AimBetter

# **AimBetter Group**

# Picture-Perfect SQL Server Performance Control Monitoring

# Your New Interface

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### Introduction

### We designed it, especially for you!

As a leading company that develops technological solutions for the business market and specializes in remote performance management, we always strive to improve and deepen the knowledge for the added value to our customers and especially our end users, managers, and staff in the IT departments. As an Aimbetter user, you have tremendous knowledge power!

Therefore - proudly introducing the AimBetter 2021

AimBetter is a smart system that learns from the daily challenges of our customers, from the smallest problems to the critical ones that can disable an entire business.

### We function as your co-pilot!

Discover the unique identification capabilities of the Aimbetter PCM routinely and in an emergency and take control into your own hands.

Now, we are even more excited!

We are launching the new version of AimBetter with a completely new user interface, which combines a unique and easy-to-use dashboard designed especially for you!

Aimbetter PCM solution comes with new capabilities, parameters, and alerts that you will really want to get in real-time. That's not all; the new system incorporates plugins that will allow you to constantly monitor the external services and facilities that your business depends on.

AimBetter operates in any Microsoft environment, provides a solution for both on-premise servers (anywhere within the domain), and hosted cloud-based servers such as Azure DB, as well as hybrid combinations.

- ✓ Quick and straightforward installation.
- ✓ Easy version updates.
- ✓ Identification of performance issues quickly and easily.
- ✓ Network Operation Center at your service

### See all screens details and features in the illustrations and text below.

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### **Home Screen**

This is the first screen seen when logging in to the system. On this page, you see an overview of your system status and health over the past 60 minutes, with all alerts requiring attention highlighted.

Here is an overview of the main page :

≡ AimBette	rΝ		Home								Welcome back, Hi daniele_B@team.com (GMT+02:00)
Search D	All 26 🔝 11 @ 15	i 🛆 0								💿 Last H	ur 22-09-2020 16:42 🗸
88 Sites		15:42		15:52	16:1	02	16:12	16:22		16:32	16:42
► 🗑 COMP_191											
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+ 🗑 COMP_450		Memory rise	Log backup (.un)					010 104	menny rice alavau	THE INVILLEUR	14 0.000 0.934
>	COMP_447	++++				+++++	++++	1 1			
→ m COMP_454		Log backup (.trn)						CPU 3%	Memory Free 27.8408	Network Busy	0.03% Disk Busy 3%
→ 🗟 COMP_458	COMP_724			11111			1111	111			******
► 🗟 COMP_462		Disk available spa	ace Log backup	(.tm)				 CPU 5%	Memory Free 14.2908	Network Busy 0	02% Disk Busy 0.26%
> ₩ COMP_463	SERVER_4751 COMP_454			11111	111	11111	11111			()())	111111
> 000 COMP_488		Overflow Exception	on Parameter Ex	ception				CPU 7%	Memory Free 21.23GB	Disk Busy 101	Network Busy 0.08%
> 000 COMP_490	SERVER_4853 COMP_463					+++++	1111	 111		1111	111113
→ 555 COMP_491		Page file usage						CPU 2%	Memory Free 4.53GB	Network Busy 0	01% Disk Busy 0.65%
> 50 COMP_492	SERVER_4857	11111									

#### 1. Menu button:

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This button, in the position shown above, displays a fixed list of servers and instances under your control.

When clicked, it will change to the following position:

$\equiv$ AimBetter $\overline{rac{1}{2}}$		ions 💿 - 🧕 Welcare back, Hit Garlet (b) Basen.com carried (b)
(Search D)	1105 1115 1125 1135	11:45 11:55 12:05
> 🗄 COMP_137	COMP_604	○ 5% ○ 2% ○ 4950P ○ 2%
- III COMP_139	Disk available space Queries running long Queries blocking	Disk Busy CPU O Memory Free Network Busy
> Ⅲ COMP_148	< Back	
- 目 COMP_160	∑ Filter Occup œ	6 Róws
→ III COMP_177	Level Start Time End Time Period Status Component	Description Value
> 111 COMP_197	Blocking guery more than x time 1 Alerts Office	1043 BIGINI
- 🔠 COMP_217		>
- 🗑 COMP_219	DISK : Available space is less than 3 Alerts Critical Low Medium	SELECT (P1
> Ⅲ COMP_223		, fiber.dbo.CUSTOMERS.CUSTNAM
• III COMP_224	Running query more than x time 1 Alerts Into	, fiber.dbo.CUSTOMERS.CUSTDES , fiber.dbo.PART.PARTNAME
> Ⅲ COMP_240	SUVER.0542	, fiber.dbo.PART.PARTDES , fiber.dbo.REVISIONS.REVNUM
・ 田 COMP_271	Info 15 09-2020 09:51 15-09-2020 11:88 1.8 hr Ended (	,coalesce(fiber.dbo.CUSTPART 00230:11
> 🛗 COMP_291	SOL: WAIT STATS Avo Wait is more than 1 Awrts Medium	
- Ⅲ COMP_358		
> 111 COMP_426		
- III COMP_52		
- Ⅲ COMP_694		
SERVER_6541		
> III COMP_709		

This retracts the list of servers so only when you hover on the list, it will expand as shown in the screenshot below:

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### 2. AimBetter Logo.

### AimBetter√

In all cases after navigating away from the Home page, clicking on the AimBetter logo at the top of the dashboard will return you to the main page.

### 3. Settings button

<u>ک</u>

Using this button, you can set your own rules for notifications and exclusions.

### 4. User information button

### Q

Clicking this button will give you the option to log off from the application, as well as to view your user settings, where you are able to reset your password, and change your personal information.

### 5. Sites column.

#### 

A list of all companies, servers and database instances under your management is shown. In the list above you can see that the top of the list represents the company name and all servers and instances are shown in the hierarchy below it.

### 6. Reload button

This button is useful when we want to refresh and reload the data that we see on the dashboard. For example, if a few seconds ago you performed a shrink on the database, you can now see the updated result on the log growth graph on DB tab. Furthermore, this is useful when there's a monitoring problem that was fixed at this moment and you would like to see that the data is being collected again.

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#### 7. Clock button

### $\bigcirc$

This button allows you to specify a range of start and end times on some tabs - for example it may be the analyze tab range of events date/time, or a similar option on query history on queries. For all graphs possible, you can have a range of day, month, week.

#### 8. Arrow button

 $\sim$ 

This button allows you to re-order values in a column which has a numeric value. You have the option to order the value by ascending or descending numbers. As well, in order to get to the range of time editing, we need to click on this button.

### 9. Colum Bank button

### φĮγ

AimBetter displays default columns for each tab in the dashboard, but you also have the choice to add further data by adding more columns to the tab, choosing from the extended list of metrics relevant to this tab.

For example, on the DB tab you can add columns about the data and log drives, compatibility level, last dbcc check, unused data space, and more - those are not shown by

### 10. Sites: Types of servers icons



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### 11. Main view window:

This shows the state of the monitored servers and instances over the past 60 minutes:

≡ AimBette	er∀	Home	Performance		Observer	Web Co	onnections	Ø		Welcome back, Hi daniele_B@team.com (GMT +02:00)
Search D	All 26 🔺 11 🥑 15	∞ 0							Last Hour	22-09-2020 16:42 🗸
BB Sites		15:42	15:52	16:02		16:12	14 	22	16:32	16:42
▶ 000 COMP_191										
► 000 COMP_447	<b>SERVER_4753</b> COMP_450	Mamory Free Line backup / tro				+ + + + + + +		15% Memory Free 3 56GB	Natwork Russy 1	S Disk Russ 0.935
► 000 COMP_450		Memory Free Log backup (.tm	)				Gru	To a menory rice 3.0000	INELINOIR DUBY	4 Diek Duey 0.734
→ 000 COMP_453	<b>SERVER_5865</b> COMP_447		+++++	+++++		+++++	++++++	+++++++		
▶ 000 COMP_454		Log backup (.trn)					CPU	3% Memory Free 27.84GB	Network Busy 0	.03% Disk Busy 3%
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▶ 000000000000000000000000000000000000		Disk available space Log back	up (.trn)				CPU 5%	Memory Free 14.29GB	Network Busy 0.02	% Disk Busy 0.26%
→ 🐻 COMP_463	SERVER_4751 COMP_454			11111		+++++	+ (		<del>    </del>	
► 555 COMP_488		Overflow Exception	Exception				CPU 7	% Memory Free 21.23GB	Disk Busy 10%	Network Busy 0.08%
▶ 555 COMP_490	SERVER_4853 COMP_463			++++++						++++
▶ 555 COMP_491		Page file usage					CPU 2	Memory Free 4.53GB	Network Busy 0.01	% Disk Busy 0.65%
► 555 COMP_492	SERVER_4857									

There are 5 colours that represent different severity levels.

