\Program Files\Java\jre\lib\resources.jar; C:\Program Files\Java\jre\lib\ibmpkcs.jar; C:\Program Files\Java\jre\lib\ibmcertpathfw C:\Program Files\Java\jre\lib\ibmjgssfw.jar; C:\Program Files\Java\jre\lib\ibmjssefw.jar; C:\Program Files\Java\jre\lib\ibmsaslfw.jar; C:\Program Files\Java\jre\lib\ibmjcefw.jar; C:\Program Files\Java\jre\lib\ibmjgssprovide C:\Program Files\Java\jre\lib\ibmjsseprovide C:\Program Files\Java\jre\lib\ibmcertpathprc C:\Program Files\Java\jre\lib\ibmxmlicrypto. C:\Program Files\Java\jre\lib\management-a C:\Program Files\Java\jre\lib\xml.jar; C:\Program Files\Java\jre\lib\jlm.jar; C:\Program Files\Java\jre\lib\javascript.jar
<b>Memory (MB)</b>	524288	<b>JVM BOOTCLASSPATH</b>	
<b>Memory Details</b>	64 x DDR3-1066 8GB QR RDIMMs		
<b>Primary cache</b>	32KB I + 32KB D on chip per core		
<b>Secondary cache</b>	256KB I+D on chip per core		
<b>Other cache</b>	24MB I+D L3 on chip per chip		
<b>Filesystem</b>	NTFS		
<b>Disks</b>	1 x 73GB 15K RPM SAS		
<b>Other hardware</b>			
		<b>OS Version</b>	Microsoft Windows Server 2008 Enterprise
		<b>Other software</b>	None
<b>Test Information</b>			
<b>Tested by</b>	Cisco Systems		
<b>SPEC license #</b>	9019		
<b>Test location</b>	San Jose, CA		
<b>Test date</b>	Mar 30, 2010		
<b>H/w available</b>	Apr-2010		
<b>JVM available</b>	May-2009		
<b>OS available</b>	Sept-2009		
<b>Other s/w available</b>	N/A		
			Operating system tunings
			<ul style="list-style-type: none"> <li>• Turned off "Hardware Prefetcher" in BIOS.</li> <li>• Turned off "Adjacent Cache Line Prefetch" in BIOS.</li> <li>• "Lock pages in memory" enabled for benchmark user.</li> <li>• Each JVM instance was affinitized to four cores of a chip.</li> </ul>
			Command line options are described at: <a href="http://publib.boulder.ibm.c">http://publib.boulder.ibm.c</a>

## JVM 1 Scores:

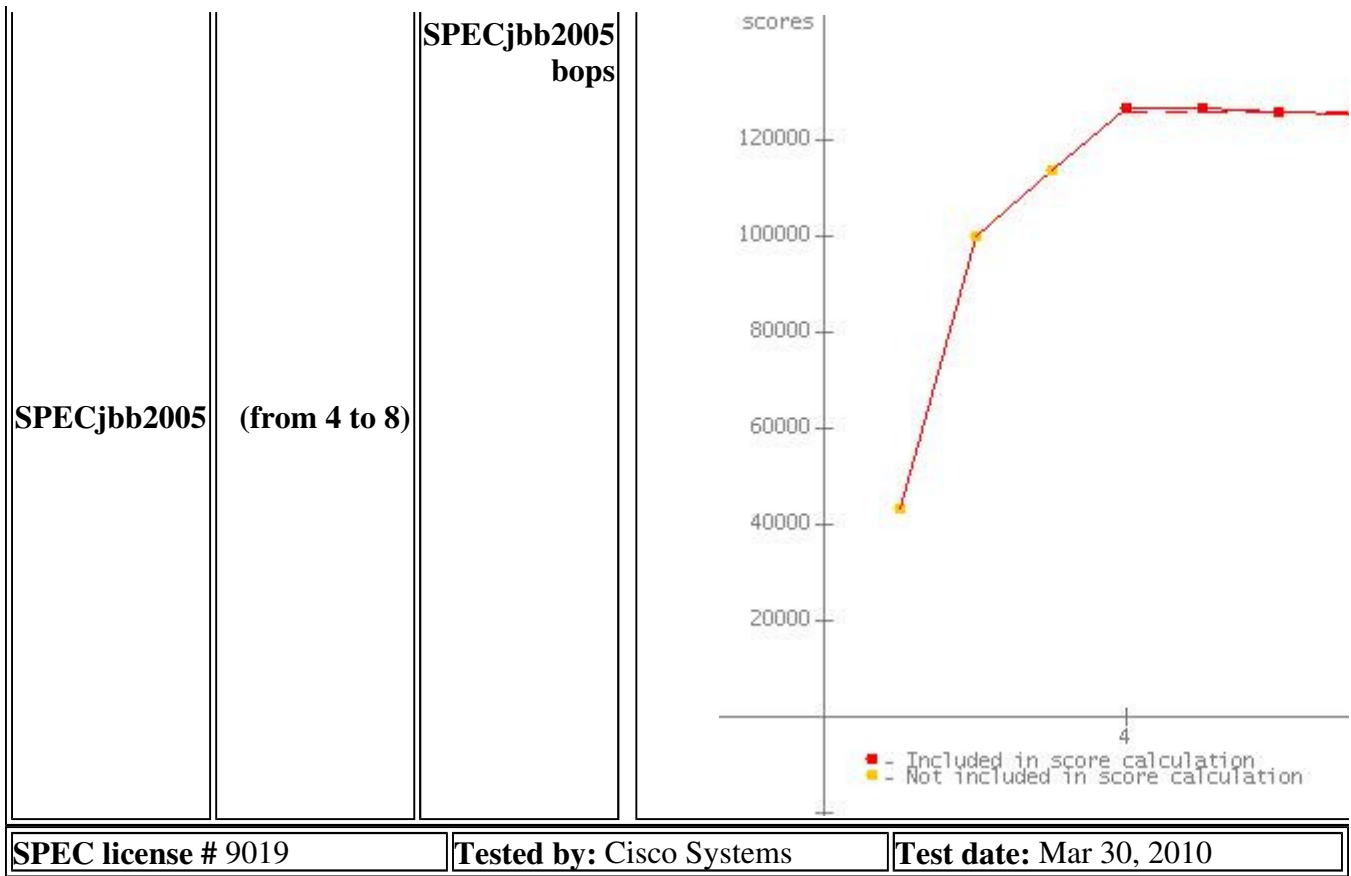
Warehouses	SPECjbb2005 bops	Incl. in metric
1	43486	
2	99079	
3	115769	
4	127510	*
5	126672	*
6	126125	*
7	125109	*
8	124902	*
<b>SPECjbb2005</b>	<b>(from 4 to 8)</b>	<b>126064</b> <b>SPECjbb2005</b> <b>bops</b>



