

Real Time Problems Solving

Shortens the Time for IT Systems Secure & Smooth Operation



SAP Business One



SAP Issues

**Poor Performance / Downtime / Abnormal Behavior
Data Loss / Security Threats / Database**

What's wrong with the Systems?

Hardware? Operating System? Applications?
Database? Network? Code? User behavior?

Who is responsible for fixing it?

Systems Manager? Database Administrator?
Database Architect? Application Team? Security Manager?

How to quickly figure out the root cause? How to get solving recommendations?

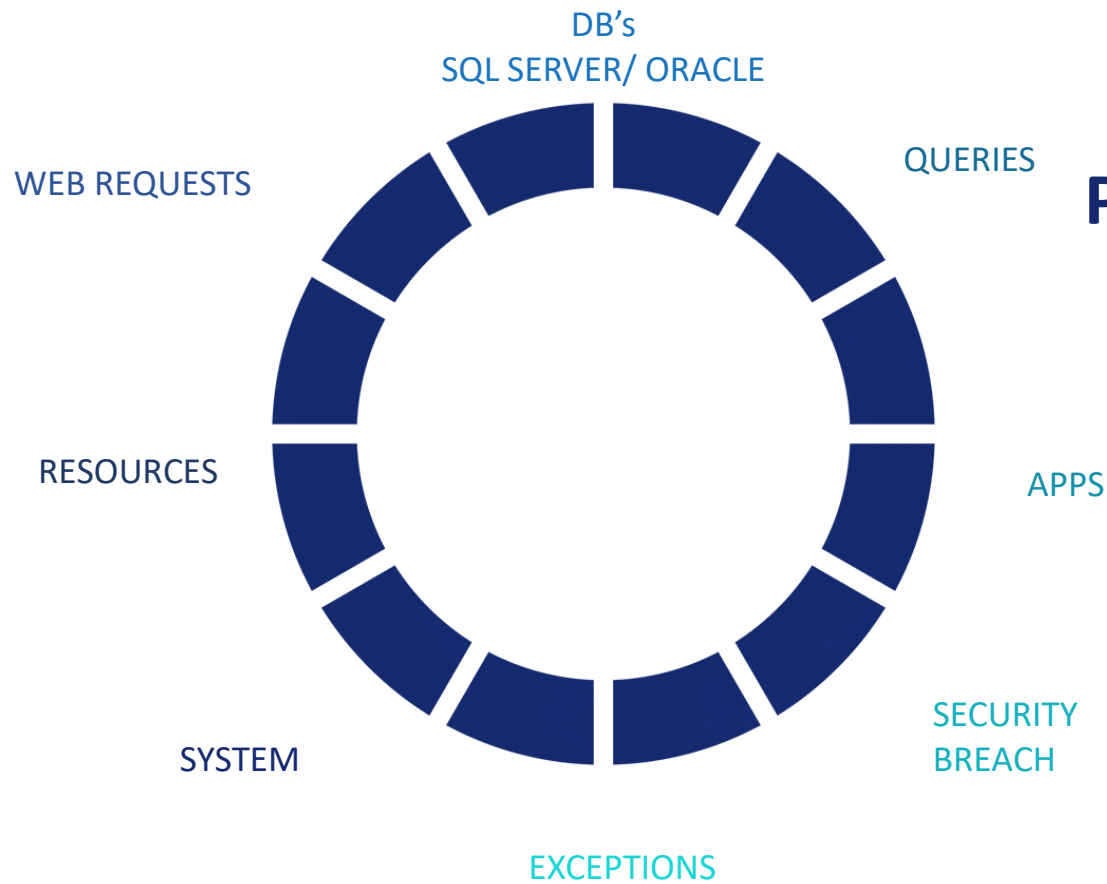
IT Service Provider's Pain

Without AimBetter, these are some actions to consider:

- 1 Checking services and active processes
- 2 Checking logs of the operating system and software
- 3 Removing recent software or operating system updates
- 4 Restarting the server or application
- 5 Updating software, operating system, and database
- 6 Increasing CPU, memory, and disk I/O resources
- 7 Establishing a separate physical storage system for critical systems
- 8 Upgrading or replacing network components
- 9 Removing redundant software and system security components
- 10 Reinstalling the operating system or software
- Upgrading the operating system, software, or database engine