- Green this means that there are no issues pending.
- Yellow there is a low severity alert.
- Orange medium severity alert.
- **Red** critical severity alert.
- Blue informative alert.

\*From the area on the top left of the main screen, you can filter between alert levels, by clicking on the icons in the top block.

You can see that there are 26 servers in total.

- I. 11 are showing different alerts
- II. There are 15 servers with no issues.
- III. 0 servers are not synchronized.

Note that each level in the hierarchy list is also clickable and will show the information relevant to it.

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### **Performance Screen**

This tab shows the different aspects of the monitored servers and instances and is divided into sections that represent different resources on your systems:

#### 1. Quick navigation bar.

Using this bar, you are able to quickly filter the view to show only the desired servers.

For example, if "azure managed" is available, pressing it will show on the screen only the azure managed servers inside the hierarchy.

$\equiv$ AimBet	ter Home Performance Queries Observer Web Connections	© - 🧕	Welcome back, Hi daniele_B@team.cor (GMT+02:00)
Search D	Windows Azure Databases Azure Managed AWS MSSQD IIS		
BB Sites	Service MSSQL DB Wait Stats		
000 COMP_297	Cloud v Company v Resource v SKU v Hardware Gen v Vinual Core v CPU v	Storage ~	Storage Used 🛩
COMP 303	SERVER_ COMP_297 SQL managed i_ GeneralPurpose Gen5	5177 GB	2147.23 GB
100 COMI 2000			
▶ 55 COMP_307		0	V
> 屃 COMP_311	SERVEK_0410/AZUPE_Managed_Host/SERVEK_0410	Last 1 day ending 27-0	A-2020 12:26 ♥
。 🗟 COMP_313	CPU Avg Min Max Hide X IO Requests Avg Min Max	Hide X	
> 励 COMP_318			
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► 00 COMP_323	40% AMA 20000 M. M. M. A		Add Graph
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→ 📅 COMP_334			
E COMP 345			

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$\equiv$ AimBetter $\overline{\lor}$	Home Performance Queries Observer Web Connections 💿 - 😡 - Webcone back, our cases, our
Search D	Windows Azure Managed AWS MSSEA
BB Sites	Service MSSQL DB Wait Stats
> 弱 COMP_209	Cloud v SKU v Capacity v DTU % v Pree Storage Space v Data 10 % v Log Write % v CPU % v
> 弱 COMP_32	SERVER_ Standard DTU Storage 19/256 Unit
> 园 COMP_47	AUTR
> 581 COMP_69	SERVER_6771 / AzureHost /
> 🗟 COMP_713	
▶ 届 COMP_716	
► 🗟 COMP_717	100 % 100 %
> 555 COMP_718	80 % 80 % 80 % 80 % 80 %
> 品 COMP_720	40% 40% 40% 40%
- 60 COMP_727	0%
A SERVER_6771	
> 园 COMP_731	
> 弱 COMP_733	
> 园 COMP_737	

In all the individual tabs, by clicking the icon in the upper right corner of the top bar, you can choose from additional metrics to add to the dashboard: In addition to that, pressing on the individual graph icons will expand the graph in order to show the information you need.

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#### 2. Hosts tab

This tab shows information such as CPU usage percentage, total server memory, how much free memory remains, last restart of the server.

AimBetter√ Queries Observe ure Databases Azure Managed AWS Sites Disk DB Images Analyze Hosts CPU Queue Length ~ Disk busy(%) CPU Usad Total I Disk Usa H COMP 90.68/185.41 18 % 15.44 G E SER. SERVER\_4663 90 GB 11.64/190.36 SER. B COMP\_\_ SERVER\_4663 / Host / SERVER\_4663 · 届 COMP\_ CPU Avg Min Max · 品 COMP\_... BE COMP\_ 100 % 80 % · 品 COMP\_\_ 60 % 40.9 · 届 COMP\_\_\_ 09 17 : 20 % · 弱 COMP\_\_\_ 0 % . Sep 21 17:09 Sep 21 22:49 Sep 22 04:29 Sep 22 10:09 Set period 1 · 品 COMP\_ 局 COMP\_\_ B COMP\_ · 品 COMP\_

Example of expanded graph with optional metrics :

For example, pressing on the CPU Usage graph.

Here you can see information on how much free memory the server has and its changes over the past 24 hours.

You can choose to see the Average, Minimum or Maximum values.

Clicking on the time bar will allow you to change the time-span and even compare two different points in time, up to a month before (dependant on your specific client contract):

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#### 3. Network tab

This tab shows the server's network information, such as the network card details and bandwidth, and network traffic levels.

Ξ	Aim	Better	Home	Performance	Queries	Observer	Web	Connections	Ô	. Θ	Welcome back, Hi daniele_B@t (GMT +02:00)	eam.coi
Search	Q	Windows Azure Databa	ses Azure Managed AWS	MSSQL	IIS							
BB S	it	< Hosts	Network Disk	CPU	Paging	Services	Process	Images	Analyze	MSSQL	DB	>
> == C		Host ~	Card Name 🗸			Band	width 💊 🛛 Ne	twork utilization 🗸	Receive KByt	e/sec 🗸	Send KB	yte/sec
→		SERVER_4185	Ethernet 802.3 - Broadco	m NetXtreme Gigab	it Ethernet	1 GB		0.06 %		55.31 KE		~
≻ 🔚 C	:											
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- 55 C		SERVER_4185 / Ne	etwork / SERVER_4185		• 21-09-2020	11:43 • 20-09-2020	) 11:43	0	Last 1 day ending 21-09	-2020 11:43 vs 20	-09-2020 11:43	×
-	S											
> ##	S	Network utilizat	lion		Avg	Min Max						
-	S	100 %						September	20 08:33 - 98.95 %		$\square$	
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⊦ 🖬 C		40 %									add Graph	
⊳ 55 C		0 %	Sep 20 17	23	Sep 20	23:03	Sen	21 04:43	Sep 21 10	23		

#### 4. Disk tab

This tab shows the information about storage disks:- host name, used space and total space, free space, how busy they are at any given time, read/write and IO levels.