SPEC license # 9019	Tested by: Cisco Systems	Test date: Mar 30, 2010
---------------------	--------------------------	-------------------------

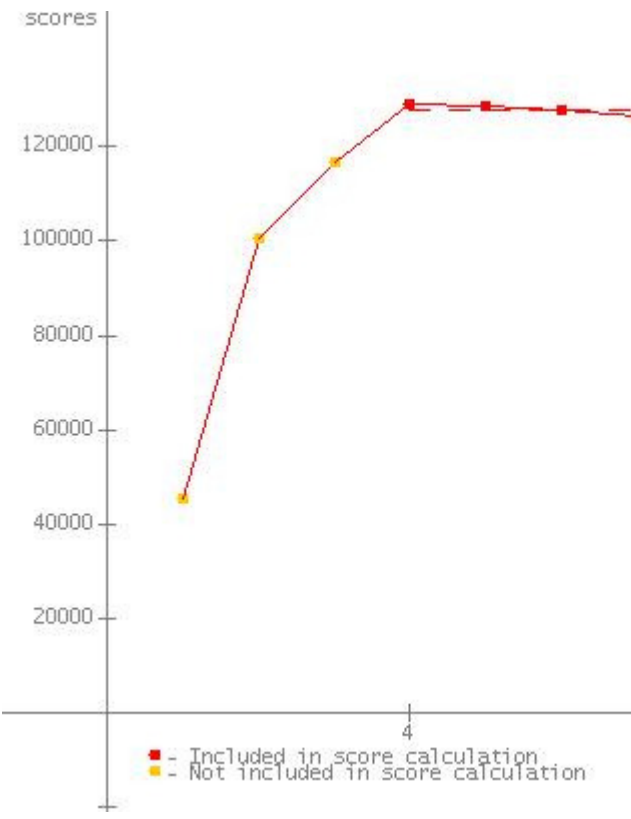
## JVM 2 Scores:

Warehouses	SPECjbb2005 bops	Incl. in metric
1	43236	
2	100237	
3	113781	
4	126947	*
5	126929	*
6	125916	*
7	125457	*
8	123970	*
		<b>125844</b>



**JVM 3 Scores:**

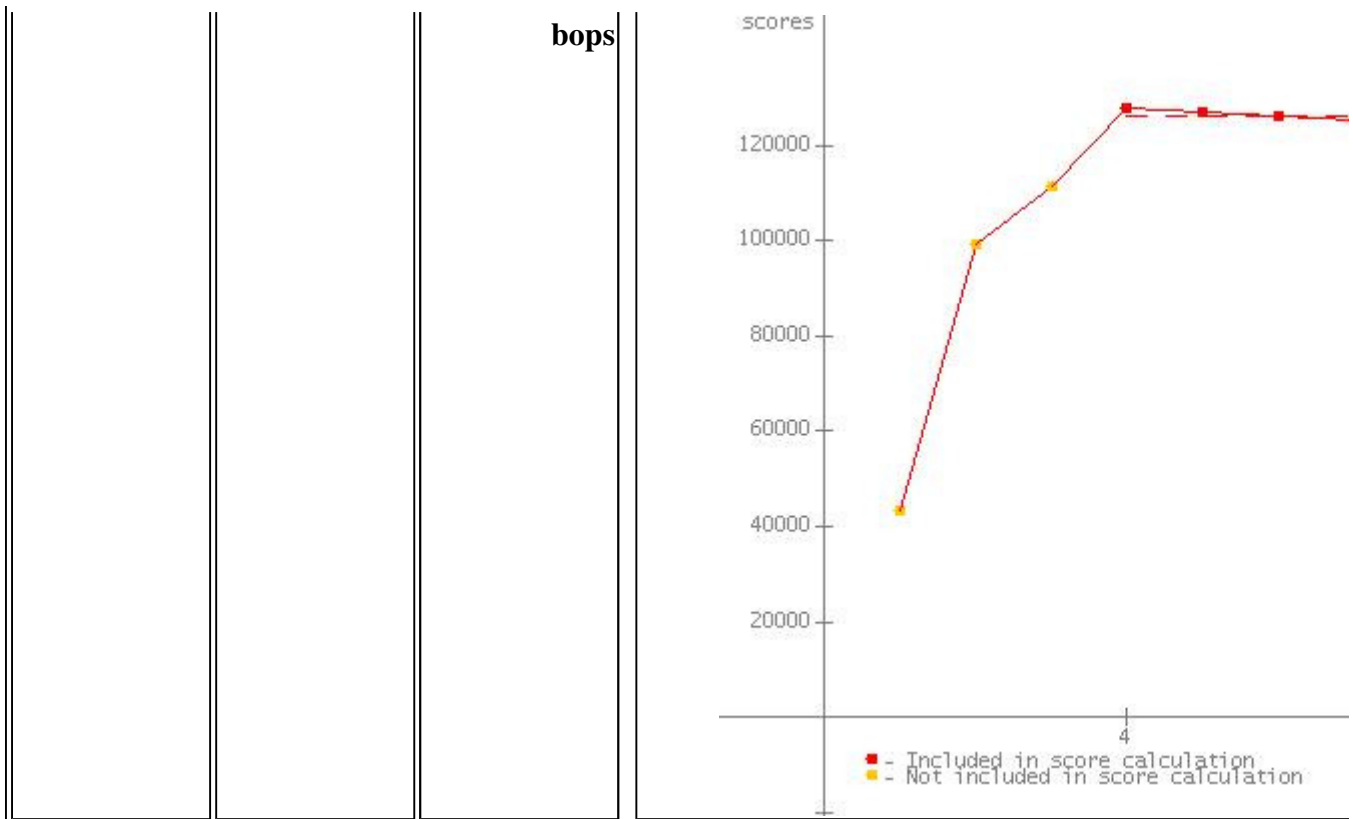
Warehouses	SPECjbb2005 bops	Incl. in metric
1	45376	
2	100601	
3	116772	
4	129174	*
5	128563	*
6	127715	*
7	126563	*
8	126252	*
<b>SPECjbb2005</b>	<b>(from 4 to 8)</b>	<b>127653 SPECjbb2005 bops</b>



