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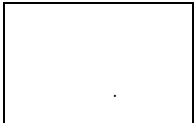
가

®
Microsoft Visual Studio* 2005

Windows* C++
2008

가

®



가

(Show Me)

:

(Show Me)

Adobe* Flash*

가

<http://www.adobe.com/products/flashplayer/>

	2
1	3
2	3
3	4
4	-	4
5	-	6
6	-	10
7	12



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“ ” “ ”

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1-800-548-4725

가

http://www.intel.com/products/processor_number

BunnyPeople, Celeron, Celeron Inside, Centrino, Centrino Atom, Centrino Atom Inside, Centrino Inside, Centrino logo, Core Inside, FlashFile, i960, InstantIP, Intel, Intel logo, Intel386, Intel486, IntelDX2, IntelDX4, IntelSX2, Intel Atom, Intel Atom Inside, Intel Core, Intel Inside, Intel Inside logo, Intel. Leap ahead., Intel. Leap ahead., Intel NetBurst, Intel NetMerge, Intel NetStructure, Intel SingleDriver, Intel SpeedStep, Intel StrataFlash, Intel Viiv, Intel vPro, Intel XScale, Itanium, Itanium Inside, MCS, MMX, Oplus, OverDrive, PDCharm, Pentium, Pentium Inside, skool, Sound Mark, The Journey Inside, Viiv Inside, vPro Inside, VTune, Xeon Xeon Inside 가 Intel Corporation

*

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Microsoft

Microsoft Corporation 가



1

: Windows* C++

가 Intel

```

1. Banner program has started execution.
2. Banner output from thread pool (Correct output)..
   I I I I   n n n n   t       e e e   l
   l       n n n   t t t   e e   l
   l       n n     t     e e e   l
   l       n n     t     e     l
   I I I I   n n     t t   e e e   l l
3. Banner program has completed execution. Please press enter.
  
```

- Microsoft Visual Studio* 2005 2008

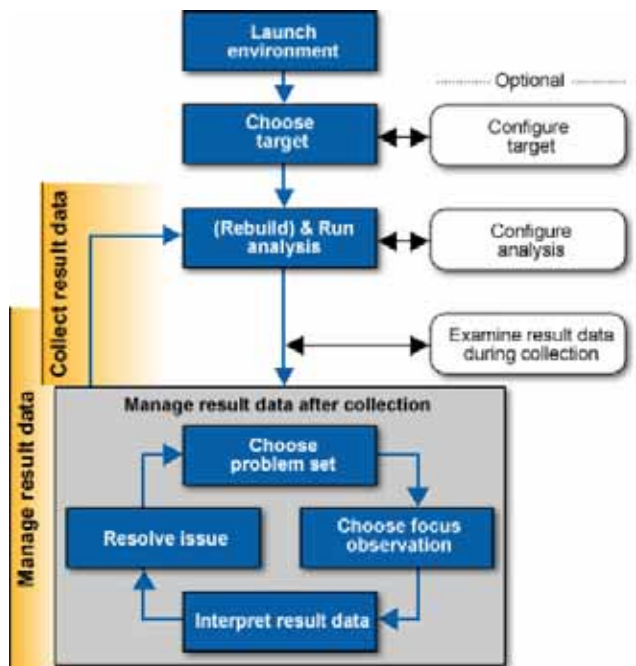
- ®

(Banner)

(BannerFixed

- ®

- ®



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(Help)
(Workflows)

2

Visual Studio* 2005 2008



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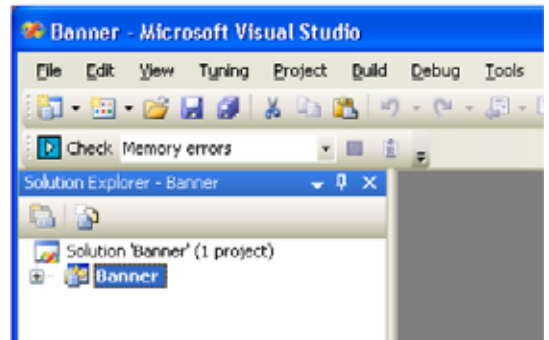
: 가 Visual Studio* 2005

3



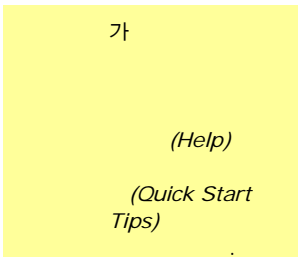
1. Microsoft Visual Studio
(File) > (Open) >
/ (Project/Solu
tion)
2. (Open Project)

samples/Banner.sln
(Solution
Explorer) (Banner)