$\equiv$ AimBetter $\overline{rac{1}{2}}$		Home Performance Queries	Observer Web Connections		© - 🧔 - Welcome back, Hi daniele_B@team.com (artr+02:00)
Search D	Windows Azure Databases Azure Managed AWS	MSSQL IS			
> 558 COMP_137	Hosts Network Disk	CPU Paging Services	Process Images Analyze	MSSQL DB Wait Stats	
> 📅 COMP_139	Host 🗸 Disk Usage(GB) 🗸	Free Space 🗸	Busy Time 🐱 Write /R (ms) 🐱	Read /R (ms) ~ IO	/sec v
- 00 COMP_148	SERVER_6541 C 105.13/399.4	294.35 GB	0.75 %	0.1 ms 0.2 ms	·····
> 555 COMP_160	SERVER_6541 L 15.53/150.	134,47 GB	0.28 %	0.1 ms 0 ms	5
+ 霝 COMP_177	SERVER_6541 M 395.78/1024	628.22 GB	0%	0.1 ms 0.1 ms	0
> 圖 COMP_197	SERVER_6541 T 11.47/299.0	288.4 GB	0.03 %	0.1 ms 0 ms	1
• 届 COMP_217					
→ 🐻 COMP_219	SERVER_6541 / Disk / SERVER_6541				🕒 Last 1 day ending 15-09-2020 12:06 🛛 🗙
-      COMP_223			the time time		
>	Free Space		Ary mit max		
> 00 COMP_240	350 GB				September 15 11:46 - 2.07 GB
> 00 COMP_271	250 GB 200 GB				Add Granh
> 霝 COMP_291	150 GB 100 GB				Accompti
, 圖 COMP_358	0 GB , Sep 14 12:06	Sep 14 17:46	Sep 14 23:26	Sep 15 05:06	Sep 15 10.46
> 届 COMP_426					
- III COMP_52					
E SERVER 6541					
COMP 700					
, 000 COMP_103					

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#### 5. CPU tab

AimBetter√ Performance Queries 9 Hi daniele\_B@ Q Windows IIS Searc zure Databases Azure Managed AWS CPU Hosts Network Disk Paging Services Process Images Analyze MSSQL DB Wait Stats ▶ 🖬 COMP\_303 16 Rows ▶ 🔤 COMP\_307 Core .No ~ Host ~ Core Usage ~ Core Hardware Interrupts ~ Core DPC Interrupts 47 % 132 00 ▶ 🖬 COMP\_311 SERVER\_6375 9 37 % - 🔤 COMP 313 SERVER\_6375 11 60 SERVER\_4185 35% SERVER\_6375 0 SERVER\_6375 35% 50 SERVER\_6375 10 > # SERVER\_6377 57 34 % SERVER\_6375 13 SERVER\_6379 54 25% SERVER\_6375 8 ► 555 COMP\_318 23 % 69 SERVER 6375 12 ▶ 55 COMP\_321 51 22% SERVER\_6375 5 ▶ 000 COMP\_323 105 SERVER\_6375 2 • 55 COMP\_326 53 SERVER\_6375 4

This tab shows the level of CPU core usage and number of cores.

\*On this picture you see the CPU usage by descending values, the core number on the operation system, and the hardware or DCP interrupts.

#### 6. Paging tab

This tab shows page file information, including physical location, how much is used, size allocated etc.

$\equiv$ AimBett	er∀	Home	Performance Que	ries Observer	Web Connection	ns	©- 🧕- i	Velcome back, <b>li daniele_B@team.com</b> SMT +02:00)
Search O	Windows Azure Databases	Azure Managed AWS	MSSQL					
	Hosts Netwo	rk Disk C	PU Paging	Services Process	Images	Analyze MSSQ	L DB Wait	Stats
- 000 COMIL 2010	Host 🛩	Page files 🗸	Used ~	Max 🛩	Init ~	Manage type 🐱	Allocated ~	
→ 🐻 COMP_318	SERVER_4157	p:\pagefile.sys	1701 M	8 35000 MB	100 MB	Manual	3582 MB	
▶ 55 COMP_321								
► 000 COMP_323	SERVER_4157 / Pagin	g / SERVER_4157				]	Last 1 week ending 24-09-202	01448 ~ X
▶ 55 COMP_326								_
▶ 555 COMP_329	used			Avg Min Ma	<u>x</u>			
▶ 500 COMP_334	3500 MB	maan				mmmmmmm		
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* 50 COMP_351	1000 MB 500 MB							mun
E SERVER	0 MB - Sep 17 14:48	S	ep 19 06:28	Sep 20 22:08		Sep 22 13:48	Sep 2	24 05:28
SERVER								
BERVER								
I							Windows Ink Works	pace

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#### 7. Services tab

This tab shows the information about the services currently running - their mode (either manual or automatic), running or not, etc. This is a representation of the services window on the server. In this case, the graph will show either 1 - Up/Running or 0 - Down/Not Running.

$\equiv$ AimBe	etter∀	Home	Performance Qu	eries Observer Wo	eb Connections		© ~ 😡 ~ Welcome back, Hi daniele_B @team.com (84/T +02:00)
Search D	Windows Azure Databases	Azure Managed AWS					
BB Sites	Hosts Networ	k Disk CPU	Paging S	Services Process	Images Analyze	MSSQL	DB Wait Stats
≻ 555 COMP	ð						168 Rows 싱싱
E COMP	Name 🛩	Display Name 🐱	State 🛩	Running ~	Account ~	Mode ~	Path 🗸
000	AppHostSvc	Application Host Helper S	Running	1	LocalSystem	Auto	C:\Windows\system32\svchost.exe -k ap
>	Appinfo	Application Information	Running	1	LocalSystem	Manual	C:\Windows\system32\svchost.exe -k net.
* 🗟 COMP	BFE	Base Filtering Engine	Running	1	NT AUTHORITY\LocalSer	Auto	C:\Windows\system32\svchost.exe -k Lo
> 📕 SER	BITS	Background Intelligent Tr	Running	1	LocalSystem	Manual	C:\Windows\System32\svchost.exe -k net
▶ ## SER	Brokerinfrastructure	Background Tasks Infrast	Running	1	LocalSystem	Auto	C:\Windows\system32\svchost.exe -k Dc
▶ ## SER	CertPropSvc	Certificate Propagation	Running	1	LocalSystem	Manual	C:\Windows\system32\svchost.exe -k net.
► ## SER	COMSysApp	COM+ System Application	Running	1	LocalSystem	Manual	C:\Windows\system32\dllhost.exe /Proce
► 555 COMP	CryptSvc	Cryptographic Services	Running	1	NT Authority\NetworkSer	Auto	C:\Windows\system32\svchost.exe -k Ne
► 🗑 COMP	DcomLaunch	DCOM Server Process La	Running	1	LocalSystem	Auto	C:\Windows\system32\svchost.exe -k Dc
> 55 COMP	Dhen	DHCP Client	Running	1	NT Authority/I ocalService	Airto	C:\Windows\svetem32\suchost.exe.klo

#### 8. Process tab

This tab shows information about the different processes running on the server. You can see their CPU usage, how much memory they consume, page file usage and details of the calling process.

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$\equiv$ AimBe	etter∀		Home Perfo	rmance Queries Ob	server Web Conn	ections	Welcome back, Hi daniele_B@team.com (GMT +02:00)
Search D	Windows Azure Datab	bases Azure Managed	AWS	IIS			
BB Sites	Hosts N	letwork Disk	CPU P	aging Services	Process Images	Analyze MSSQL DB	Wait Stats
► 📅 COMP	ð						62 Rows 62
	User Name 🗸	Process Name ~	CPU 🗸	Memory ~	Page files 🛩	Command Line ~	Last initialization ~
> ₩ COMP	Administrator	sqlservr	7.21 %	115148.83 MB	118811.8 MB	*C:\Program Files\Microsoft SQL Server\	2020-02-09 21:00:22
COMP	SYSTEM	zabbix_agentd	0.03 %	15.68 MB	11.11 MB	°C:\Program Files\Zabbix Agent\zabbix_a	2020-02-09 21:00:23
T I COMP	SYSTEM	Isass	0.01 %	165.3 MB	160.61 MB	C:\Windows\system32\lsass.exe	2020-02-09 21:00:20
> SER	SYSTEM	svchost#3	0.01 %	133 MB	111.82 MB	C:\Windows\system32\svchost.exe -k net	2020-02-09 21:00:20
▶ ## SER		BlrSvc	0 %	30.44 MB	14.46 MB	C:\Program Files\Commvault\ContentSt	2020-02-09 21:00:26
› 🚛 SER		ccSvcHst	0%	17.28 MB	301.88 MB	C:\Program Files (x86)\Symantec\Syman	2020-08-18 14:11:13
▶ ## SER		ccSvcHst#1	0 %	2.79 MB	4.91 MB	C:\Program Files (x86)\Symantec\Syman	2020-09-21 15:38:48
▶ 555 COMP		ClassicStartM	0 %	8.68 MB	2.91 MB	ClassicStartMenu.exe -startup	2020-09-21 15:38:49
► DD COMP		CIMgrS	0%	32.01 MB	13.59 MB	"C:\Program Files\Commvault\ContentSt	2020-02-09 21:00:27
> ₩ COMP		conhost	0%	2.96 MB	0.71 MB	\??\C:\Windows\system3?\conhost eye 0	2020-07-20 03:00:41

#### 9. Images tab

This tab shows information about how many processes are running under the Image.