SPEC license # 9019	Tested by: Cisco Systems	Test date: Mar 30, 2010
---------------------	--------------------------	-------------------------

### JVM 4 Scores:

Warehouses	SPECjbb2005 bops	Incl. in metric
1	43504	
2	99028	
3	111538	
4	127918	*
5	127029	*
6	126297	*
7	125071	*
8	124501	*
<b>SPECjbb2005</b>	<b>(from 4 to 8)</b>	<b>126163 SPECjbb2005</b>



<b>SPEC license # 9019</b>	<b>Tested by: Cisco Systems</b>	<b>Test date: Mar 30, 2010</b>
----------------------------	---------------------------------	--------------------------------

**JVM 5 Scores:**

Warehouses	SPECjbb2005 bops	Incl. in metric
1	43003	
2	99959	
3	115943	
4	127848	*
5	127371	*
6	125658	*
7	125506	*
8	125100	*
<b>SPECjbb2005</b>	<b>(from 4 to 8)</b>	<b>126297 SPECjbb2005 bops</b>

Legend:  
■ - Included in score calculation  
■ - Not included in score calculation

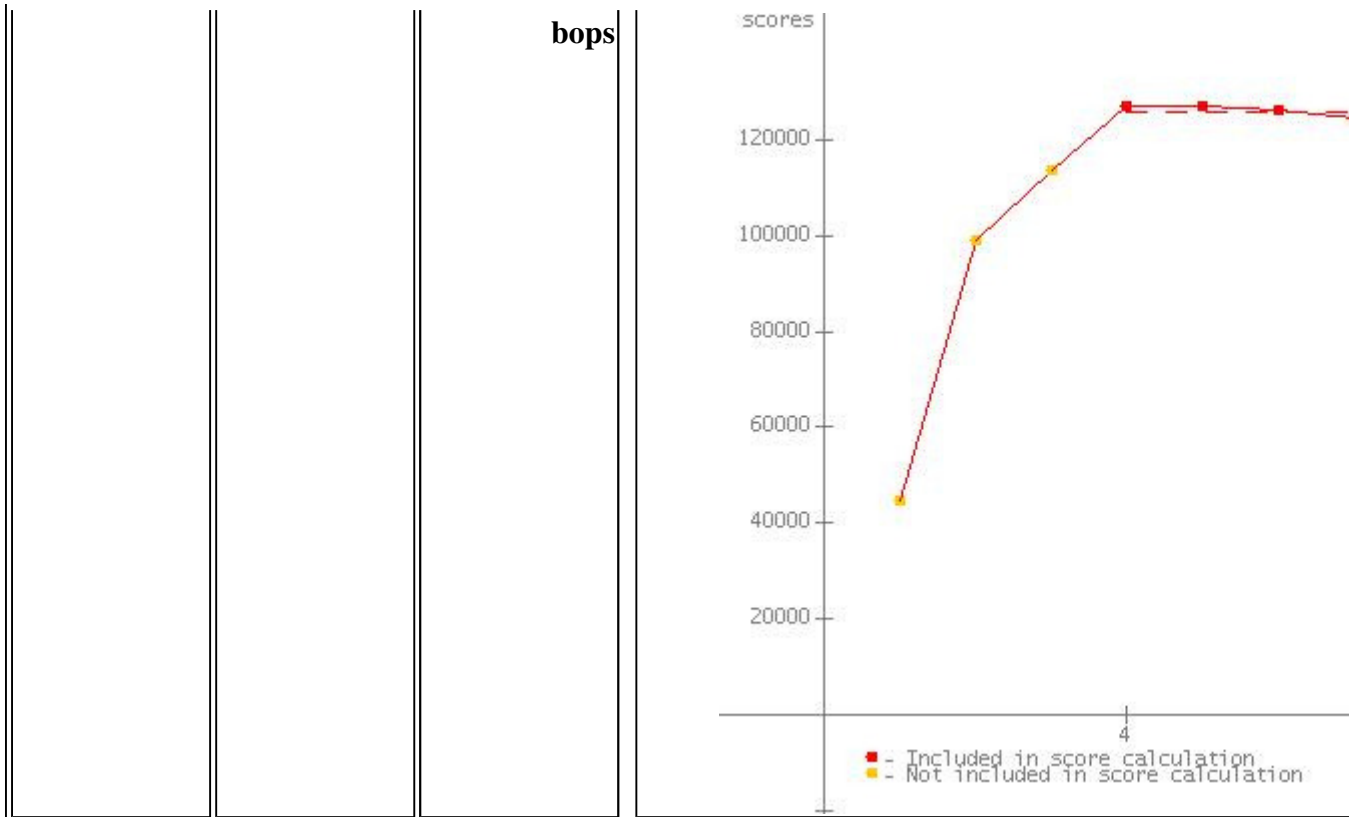
SPEC license # 9019

Tested by: Cisco Systems

Test date: Mar 30, 2010

## JVM 6 Scores:

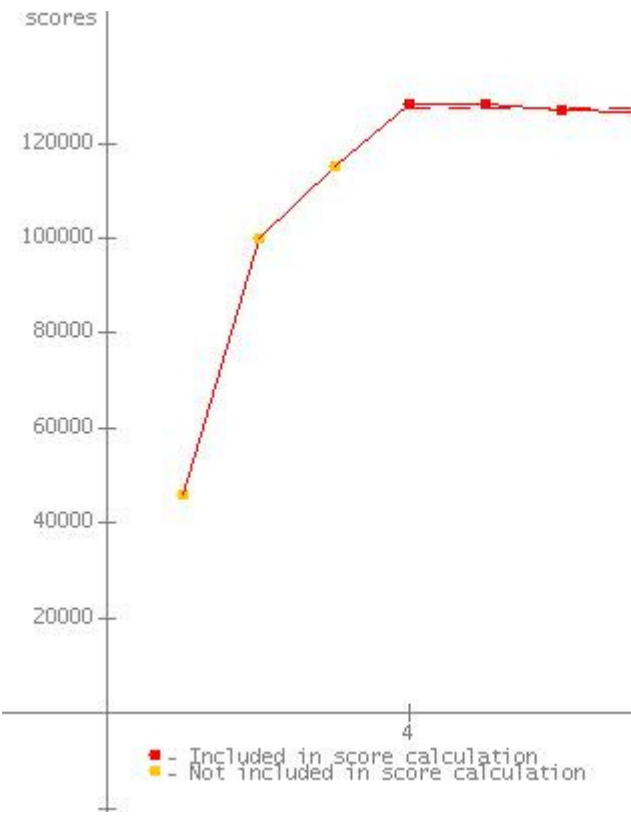
Warehouses	SPECjbb2005 bops	Incl. in metric
1	44531	
2	99001	
3	113737	
4	127004	*
5	127114	*
6	126024	*
7	124624	*
8	124535	*
<b>SPECjbb2005</b>	<b>(from 4 to 8)</b>	<b>125860 SPECjbb2005</b>



<b>SPEC license # 9019</b>	<b>Tested by: Cisco Systems</b>	<b>Test date: Mar 30, 2010</b>
----------------------------	---------------------------------	--------------------------------

**JVM 7 Scores:**

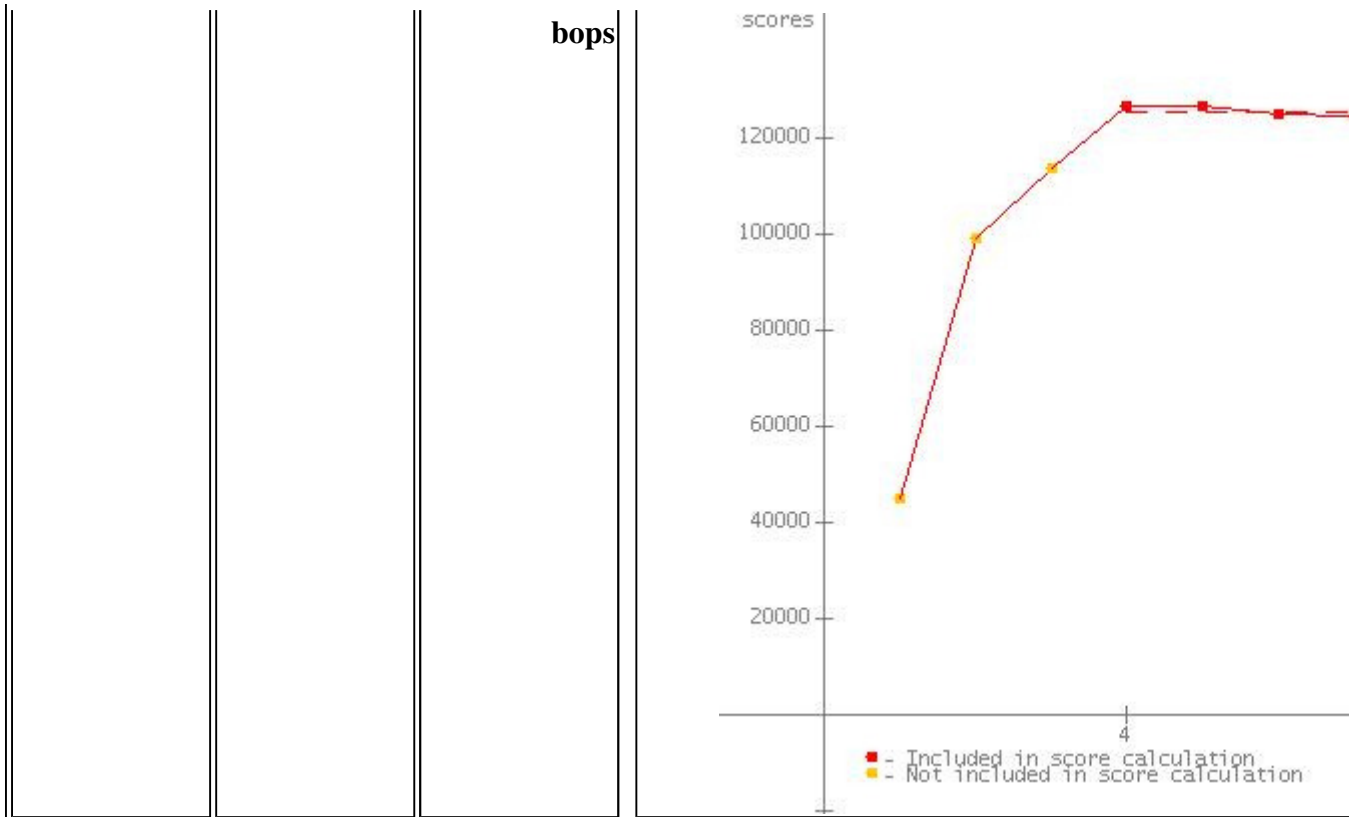
Warehouses	SPECjbb2005 bops	Incl. in metric
1	46066	
2	100039	
3	115346	
4	128417	*
5	128449	*
6	127174	*
7	126773	*
8	125581	*
<b>SPECjbb2005</b>	<b>(from 4 to 8)</b>	<b>127279</b> <b>SPECjbb2005</b> <b>bops</b>