Show Me

4



1. (Banner) 가
2. Visual Studio* (Build) > (Build Solution)

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My Inspector Results\resultdir *.insp

가

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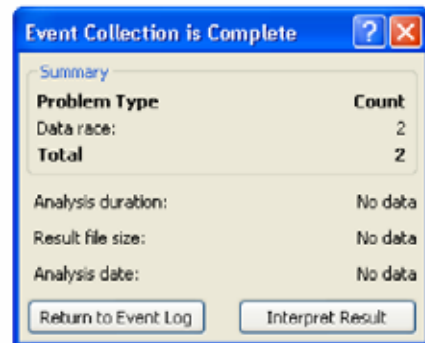
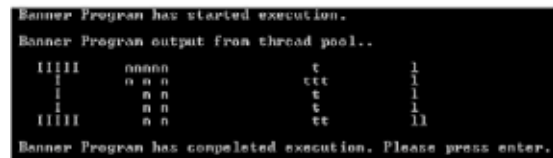
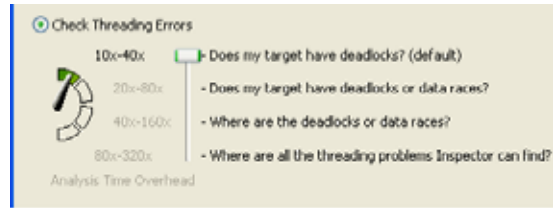
(Help)
(Quick Start Tips)

(Help)
(About Configuring Analyses)

My Inspector
Results result-000-tc4
result-000-tc4.insp,
where tc =
result type
(threading
check) and 4 =
highest preset
level.

(event)
(problem)
가
(observation)

- - 가
1. Visual Studio*
(Tools) >
(Intel Parallel Inspector) >
...(Configure Analysis...)
(Configure Analysis)
 2. (Check Threading Errors)
 3. 가
?(Where are all the threading problems Inspector can find?)
(Run Analysis)
My Inspector
Results\resultdir * . insp
 4. 가
(Intel In tll).
 6. (Event Collection is Complete)
 7. (Interpret Result)

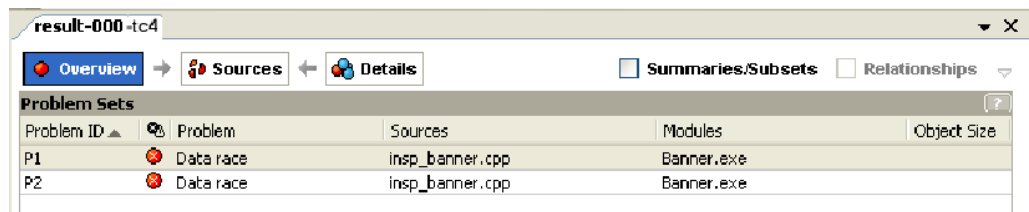




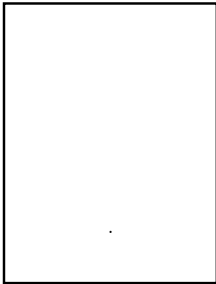
@

5

: 가



Problem ID	Problem	Sources	Modules	Object Size
P1	Data race	insp_banner.cpp	Banner.exe	
P2	Data race	insp_banner.cpp	Banner.exe	



(Overview)

(Problem Sets)

- (Severity) - () ()
- -

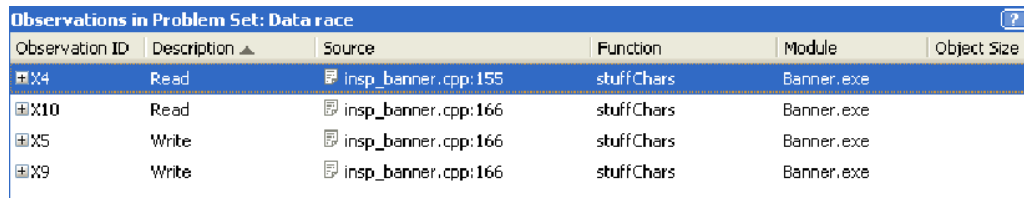
(Problems Sets)

@

(Overview)

(Observations in Problem Set)

Set)



Observation ID	Description	Source	Function	Module	Object Size
X4	Read	insp_banner.cpp:155	stuffChars	Banner.exe	
X10	Read	insp_banner.cpp:166	stuffChars	Banner.exe	
X5	Write	insp_banner.cpp:166	stuffChars	Banner.exe	
X9	Write	insp_banner.cpp:166	stuffChars	Banner.exe	

: .