This is usually relevant for terminal servers or terminals that are running multiple processes of the same type. The information is represented in MB.

∃ AimBetter	$\triangleleft$		Home Performa	nce Queries Observe	er Web Connect	ions 💿 - 🤤 - Wekcome back, Hi daniele, B@team.co
Search D	Windows Azure Da	atabases Azure Man	aged AWS MSSQ	lis		
	< Hosts	Network	Disk CPU	Paging Service	es Process Ir	nages Analyze
000 COMP_520	0					43 Rows þj
G COMP_618	Host ~	Image 🗸	CPU ~	Memory ~	Process Count ~	Path ~
员 COMP_623	SERVER_6160	finsql.exe	9.75%	1953.46 MB	19	C:\Program Files (x86)\Microsoft Dynamics NAV\60\Classic\finsql
COMP_624	SERVER_6160		3.64 %	3.74 MB	2	
D COMP_631	SERVER_6160	EXCEL.EXE	1.88 %	140 MB	1	C:\PROGRA~1\MICROS~1\Office15\EXCEL.EXE
SERVER_6085	SERVER_6160	wmiprvse.exe	1.81 %	85.54 MB	5	C:\Windows\sysWOW64\wbem\wmiprvse.exe
SERVER_6158	SERVER_6160	ntrtscan.exe	0.93 %	14.12 MB	1	C:\Program Files (x86)\Trend Micro\Client Server Security Agent\ntr
SERVER_0159	SERVER_6160	TMBMSRV.exe	0.4%	90.92 MB	1	C:\Program Files (x86)\Trend Micro\BM\TMBMSRV.exe
SERVER 6441	SERVER_6160	svchost.exe	0.31 %	342.85 MB		C:\Windows\System32\svchost.exe
SERVER_6442	SERVER_6160	Explorer.EXE	0.25%	779.21 MB	18	C:\Windows\Explorer.EXE
SERVER_6443	SERVER_6160	services.exe	0.15%	13.74 MB	1	C:\Windows\system32\services.exe
	SERVER_6160	firefox.exe	0.13%	1746.59 MB	14	C:\Program Files (x86)\Mozilla Firefox\firefox.exe

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#### 10. Analyze tab

This tab helps analyse issues such as busy disk or high CPU usage. Each row is clickable and upon clicking it, an expanded window opens below with additional fields. Those fields are expandable as well once you click on them. For example, if you want to check Disks utilization, you will click the Disk field and it will expand as well to show another sub menu.

Upon clicking on "Hot files", a drop-down window expands with information about the different disks, their read and write processes etc. This will give you an idea about what is the workload on the different disks and which file is being written to or read from:

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$\equiv$ AimBetter $\overline{\bigtriangledown}$		me Performance Q	ueries Observer Web			) - <mark>()</mark> - (	Welcome back, Hi daniele_B@team.cor (GMT +02:00)
Search D	Windows Azure Databases Azure N	Managed AWS	lis			🕑 Last 1 day endir	ıg 27-09-2020 12:58 ❤
> 000 COMP_13	< Hosts Network	Disk CPU	Paging Services	Process Images	Analyze	MSSQL	DB >
Di COMP_24	Runtime	CPU Usage	Memory Utilization	Disk I/O		letwork Utilization	
▶ 弱 COMP_28	27-09-2020 12:53	18%	79%	2543.867	4	1%	
▶ 000 COMP_29			main				
→ 📅 COMP_645	< BACK						
G COMP_65	CPU Network						
COMP_665	Disk Hot Files						
扇 COMP 676	Files Causing Most Disk IOs						Top: 10 of 20
0 COMP_679	Disk File 3 T:\TempDB\tempdb_mssql_6 3 T:\TempDB\tempdb.mdf	5.ndf		R	eads/sec Kb/Rea 121.6 0 121.0 0	d Writes/sec 52 195.7 52 194.4	Kb/Write 63 63
505 COMP_680	H 3 T:\TempDB\tempdb_mssql_1     B 3 T:\TempDB\tempdb_mssql_2     T:\TempDB\tempdb_mssql_2     T:\TempDB\tempdb_mssql_2     T:\TempDB\tempdb_mssql_2	7.ndf 5.ndf 2.ndf			120.5 120.6	53 194.4 53 193.5 53 194.0	63 64
50 COMP_681	B 3 T:\TempDB\tempdb_mssql_3     T:\TempDB\tempdb_mssql_3     T:\TempDB\tempdb_mssql_3	5.ndf 3.ndf			120.4	52 193.2 53 192.5	63
> ## SERVER_6618	3 T:\TempDB\tempdb_mssql.4     3 T:\TempDB\templog.ldf     0 C:!Perflors/Server.R	4.ndf	27-011622/NHKernel eti		119.0 0.0	52 191.5 0 22.0 33 15.1	63 59
ERVER_6709	C:\PerfLogs\Server\Server_P     C:\PerfLogs\Server\Server_P	erformance\GBSQL16-SRV_202009	.\Performance Counter.blg		0.6	25 1.2	60 +

You can also filter the time frame that you want to investigate, by clicking on the filter icon on the top left corner of the screen.

### 11. MSSQL tab

In this tab, the SQL server information is presented.

The information here shows the metrics for the SQL version, its service pack, last restart, how much memory is allocated for the SQL, how many cores are available and how many are in use etc.

In addition, as before, clicking the menu button on the top right of the window will enable you to add or remove different metrics to display.

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#### 12. DB tab

Here is where the individual databases under the server are represented. You can see here information about the DB, its name, the recovery model, last full backup, last log backup etc.

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$\equiv$ AimBetter	Ì		Home	Performance Que	eries C	Dbserver Web	Connections			۰ 🧕	Welcome back, Hi daniele_B@team.com (0xr7 +02:00)
Search Ø	Windows Azure Datab	bases Azure Managed AV	NS MSSQL IIS								
) 届 COMP_137	Hosts N	letwork Disk	CPU Paging	Services Proc	ess	Images Analy.	ze MSSQL	DB Wait Stats			
• 霝 COMP_139	0										12 Rows 승냥약
> 品 COMP_148	Status 🗸	Instance v	Database ~	Compatibility ~	Recovery	Full Backup 🗸	Log Backup 🗸	Memory ~	Size 🗸	Data Growth 🗸	1
, 园 COMP_160								1 MB	- Data:30		30 MB
> 品 COMP_177	B ONLINE	SERVER_6542	master	110 (SQL Server 2012)	simple	15-09-2020 00:27			Log:0		
> 686 COMP_197											
› 园 COMP_217	B DB ONLINE	SERVER_6542	msdb	120 (SQL Server 2014)	simple	15-09-2020 00:27		176 MB	- Data:537		537 MB
> 霝 COMP_219									Cog.o		
• 霝 COMP_223											
► 000 COMP_224	B ONLINE	SERVER_6542	model	110 (SQL Server 2012)	simple	15-09-2020 00:27		0 MB	Data:4 Log:0		4 MB
► 000 COMP_240											
▶ 000 COMP_271								21 MB	Data:99		88 MB
> 霝 COMP_291	B ONLINE	SERVER_6542	SmadarDB	110 (SQL Server 2012)	simple	15-09-2020 00:27			<ul> <li>Log:1</li> </ul>		
> ☐ COMP_358											
▶ 霝 COMP_426	P. DR ONI INF	CEDVED 6542	demo12	110 (COL Server 2012)	cimple	15-00-2020 00-27		15 MB	Data:9762		9762 MB
→ 📅 COMP_52	10 DE ONLINE	SERVER_0042	denor2	110 (302 36146 2012)	Simple	13072020 00.27			- Log:0		
~ 📅 COMP_694											
E SERVER_6541	DB ONLINE	SERVER_6542	fiber	110 (SQL Server 2012)	full	15-09-2020 00:27	15-09-2020 14:00	7714 MB	Data:53459		53459 MB
• 霝 COMP_709											

More metrics are available in the menu as well.