<b>SPEC license # 9019</b>	<b>Tested by: Cisco Systems</b>	<b>Test date: Mar 30, 2010</b>
----------------------------	---------------------------------	--------------------------------

### JVM 8 Scores:

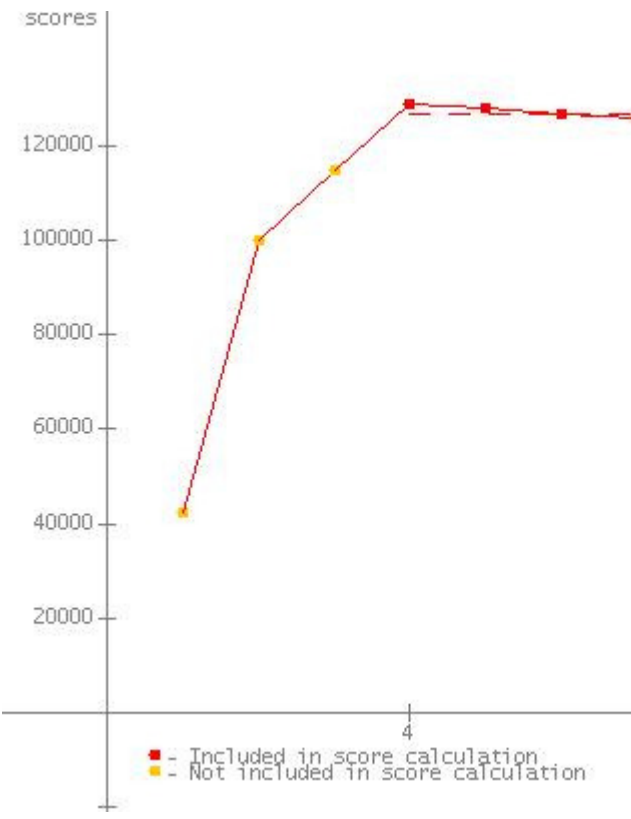
Warehouses	SPECjbb2005 bops	Incl. in metric
1	45146	
2	99145	
3	113591	
4	126433	*
5	126660	*
6	124893	*
7	124582	*
8	123617	*
<b>SPECjbb2005</b>	<b>(from 4 to 8)</b>	<b>125237</b> <b>SPECjbb2005</b>



<b>SPEC license # 9019</b>	<b>Tested by: Cisco Systems</b>	<b>Test date: Mar 30, 2010</b>
----------------------------	---------------------------------	--------------------------------

**JVM 9 Scores:**

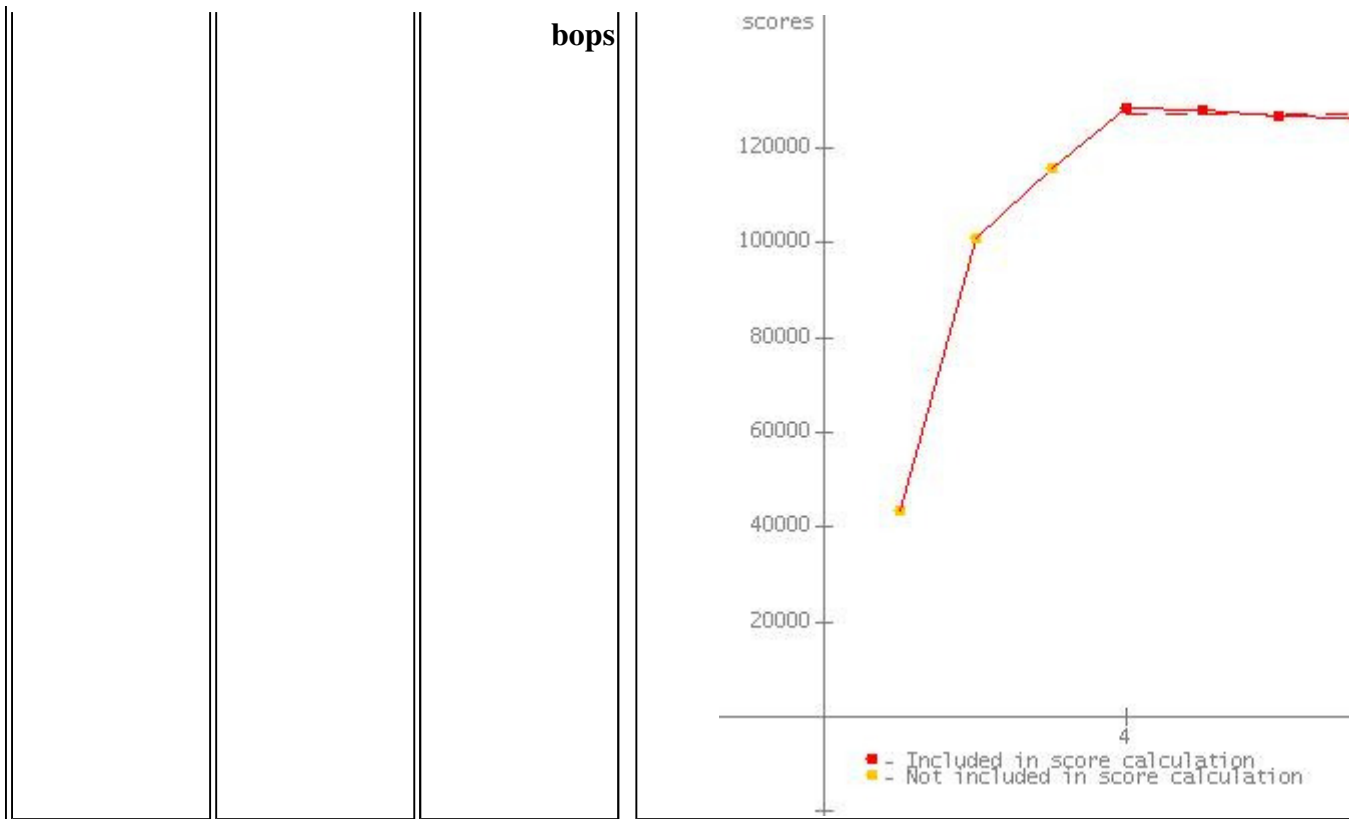
Warehouses	SPECjbb2005 bops	Incl. in metric
1	42365	
2	99991	
3	114703	
4	128842	*
5	127704	*
6	126604	*
7	125657	*
8	124767	*
<b>SPECjbb2005</b>	<b>(from 4 to 8)</b>	<b>126715</b> <b>SPECjbb2005</b> <b>bops</b>