가

(Write)

(Data Race)

(

. +

(Observations in Problem Set)
(Sources)

가
(Write)




The screenshot displays the Intel Thread Analyzer interface for a data race analysis. The main window shows the source code for `insp_banner.cpp` at line 166, where a write operation occurs. The `Observations in Problem Set: Data race` table lists three observations:

Ob...	D.	Source	Function	Module	Object Size
X10	Read	insp_banner.cpp:166	stuffChars	Banner.exe	
X5	Write	insp_banner.cpp:166	stuffChars	Banner.exe	
X9	Write	insp_banner.cpp:166	stuffChars	Banner.exe	

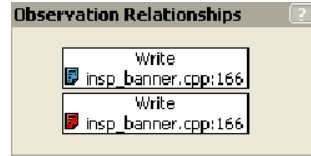
The `Observation Relationships` pane shows a dependency graph with nodes for `Write insp_banner.cpp:166` and `write insp_banner.cpp:166`.



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(Sources)	
	Visual Studio* (Focus Observation Code) (Sources)
	가 (Sources) (Related Observation Code)
	가
	가

(Observation Relationships)



- 가
- 가
- 가
- 가
- 가

Set)	(Observations in Problem
Focus Observation)	(Set as



- [\[Link\]](#)
- [\[Link\]](#)

1. [\[Link\]](#) (Focus Observation Code) (Related Observation Code)
2. [\[Link\]](#) Visual Studio*
3. [\[Link\]](#) (Overview) -000-tc4(result-000-tc4) (Overview)
4. [\[Link\]](#)
5. [\[Link\]](#) Studio* (Tools) > [\[Link\]](#) Visual (Intel Parallel Inspector) > (Recheck)

:

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[\[Link\]](#)



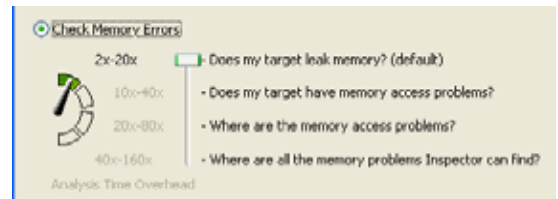
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Show Me

6

가 (Configure Analysis)

1. ().
2. Visual Studio*
(Tools) >
(Intel Parallel
Inspector) >
...(Configure Analysis...)
(Configure
Analysis)



3. (Check Memory Errors)
4. 가

?(Where are all the memory problems Inspector can find?)

5. (Run Analysis)
My Inspector
Results\resultdir *.insp

```

: My
Inspector Re
sults \
result-001-
mc4\
result-001-
mc4.insp,
where mc =
result type
(memory
check) and 4 =
highest preset
result scope.

```

6. 가 (Intel In te).
7. (Event Collection is Complete)
8. (Interpret Result)



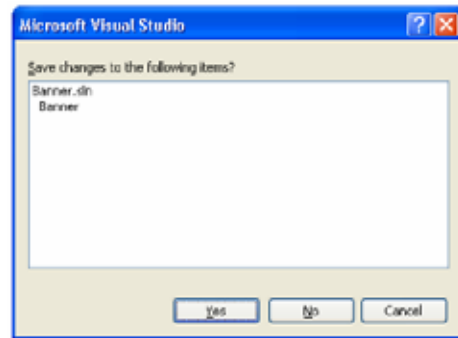


1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

1. Visual Studio* 가 ®
(File) >
(Close Solution)

2. **(Yes)**
(Solution Explorer)

: ®
 My Inspector Results



3. _____: **(BannerFixed)** /

4. **(BannerFixed)** _____

5. _____

— 가

— **(Event Collection is Complete)**

— **(Event Collection is Complete)**
(Interpret Result) **(Overview)**

6. _____

— 가

— **(Event Collection is Complete)**

— **(Event Collection is Complete)**
(Interpret Result) **(Overview)**



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7

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®	<p>HTML</p> <p>Windows* Parallel Studio) > Inspector) > Inspector Documentation)</p> <p>HTML (Intel Parallel (Intel Parallel</p>
	<p>Samples</p> <p>documentation 가 (Sample Code Guide)</p> <p>: 가 (Sample Code Guide)</p>
®	<p>® , ® , ® , ®</p> <p>가</p> <ul style="list-style-type: none"> • ® 가 • ® C/C++ • ® • ® <p>®</p> <p>(Intel Parallel Studio) ></p> <p>></p>