\*On this picture, column "data growth" was added by the columns bank icon in order to see the data growth of the specific chosen DB with the IO it requires per second.

#### 13. Wait Stats tab

In this tab, you can see the different wait types and their related information such as Wait

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percentage, tasks etc.



### Queries

In this Tab, you will see the information on live queries running on the system, historic queries and use query analyser.

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#### 1. Live Queries tab

Shown is the queries that are currently running on the system. You can see the information for each session and its session ID, how long the query is running, if the query is blocking others and how many etc

$\equiv$ AimBetter $\overline{\bigtriangledown}$					Queries							© - 🧕 - 🔛	come back, faniele_8@team.com T +22:00)
Search	Q	Live History GAnalyze										🕒 Last 1 day and	Ing 17-09-2020 13:08
28 Sites		⊖ ⊽ Fiter											4286 Rows
· 届 COMP_39		Session	Runtime 🗸	Duration $\checkmark$	Max Duration $\checkmark$	Note	*	Out 8	DB #	400 ¥	Leger B	Command #	Status
COMP_51			17-09-2020 13:05:57	00:00:04	00:00:04			087710-07	system	Priority	10	SELECT	running
圖 COMP_536			17-09-2020 13:05:52	00:00:04	00:00:04			NOVTRE	system	Priority	sageth.	INSERT	suspended
圖 COMP_541			17-09-2020 13:05:16	00:00:00	00:00:00			05.547	system	נופא לביצוע	pain	AWAITING COMMA	sleeping
圖 COMP_544			17-09-2020 13:03:45	00:00:51	00:00:51			PHIME	system	חשבוניות מרכזות	tations	SELECT	suspended
I COMP_546			17-09-2020 13:03:35	00:00:00	00:00:00	23		10.105.202.26	Inforep		prior	UPDATE	suspended
圖 COMP_551			17-09-2020 13:02:07	00:00:01	00:00:01			NUCCHPORTON	CompositAppDB	RunnerMgrExe Mode	Composition	COMMIT TRANSAC	1 suspended
器 COMP_560			17-09-2020 13:00:26	00:00:00	00:00:00			NOVORMO	SharePoint_Config	.Net SqlClient Data F	NOV0125,208438	AWAITING COMMA	t sleeping
层 COMP_571			17-09-2020 13:00:05	00:03:15	00:03:15			NOVERON	master	Microsoft SQL Serve	NOVELDS, DOM: NO	EXECUTE	running
器 COMP_576			17-09-2020 13:00:04	00:00:03	00:00:03			R0481-10-07	system	ס בעת הקלדת משתמש		SELECT	suspended
器 COMP_591			17-09-2020 13:00:02	00:00:05	00:00:05			NOVERO	system	SQL Server Log Ship	N2V2L25,20Mad	BACKUP LOG	suspended
550 COMP_598			17-09-2020 13:00:01	00:00:01	00:00:01			NO10811	model	SQLAgent - TSQL Jo	NOVOLDS, 20Marg	SELECT	running
			17-09-2020 13:00:01	00:00:06	00:00:06			NOVERO	system	Microsoft SQL Serve	101-0	SELECT	suspended
品 COMP_602			17-09-2020 13:00:00	00:00:07	00:00:07			THUR OF	system	תפריט, דו"ח, פרוצדורה	-	SELECT	suspended
協 COMP_66			17-09-2020 13:00:00	00:00:07	00:00:07			NOVORIT	master	SQLAgent - TSQL Jo	N2V2L25.20Mad	SELECT	running
BB COMP_79			17-09-2020 12:59:27	00:00:49	00:00:49				carefi		101-01	SELECT	running
			17-09-2020 12:59:23	00:03:03	00:03:03	20		Cited entrol territory		· 5	NOV03215,208-01	INSERT	running
		ALL NUMBER DEMOTIO	12-09-2020 12-59-04	00:00:17	00-00-17	P-9		CONTRACT AND IN			security in Armstein	INCEDT	running

You can click on any of the queries and it will open a window with additional information about that query and its SQL script, like in the example below:

■ AimBetter				Queries									9	Velcome back, 4 daniele_8@tear GMT =02:00)
Search C	Live History QAnalyze												🕑 Lent 1 day i	nding 17-09-2020 1
II Sites	⊖ 7 Fiter													4286 Po
E COMP_39	dension .	Runtime 🗸	Duration ~	Max Duration 🗸	Note	Ŧ	Client	×	DB ¥	App #	Login	* Comm	and #	Status
0010 51	() Made (271)	17-09-2020 13:03:45	00:00:51	00:00:51			PHIMA		system	חשבוניות מרכזות	10103	SELEC	т	suspende
COMP_51	A mat on	17-09-2020 13:03:35	00:00:00	00:00:00	24		10.100.202	-	Inforep		and a	UPDA	TE	suspend
COMP_536	0				00									
COMP_541	<ol> <li>Compositione - (51)</li> </ol>	17-09-2020 13:02:07	00:00:01	00:00:01			MOVCOMP.	COLUMN T	CompositAppDB	RunnerMgrExe M	odi.	COM	AIT TRANSA	C1 suspend
COMP.544	() NOVELER, DOM SPHERE (7.	17-09-2020 13:00:26	00:00:00	00:00:00			NO-CRAD		SharePoint_Config	Net SqlClient Da	a F NOVOLDE, DO	AWAI	TING COMM	At sleeping
0010 846	A MINTADA JOMANDON - 000	17-09-2020 13:00:05	00:03:15	00:03:15			NOVERGE		master	Microsoft SQL Se	we wownunk.ow	EXEC	UTE	running
COMP_346	A													
COMP_500	SQL Last Execute													
COMP_576									Client Pr	ocess: Login : tabula	חטוביות מרכזות י			
COMP 591	EP1 BIGINT								Session		tabula - (3	21) Stat	us	suspend
	)								Runtime		17-09-2020 13:0	thre	ads	
COMP_598	SELECT prmup.dbo.NOV AS400IN	VLOG.LINE							Duration		00:00	Bloc	ks	
COMP_599	, prmup.dbo.FNCITEMS.	FNCTRANS							App		וניות מרכזות	ope	n Tran	
COMP 602	FROM prmup.dbo.NOV_AS400INU	OG							Instance		SERVER_3	391 CPU		49 :
	INNER JOIN preup.dbo.FNCITEP	5 ON (prmup.dbo.FNCIT EMS.ENCTRANS = prmup.	EMS.GL > (P1 dbo.NOV AS40	) ATAVLOG, ENCTRANS					DB		sys	em Disk	1/0	1
COMP_66	INNER JOIN prmup.dbo.INVOICE	S ON (prmup.dbo.INVOI	CES.IV = prm	up.dbo.NOV_AS400	INVLOG. IV)				Client		Photo	Terr	рDB	868
COMP_79	INNER JOIN prmup.dbo.CUSTOME WHERE (prmup.dbo.CUSTOMERS.4	RS ON (prmup.dbo.CUST CCOUNT = prmup.dbo.FN	OMERS.CUST =	prmup.dbo.INV0I NT)	CES.CUST)				Wait		Parallel	Terr	pDB Log	
	AND prmup.dbo.FNCITE	MS.FNCTRANS NOT IN (							Comma	nd	SEL	DB L	.09	
	SELECT prmup FROM prmup.d MHERE (prmup	.dbo.FNCITEMS.FNCTRAN bo.FNCITEMS .dbo.FNCITEMS.GL = -	(8P2))					Сору	Transac	tion Isolation	read uncommi	ted Clier Proc	nt Logir cess	: tabula -> n

You have the ability to copy the SQL script in order to analyse it and you also have the option to open and see the execution plan for the query.