SPEC license # 9019	Tested by: Cisco Systems	Test date: Mar 30, 2010
---------------------	--------------------------	-------------------------

### JVM 10 Scores:

Warehouses	SPECjbb2005 bops	Incl. in metric
1	43416	
2	100943	
3	115741	
4	128602	*
5	127915	*
6	126921	*
7	126478	*
8	125554	*
<b>SPECjbb2005</b>	<b>(from 4 to 8)</b>	<b>127094</b> <b>SPECjbb2005</b>



<b>SPEC license # 9019</b>	<b>Tested by: Cisco Systems</b>	<b>Test date: Mar 30, 2010</b>
----------------------------	---------------------------------	--------------------------------

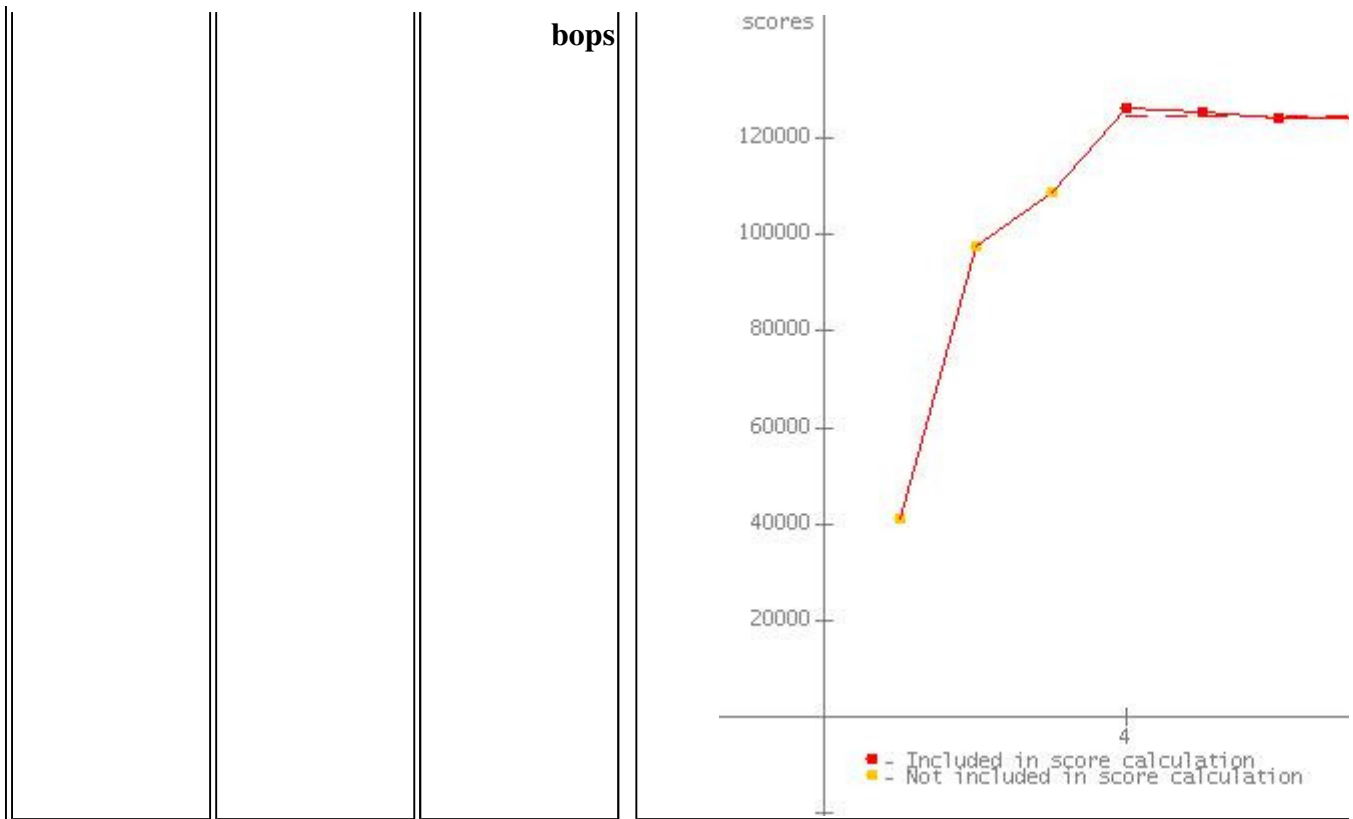
**JVM 11 Scores:**

Warehouses	SPECjbb2005 bops	Incl. in metric
1	41808	
2	98781	
3	112457	
4	128026	*
5	127415	*
6	125782	*
7	125339	*
8	124726	*
<b>SPECjbb2005</b>	<b>(from 4 to 8)</b>	<b>126258</b> <b>SPECjbb2005</b> <b>bops</b>

SPEC license # 9019	Tested by: Cisco Systems	Test date: Mar 30, 2010
---------------------	--------------------------	-------------------------