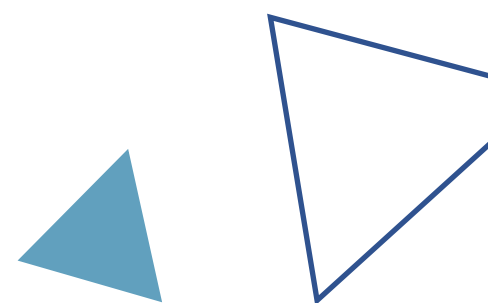
Hours & Days of Investigations With Dubious Results

AimBetter RTPS Platform for SAP Performance Improvement



24/7 Real-Time Problem Solving
Pinpoints the root-cause in real-time 

**Immediately identifies
What needs to be fixed
and provides
Actionable recommendations
to do it!**



Trusted by 770+ Companies

AHAVA

BRINKS

NETAFIM

Manufacturing
& Logistic

priority

Verifone

AIRLINE CHOICE

ISV

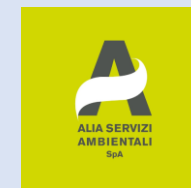
H&M

sodexo

BURGER KING

Retail &
Food

HADASSAH
UNIVERSITY
MEDICAL
CENTER



Healthcare
& Gov

amazon

monday.com

fiverr.

Unicorn

“AimBetter has several edges, one of which is that you don’t have to be a DBA or SAP Basis to solve problems.”

by Dan Shisman, **IT Infrastructure**
Manager at Diplomat.



Testimonial – SAP Business One Client



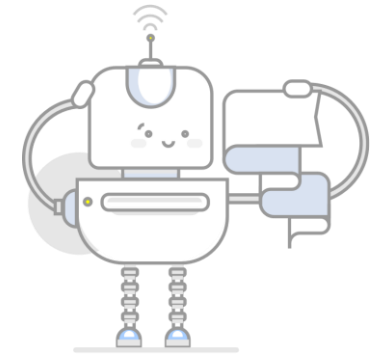
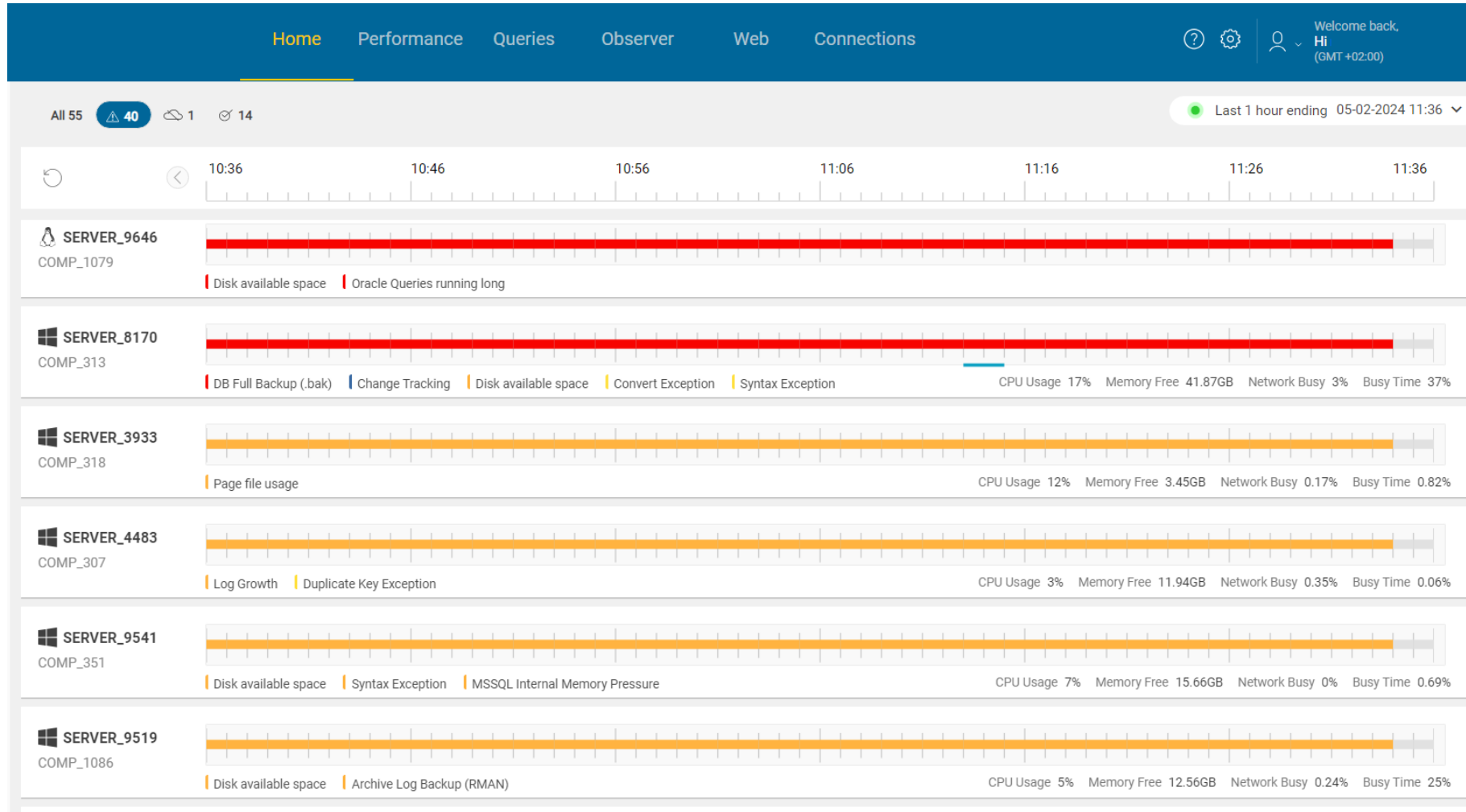
“We had an improvement of 50% in our SAP B1 performance, while adding applications on top of it.