#### 2. History tab

This will give you the option to look for queries that have stopped running or finished their running cycle.

In addition to that, you can also narrow the search by time span by clicking the top right

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corner clock.

#### 3. QAnalyzer tab

This tab shows the queries that ran in the past 5 minutes (set as default - this can be changed by clicking the top right clock).

It summarizes the queries that have run on the server, how many queries, how many times the query was executed and how long was its duration.

You can drill down to see the SQL script, the execution plan and its performance, just by selecting the query you want to analyse.

You can also filter by different preferences what you want to analyse like recommended index, plan improvement, execution count etc.



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### **Observer Tab**

This tab groups different categories:- Event log, DB Backup, Deadlocks and Change Tracking.

On the main view of this tab, all the categories are represented in a graphical form while clicking either the left side menu or the menu above will redirect you to the individual category and the information it contains.

When you look on the left menu, you can see that some of the categories have a small triangle which means that when pressing it, the tab will expand to show further information:



On the next tabs you will notice that there are two Review Options:

List with graphical timeline and events summed into one line when this icon is selected.

• 🖓

A textual list that orders all events by category when this icon is selected

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#### 1. Event log tab

Both SQL Activity and OS Activity tabs will redirect you to the Event Log tab, where you can find events that happened on either the OS level or the SQL level. These can be filtered as well to see each event by OS or SQL:

$\equiv$ AimBetter $\overline{rac{d}{d}}$				Home Perfo	rmance	Queries Observer Con	nections				ə- 🧕	Welcome back, - Hi daniele_B@team.com (0MT+02.00)
Search	0	Overview Event Log	DB BackUp DeadLock	Change Tracking							🕒 Last 1 d	layending 15-09-2020 13:54 🌱
BB Sites		⊖ 7 Filter				ab	2					387 Rows
→		Instance	Category 🛩	Total Events 🛩	Ratio 🗸	Events						_
→ 🗟 COMP_362		SERVER_4626 COMP_424	Database Exception	2857 / 4315	66%	150 0 14 15 16 17	18 19 20 21	22 23 0 1	2 3 4	5 6 7	8 9 10	11 12 13
→		Del Tru		21.12								Durint
> 器 COMP_377		Date i me 🔍	Source	Event								Repeat
> 60 COMP_385												2
→		Error message: (n	umber - 3202, severity	16, repeat - 0)								ciose X
> 📅 COMP_391		Write on "X:\SQLBac	kup\Adam_BU\Adam_BU_b	ackup 2020_09_15_134501_3163086.tr	r failed: 21(The	device is not ready.)						
→ 000 COMP_402		SQL: (Username - Cli	PDOM\Dbadmin, AppNet	SqlClient Data Provider, Host - )								
> 🛱 COMP_413												
> 60 COMP_424		WITH NOFORMAT	am_BUJ TO DISK									
> 60 COMP_432		,NAME	N'Adam_BU_backup	2020_09_15_134501_3163086'								
> 📅 COMP_436		, REWIN	D DAD									
> 000 COMP_437		,STATS	- 10									
												Сору

\*On this screen Aimbetter shows the error message that tells you why the command "backup database" has failed.

If you take a look on the first row - Database exception, you can see that in the past 24 hours, approximately 2800 exceptions occurred.

Each event line is clickable and will expand to show more information.

In the screenshot above, you can see that you selected one of the events and the expanded window below. You can see the information for date and time, source of the event, what the event is and, how many times it was repeated in one session.

Upon further clicking one of the event lines, another level of information is revealed, with the error message etc.

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#### 2. DB Backup tab

This section shows the different backup types on the server.

Clicking on each option (full or transaction log) will open a window below with the information about the backups - when they started, ended, type, to which device (Local, network etc.), path and more.

You can also filter by some more options such as device - the backup path type (local,virtual,network or snapshot); type of backup (full, differential or transaction log); days- a specific day of the week; time - range of specific hours; DB name.

$\equiv$ AimBetter $\overline{\times}$	4			Home	Performance	Queries Observer	Web Co	nnections			© - 🧕 -	Welcome back, Hi daniele_B@team.com (0MT +02:00)
Search O	Overview Event Lo	DB BackUp Dead	dLock Change Trac	king							Last 1 day ending 16-09-21	020 10:19 va 15-09-2020 10:19 🗸
BB Sites	⊖ 7 Fitter					2	6 6					2 Rows
- 圆 COMP_209	Device - Local x	Type DB Name	Days Time									× Reset
SERVER_5556	Category ~	Total Events 🛩		Ratio 🛩	Events							
SERVER_5558	Transaction Log		112/120 VS 112/120	93% VS 93%	<sup>6</sup> 0 11 12	13 14 15 16	17 18 19	20 21 22	23 0 1	2 3	4 5 6 7	8 9 10
SERVER_5561	Full		8/120 VS	6% VS 6%	0.000							
SERVER_5632	L				11 12	13 14 15 16	17 18 19	20 21 22	23 0 1	2 3	4 5 6 7	8 9 10
> ## SERVER_5687												8 Rows
SERVER_5773	Time	Backup Start Time 🤸	Backup End Time	e 🗸 Instance 🗸	Backup Type 🗸	Database Recovery	Backup Devices ~	Backup Path	Backup Size 🗸	Position ~	Damaged ~	Compressed ~
► III SERVER_5774	• 21:17	15-09-2020 21:17	15-09-2020 21:17	SERVER_6702	Full	SCEXPERTSYS_B	local	lesibelasipolos.	5.591MB	1	False	False
SERVER_5821	• 21:17	15-09-2020 21:17	15-09-2020 21:17	SERVER_6702	Full	SCEXPERTSYS	local	histowypurputsek.	59.882MB	1	False	False
> ## SERVER_5906	• 21:17	15-09-2020 21:17	15-09-2020 21:17	SERVER_6702	Full	SCEXPERT_BASE_	local	htteliasoutputsise.	8.347MB	1	False	False
▶ 圖 COMP_32	• 21:16	14-09-2020 21:16	14-09-2020 21:16	SERVER_6702	Full	SCEXPERTSYS_B	local	h. uttoriou tputtori	5.591MB	1	False	False
> ᡂ COMP_69	• 21:16	14-09-2020 21:16	14-09-2020 21:16	SERVER_6702	Full	SCEXPERTSYS	local	Intelling output loss.	59.882MB	1	False	False
- 品 COMP_713	• 21:16	14-09-2020 21:16	14-09-2020 21:16	SERVER_6702	Full	SCEXPERT_BASE_	local	trodbattortgattos:	8.347MB	1	False	False
<ul> <li>SERVER_6697</li> <li>SERVER_6698</li> </ul>	• 21:00	14-09-2020 21:00	14-09-2020 21:12	SERVER_6702	Full	SCEXPERT	local	In webshoot out was a	22512.035MB	1	False	False
ERVER_6701	• 21:00	15-09-2020 21:00	15-09-2020 21:11	SERVER_6702	Full	SCEXPERT	local	nadarcovtration.	22668.338MB	1	False	False

#### 3. Deadlock tab

This section presents information about deadlocks on the system.

Deadlock is created in a mode of interoperability between two processes that attempt to perform an update operation (Insert, Update, Delete) on the same object (index, field, record, table) at the same time.