### JVM 12 Scores:

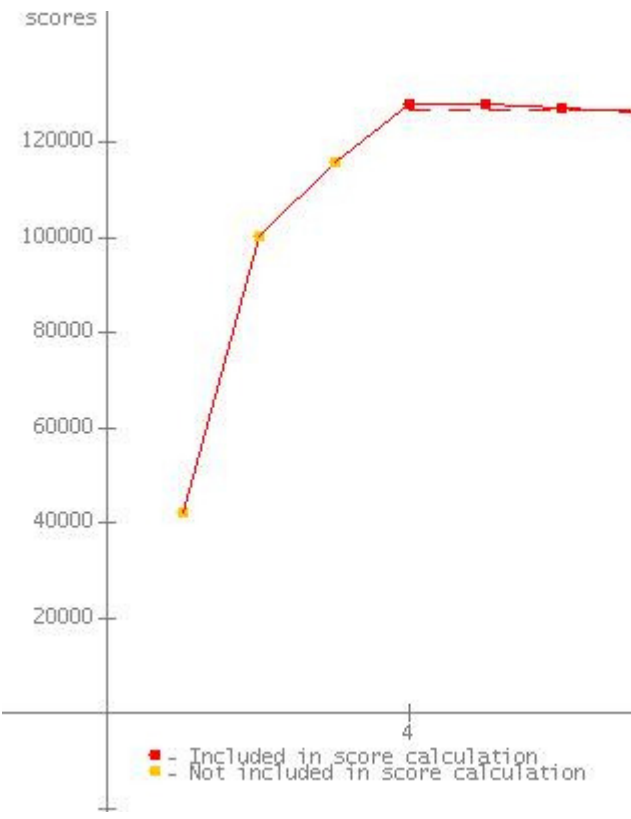
Warehouses	SPECjbb2005 bops	Incl. in metric
1	41091	
2	97741	
3	108705	
4	126380	*
5	125530	*
6	124261	*
7	123965	*
8	123332	*
<b>SPECjbb2005</b>	<b>(from 4 to 8)</b>	<b>124694</b> <b>SPECjbb2005</b>



<b>SPEC license # 9019</b>	<b>Tested by: Cisco Systems</b>	<b>Test date: Mar 30, 2010</b>
----------------------------	---------------------------------	--------------------------------

**JVM 13 Scores:**

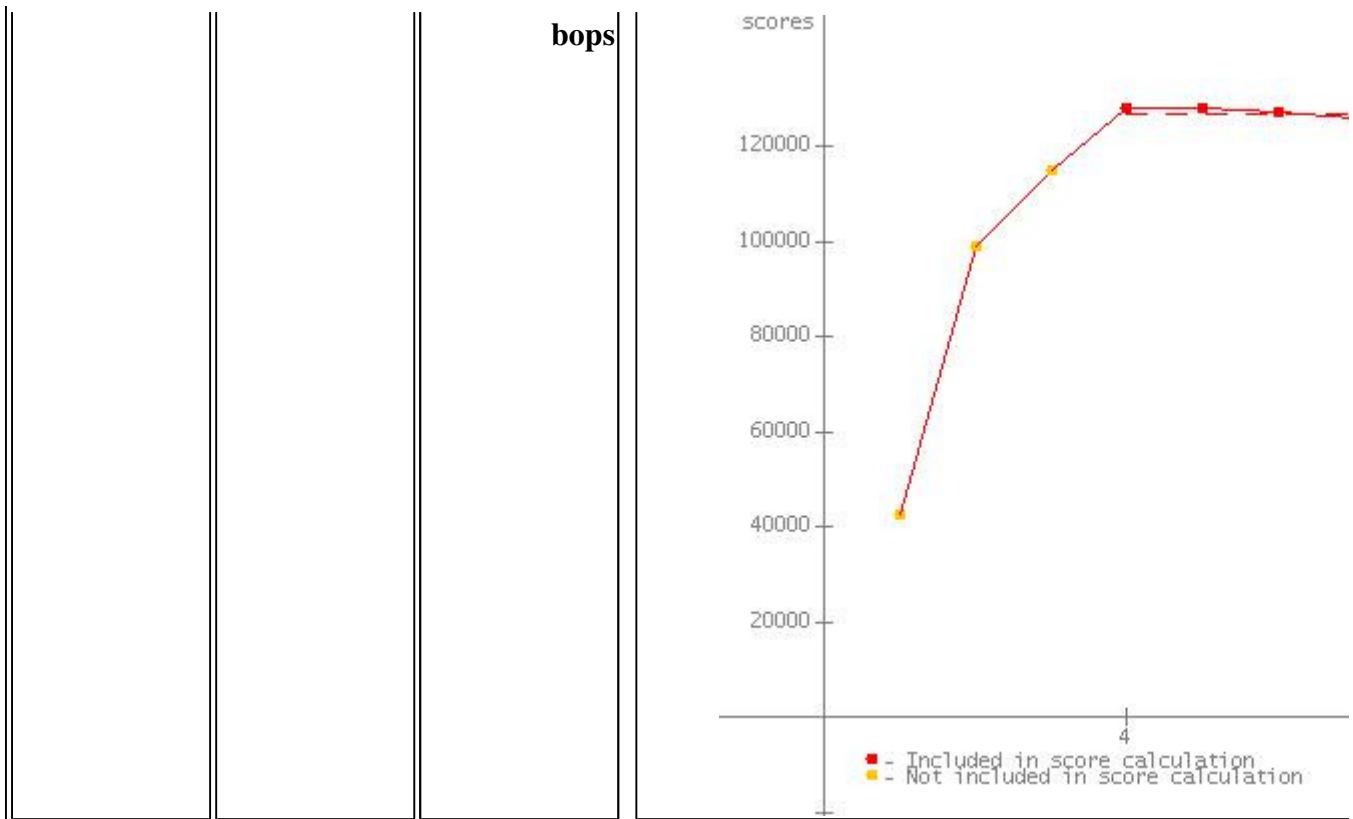
Warehouses	SPECjbb2005 bops	Incl. in metric
1	42316	
2	100475	
3	116075	
4	128340	*
5	128080	*
6	127244	*
7	126501	*
8	125461	*
<b>SPECjbb2005</b>	<b>(from 4 to 8)</b>	<b>127125</b> <b>SPECjbb2005</b> <b>bops</b>