by Nevo Sharabi, **CIO** at Metro Motor.



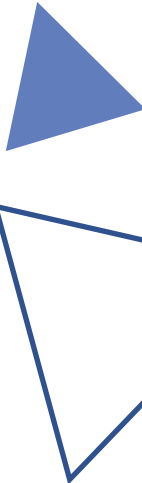
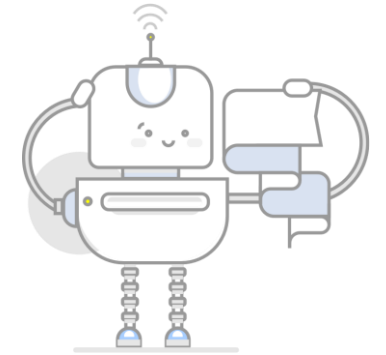
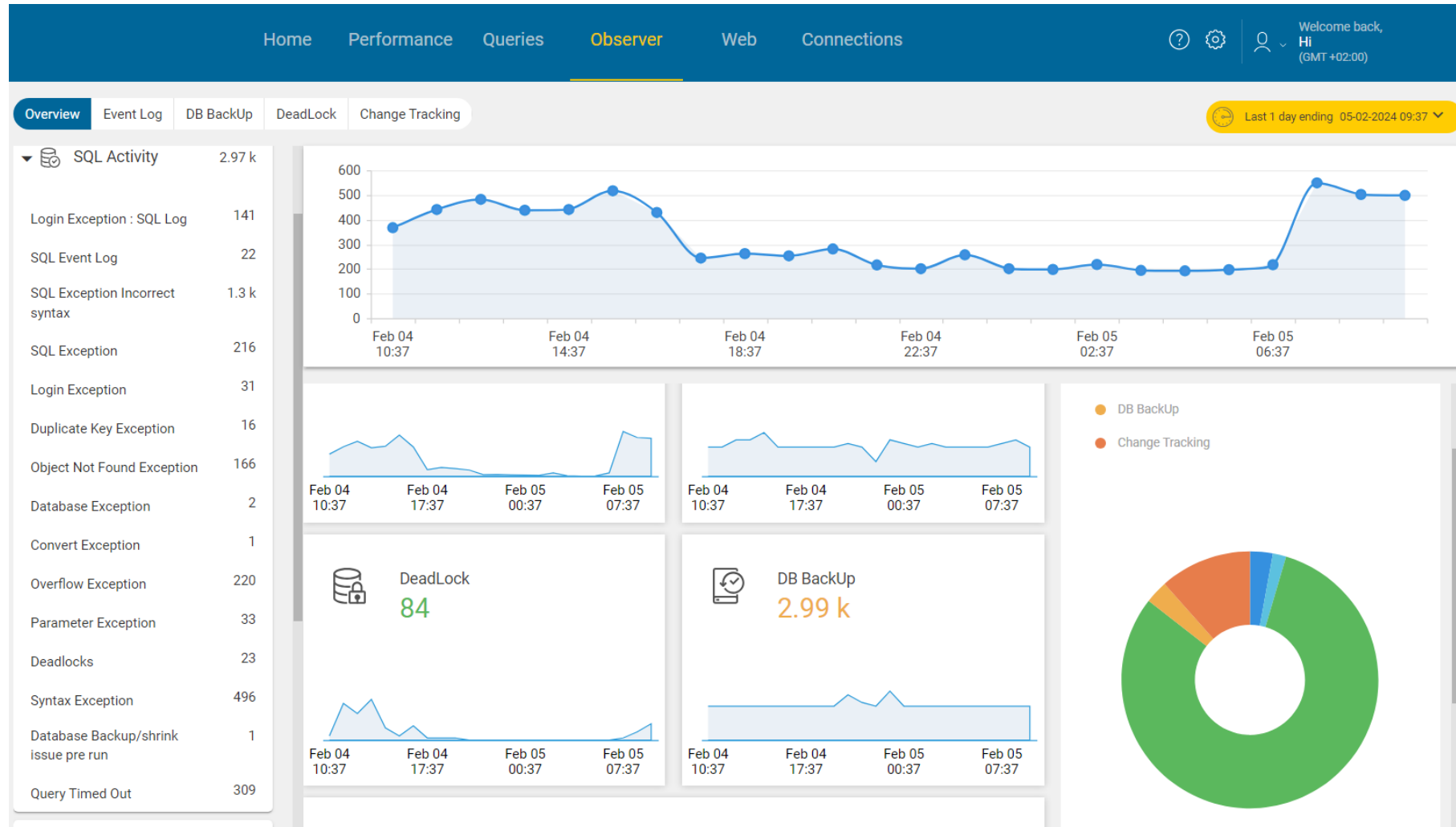
Proactive MSP