In this mode, the operating system selects one of the processes as Victim and effectively stops it until the second process is completed and releases the resources in its possession for other processes.

You can click the desired event and you will see a window open below with information about the victim (on the left column) and the query that finished its process. (on the right column).

The events are also clickable and will expand further with information:

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$\equiv$ AimBetter $\overline{\bigtriangledown}$	Home Performance Queries Observer Web Connections	© - 🧕 -	Welcome back, Hi daniele_B@team.com (GMT+02:00)
(Search D	Overview Event Log DB Backlip Desktoot Change Tracking	🕒 Last 1 day en	dng 15-09-2020 14:26 ¥
BB Sites			1 Rows
· 霝 COMP_2	Category v Total Events v Ratio v Events		
→ 📅 COMP_37	Desclocks 7/7 1005 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9	10 11 12	2 13 14
- B COMP_4	in the second		
> 🗱 SERVER_5453	DateTime ~ App SQL Login		
> 60 COMP_525	15-09-2020 13:20 Net SqlClient Data Provider PROC [Database Id = 7 Object Id = 802153953]		
> 圖 COMP_6	Page Lock: Galgalim doo WebXP_SupplierReviews		close ×
	Victim spid: 54 spid: 53		
	Loci: Loci: Loci: Loci: Page Loci: Gaigalin dos WebXP_SupplierReviews Page Loci: Gaigalin dos WebXP_SupplierReviews Page Loci: Gaigalin dos WebXP_SupplierReviews		
	Drialiti Login upgularingquarer Login hoti Mattime 400 ma Lock mode \$ Status supported Status s		
	Last Statement Successed:    Last Statement Successed:		
	Execution stack: Execution stack: > Last Step > Last Step		

All the information you need to keep track of what is going on in the system.

#### 4. Change Tracking.

On this tab you are able to see informative changes of the server. Change tracking alerts may be about service, software, DB, disk or network changes and more.

For example, if a service that was running on the system until this moment is down (such as tabula task scheduler), you'll get an alert about this change. When it's up again, another alert will be sent. Furthermore, it may be an alert about new disk added, deleting or adding a new database, problem with the DR, new software update or installation, network card changes, etc.

As in other sections, more information is revealed once clicking on the event:

Search	Overview Event Log	DB BackUp DeadLock	Change Tracking																		0	Last	l day ero
Sites	⊖ ⊽ Filter							£b	ß														
COMP 39	Instance	Category ~	Total Events 🗸		Ratio v	Events		_															
COMP_51	SERVER_5457	Services start mode		119/158	75%	120 60 0 13	14 1	5 16	17	18	19 2	0 21	22	23	, 1	2	3	4	5	6	7	8 9	9
COMP_536 COMP_541	SERVER_5457	Softwares name		13/158	8%	12 6 0 13	14 15	16	17	18 1	19 20	21	22 :	23 0	, 1	2	3	4	5	6	7 1	8 9	9
COMP_544 COMP_546	SERVER_5457	Softwares Installation date		11/158	6%	12 6 0 13	14 15	16	17	18 1	19 20	21	22 :	23 0	1	2	3	4	5	6	7 1	8 9	9
COMP_551	SERVER_5457	Services path name		7/158	4%	6 3 0 13	14 15	16	17	18 19	9 20	21	22 2	3 0	1	2	3	4	5	6	7 1		9
COMP_571								Ca.	k														
COMP 501	Change Date 🛩	Description ~								Va	alue 🛩												
OMP_598	16-09-2020 19:47	Service 'Imhosts' start	mode Changed							OI Pr	revious	Auto											
COMP_599	16-09-2020 19:47	Service 'PlugPlay' star	t mode Changed							O. Pr	evious	Auto											
COMP_602	16-09-2020 19:47	Service "uprphost" star	rt mode Changed							Pr	urrent - I revious -	Manual Disable	đ										
COMP_66	16-09-2020 19:47	Service "VSS" start more	de Changed							Ci Pr	evious	Manual Auto											
Count 1/ P	16-09-2020 19:47	Service 'MSSQL\$WIZS	OFT" start mode Chang	ed						Ci Pr	evious	Auto Disable	3										

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### Web Tab

Your web server acts both as the public face of your organization, to allow end users to access the relevant material, and as the channel for in-house users, supporting essential features like email, messaging and so on. In both, accessibility and speed of response is a major factor, so AimBetter tracks and analyses a full range of network metrics to ensure that all material is delivered quickly and intact. Empower your web with full NOC control via AimBetter's extensive range of measurements and alerts.

In this page, you are able to see the information of the site:

- Client IP The incoming IP.
- URL Request The page within the site.
- Method in what way the request to the URL was made. POST or GET.
- Duration the time it took to reach the page.
- The status of the request. This is returned with either the "OK" response (200), or the relevant standard error code (e.g. 400 Bad request, 404 Not found, 500 Internal server error etc.)

$\equiv \mu$	AimBetter∀		Home	Performance	Queries	Observer	Web	Connections	© - 🧕 -	Welcome back, Hi daniele_B@team.com (GMT+02:00)
Searc O	Live History								🕒 Last 1 day	ending 21-09-2020 17:38 🌱
BB Sit	⊖ ⊽ Filter									216 Rows
→ III CC	Duration > 5 sec ×	Status								× Reset
-	Client IP 🗸	Url 🗸	Method 、	<ul> <li>Start</li> </ul>	Time 🗸	Duration 🗸	Status 🗸	Host 🗸	Web Site 🗸	Server Ip 🗸
▶ 000 CC	الم 192.168.5	/wcf/wcf/Service.svc	POST	21-0	9-2020 09:17	7 sec	200 OK	SERVER_6733	kp printenclosult.	192.168.3.182
≻ III CC	الم 172.18.2.12	/wcf/wcf/Service.svc	POST	21-0	9-2020 09:16	7 sec	200 OK	SERVER_6733	ka pri http://casit.	192.168.3.182
> III CC	الم 192.168.3	/wcf/wcf/Service.svc	POST	21-0	9-2020 09:16	8 sec	200 OK	SERVER_6733	ka pri-teral lawel.	192.168.3.182
	الم 10.238.21	/wcf/wcf/Service.svc	POST	21-0	9-2020 09:15	6 sec	200 OK	SERVER_6733	ka pri html impet.	192.168.3.182
	المحققة 172.18.2.12	/wcf/wcf/Service.svc	POST	21-0	9-2020 09:15	13 sec	200 OK	SERVER_6733	kp printed legal.	192.168.3.182
	(آن العربي المحافظ المحاف	/wcf/wcf/Service.svc	POST	21-0	9-2020 09:14	6 sec	200 OK	SERVER_6733	to prime level.	192.168.3.182
	الم 192.168.3	/wcf/wcf/Service.svc	POST	21-0	9-2020 09:13	7 sec	200 OK	SERVER_6733	kg-pi-html.inget.	192.168.3.182
	الله 192.168.3	/wcf/wcf/Service.svc	POST	21-0	9-2020 09:13	9 sec	200 OK	SERVER_6733	ke privatel least.	192.168.3.182
		/wcf/wcf/Service.svc	POST	21-0	9-2020 09:12	2 min	200 OK	SERVER_6733	ka printeni kravit.	192.168.3.182

\*This picture has a filter by duration showing all url requests that took more than 5 seconds to complete.