<b>SPEC license # 9019</b>	<b>Tested by: Cisco Systems</b>	<b>Test date: Mar 30, 2010</b>
----------------------------	---------------------------------	--------------------------------

### JVM 14 Scores:

Warehouses	SPECjbb2005 bops	Incl. in metric
1	42607	
2	99220	
3	114953	
4	128120	*
5	128292	*
6	127241	*
7	126062	*
8	124550	*
<b>SPECjbb2005</b>	<b>(from 4 to 8)</b>	<b>126853</b> <b>SPECjbb2005</b>



<b>SPEC license # 9019</b>	<b>Tested by: Cisco Systems</b>	<b>Test date: Mar 30, 2010</b>
----------------------------	---------------------------------	--------------------------------

**JVM 15 Scores:**

Warehouses	SPECjbb2005 bops	Incl. in metric
1	45066	
2	99226	
3	113854	
4	127547	*
5	127630	*
6	126492	*
7	125754	*
8	124935	*
<b>SPECjbb2005</b>	<b>(from 4 to 8)</b>	<b>126471</b> <b>SPECjbb2005</b> <b>bops</b>

Legend:  
■ - Included in score calculation  
■ - Not included in score calculation

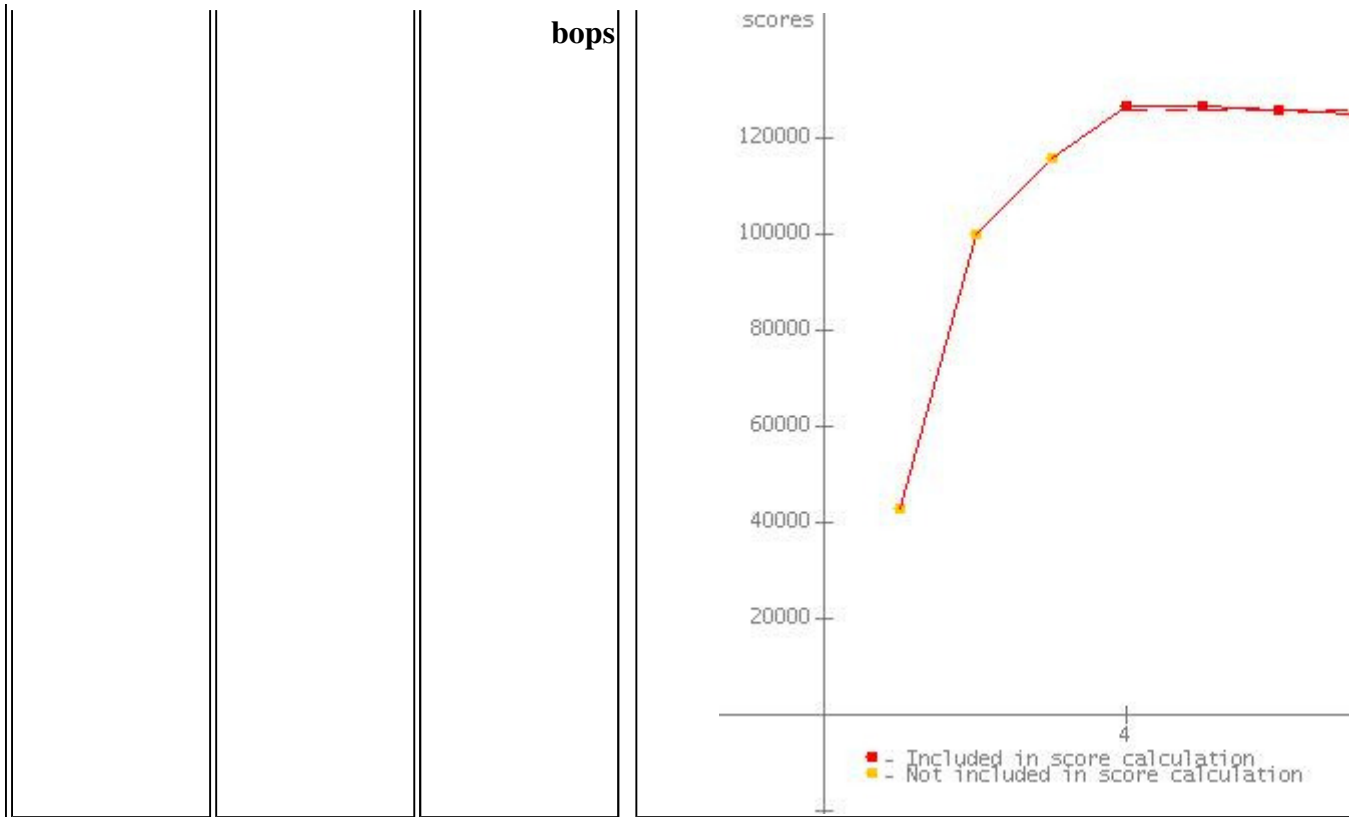
SPEC license # 9019

Tested by: Cisco Systems

Test date: Mar 30, 2010

## JVM 16 Scores:

Warehouses	SPECjbb2005 bops	Incl. in metric
1	43065	
2	99831	
3	115730	
4	126787	*
5	126822	*
6	125918	*
7	125193	*
8	124869	*
<b>SPECjbb2005</b>	<b>(from 4 to 8)</b>	<b>125918</b> <b>SPECjbb2005</b>



<b>SPEC license # 9019</b>	<b>Tested by: Cisco Systems</b>	<b>Test date: Mar 30, 2010</b>
----------------------------	---------------------------------	--------------------------------

SPECjbb2005 Version: [SPECjbb2005 1.07, March 15, 2006]  
 Reporting page, Copyright © 2005-2007 SPEC. All rights reserved