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$\equiv$	AimBetter∀	Н	ome Performance	e Queries	Observer	Web Connections	0	Welcome back, Hi daniele_B@to (GMT +02:00)	eam.com
Searc C	Live History						(	Last 1 day ending 21-09-2020 1	7:39 💙
BB S	it 🖒 🎖 Filter							9 Ro	ws
> 🖬 C	Status = 500 Internal Server	Error × Duration sec						×F	leset
	Client IP 🗸	Url 🗸	Method 🗸	Start Time 🗸	Duration 🗸	Status 🗸	Host 🗸	Web Site 🗸	Ser
► 000 C	192.168.5.107	/wcf/wcf/Service.svc	POST	21-09-2020 09:08	2 sec	500 Internal Server Error	SERVER_6733	ka pri html kravita co A	1
> C	c آن 192.168.5.107	/wcf/wcf/Service.svc	POST	21-09-2020 09:08	2 sec	500 Internal Server Error	SERVER_6733	ka pri html kravita co il	1
⊦ C	192.168.125.241	/wcf/wcf/Service.svc	POST	21-09-2020 08:44	sec	500 Internal Server Error	SERVER_6733	ka pri-Mend Anavita, co. il	1
	192.168.3.104	/wcf/wcf/Service.svc	POST	21-09-2020 08:44	1 sec	500 Internal Server Error	SERVER_6733	ka pri html kravita co A	1
	192.168.3.104	/wcf/wcf/Service.svc	POST	21-09-2020 08:44	1 sec	500 Internal Server Error	SERVER_6733	ka pri html kravita co il	1
	192.168.100.128	/wcf/wcf/Service.svc	POST	21-09-2020 08:41	1 min	500 Internal Server Error	SERVER_6733	ka pri-html kravita co.d	1
	192.168.20.121	/wcf/wcf/Service.svc	POST	21-09-2020 08:18	3 sec	500 Internal Server Error	SERVER_6733	ka pri html. kravita. co. il	1
	192.168.20.121	/wcf/wcf/Service.svc	POST	21-09-2020 08:18	2 sec	500 Internal Server Error	SERVER_6733	kg pri-html.kravitg.co.il	1
	الم 192.168.20.121	/wcf/wcf/Service.svc	POST	21-09-2020 08:18	3 sec	500 Internal Server Error	SERVER_6733	ka pri html kravita co A	1

\*This picture has a filter by return code. The most critical returned code is 500, which describes an unsuccessful attempt to access a website. Because it may indicate internal server error, it should be treated immediately.

There are two additional tabs of the IIS monitoring part:

#### APP pools

You can enter this tab on the performance tab.

This tab shows data about the application pools' state and usage of OS features. The usage of these features will be shown if the consumption is effective and can be problematic. If so, you'll see number-valued data and graphs of the CPU usage, memory usage and pagefile usage. We can see this on the pictures attached below:

$\equiv$ AimBetter $rac{1}{2}$	Home	Performance Queries	Observer Web	Connections	© · 🧕 ·	Welcome back, Hi daniele_B@team.com (GMT+02:00)
Search D	Windows Azure Databases Azure	Managed AWS MSSQL	lis			
* 00 COMP_32	< Process Imag	es Analyze Mi	SSQL DB V	Wait Stats Web Server	App Pools	WebSites >
> 品 COMP_47	State 🗸 Total App Recy	cles 🗸 Uptime 🗸	Process ~	CPU 🗸	Memory	¥
> too COMP_69	Running	0.000 719831 byte	wЗwp		0%	203.51 MB
› ᡂ COMP_713		0.000 719831 byte	w3wp#3			_
→ 65 COMP_716	Runnina	0.000 719831 bvte				
> 📾 COMP_717						
> ₩ COMP_718	SERVER_6790 / APPPools / Co	ollectors			Last 1 day ending 21-0	9-2020 17:33
→ 60 COMP_720	cpu Avg Min	Max Hide × mem	ory Avg Min Max	Hide × pagingfile	Avg Min Max	Hide x
> ₩ COMP_727						
• 🐻 COMP_731	100 % 80 %	250 MB 200 MB		300 MB 250 MB		_
> ₩ COMP_733	60 % 40 %	150 MB 100 MB		200 MB 150 MB		
▶ 霝 COMP_87	20 % 0 % s Sep 21 07:23 Sep 2	50 MB 0 MB 1 13:03 Sep 2	1 07:23 Sep 21 13:03	50 MB 0 MB Sep 21 07:23	Sep 21 13:03	

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<u>WebSites</u>

You can enter this tab on the performance tab.

On this tab you're able to see the active websites on the app pools and all data you can get about it. We have data about current connections to the website, get requests per second, post requests per second, and more.

$\equiv$ AimBetter $\overline{begin{displaystyle}{l} \exists f \in \mathcal{A} \ f$		Home Perforr	nance Queries Obser	ver Web Connec	tions 🔘 -	Welcome back, Hi daniele_B@team.com (GMT +02:00)
Search D	Windows Azure Datab	ases Azure Managed	AWS MSSQL IIS			
F 000 GOIVIE_32	< Process	Images	Analyze MSSQL	DB Wait Stats	Web Server App F	Pools WebSites >
COMP_47	Web Site 🗸	App pool 🗸	Current Connections 🗸	Get Requests/Sec 🐱	Post Requests/Sec 🗸	Bytes Received/Sec 🐱
> ₩ COMP_69	Collectors	Collectors	2.000	0.000	0.000	0.000
▶ 550 COMP_713	Default Web Site	DefaultAppPool	0.000	0.000	0.000	0.000
▶ 霝 COMP_716			4.888		e ene	
▶ 600 COMP_717	SERVER_6790 / V	VebSites / Collectors			Last 1	1 day ending 21-09-2020 17:44
▶ 📅 COMP_718						(10000000000000000000000000000000000000
▶ 📅 COMP_720	currentconnec	tions	Avg N	lin Max		
▶ 📅 COMP_727	14					
▶ 000 COMP_731	12 10 8			$\wedge \wedge \wedge$	Ja a Mm a	Add Graph
▶ 📾 COMP_733	6 4 2			Man		
► 555 COMP_87	0 Sep 20 17:44	Sep 20 2	3:24 Sep 21 05	:04 Sep 21 1	0:44 Sep 21 10	6:24

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### Connections

Our most advanced new feature checks the state of connectivity to physical and logical elements inside your organization such as files, networks, websites and databases. As well, it monitors connections to external services such as credit card payment sites or PayPal and external storage devices, blockchain services and all the other pieces that integrate your enterprise into the wider world.

The choice of which connectivity measures you wish to use is flexible, determined by your own needs. You provide bundles of 50 specific targets of your own choosing. AimBetter displays all this information on the central dashboard along with all the other metrics.

$\equiv$ AimBetter $\overline{\mathbb{N}}$		Home Pe	rformance (	Queries Observer	Web Connection	ons	© - 🌘	Welcome back, Hi daniele_B@team.com (GMT+02:00)
Search D	Connection							
BB Sites	Files	/eb DB Connectio	in Ping	Query				
COMP_599	C							50 Rows
	Name 🗸	Path ~	Туре 🛩	Duration (ms) ~	Size 🛩	Folders 🗸	Files ~	Notes ~
* 100 UUMP_00	Reput/Mydata	\\/iapps02\cDMyd	file	0 ms	62867 KB			
	Kapps06Mydata	\\Japps12\cDMyd.	file	0 ms	62867 KB			
	Repol/2Mydata	\ulappel2cDMyd	file	21.99 ms	62867 KB			
	RepsOBAydata	\ulappsOBcDMyd	file	18 ms	62867 KB			
	Republikkydata	\ulappsDPic@Myd.	file	19 ms	62867 KB			
	Reps12Mydata	\\Japps12cDMyd	file	21.01 ms	62867 KB			
	Reps14Mydata	\uliqps14cDMyd	file	42 ms	62867 KB			
	Sappat/Mydata	VJappstPicDMyd.,	file	22 ms	62867 KB			
	Rohlydata	Valbolic@Mydata	file	31.98 ms	62867 KB			
	(brinksMydata	\ubrinks\cDMyda.	file	31.98 ms	62867 KB			Ink Workspace

\*The file connection type, as shown on this picture, has a real-time alert when you may be under a **crypto attack** by all platforms possible: a phone call, an alert on Aimbetter's website and application push, and also a direct email.