- Real-time control and understanding of multiple servers and customers issues and activities in a glance



Use Case - SAP B1 Client

- Enable easy tracking of all events such as code errors, bugs in applications, user behavior, maintenance, and changes.



Use Case - SAP B1 Client

- Jump to each error in a **click** to understand from which user, application and client it came from, catching **DATA LOSS issues** easily.

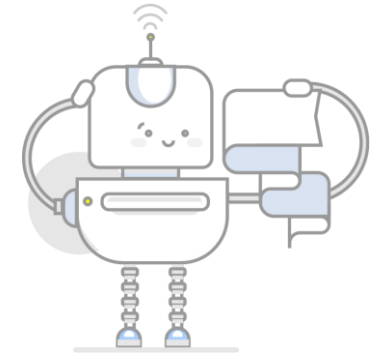
The screenshot displays the AimBetter Observer interface. The top navigation bar includes Home, Performance, Queries, **Observer**, Web, and Connections. The user is logged in as 'Hi' with a 'Welcome back' message. The main area shows the 'Event Log' tab selected, with a filter for 'SQL Exception Incorrect syntax'. A bar chart shows the frequency of these events over time, with a peak at 07:00 on Monday. Below the chart is a table of events:

DateTime	Source	Event	Repeat
05-02-2024 09:36	tro81Prod	Column '@XIS_JCSERIALNUMBERS.Code' is invalid in the select list because it is not contained in either an aggregate function or the GROUP BY clause.	2

An error message dialog is open, showing the message: "Error message: (number - 8120, severity - 16, repeat - 2)". The message text is: "Column '@XIS_JCSERIALNUMBERS.Code' is invalid in the select list because it is not contained in either an aggregate function or the GROUP BY clause." Below the message, the SQL context is provided: "SQL: (Username - B1_4D6574726F383150726F64_RW, App - AUTOMOTIVE, Host - MM549, Process Id: 4624)". The SQL query is:

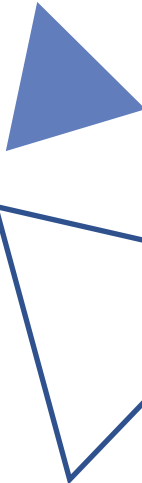
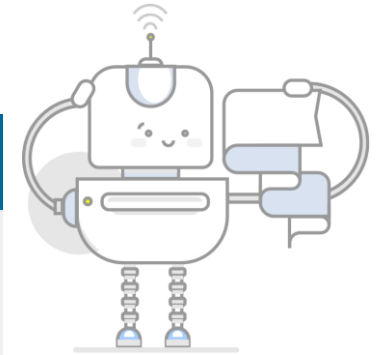
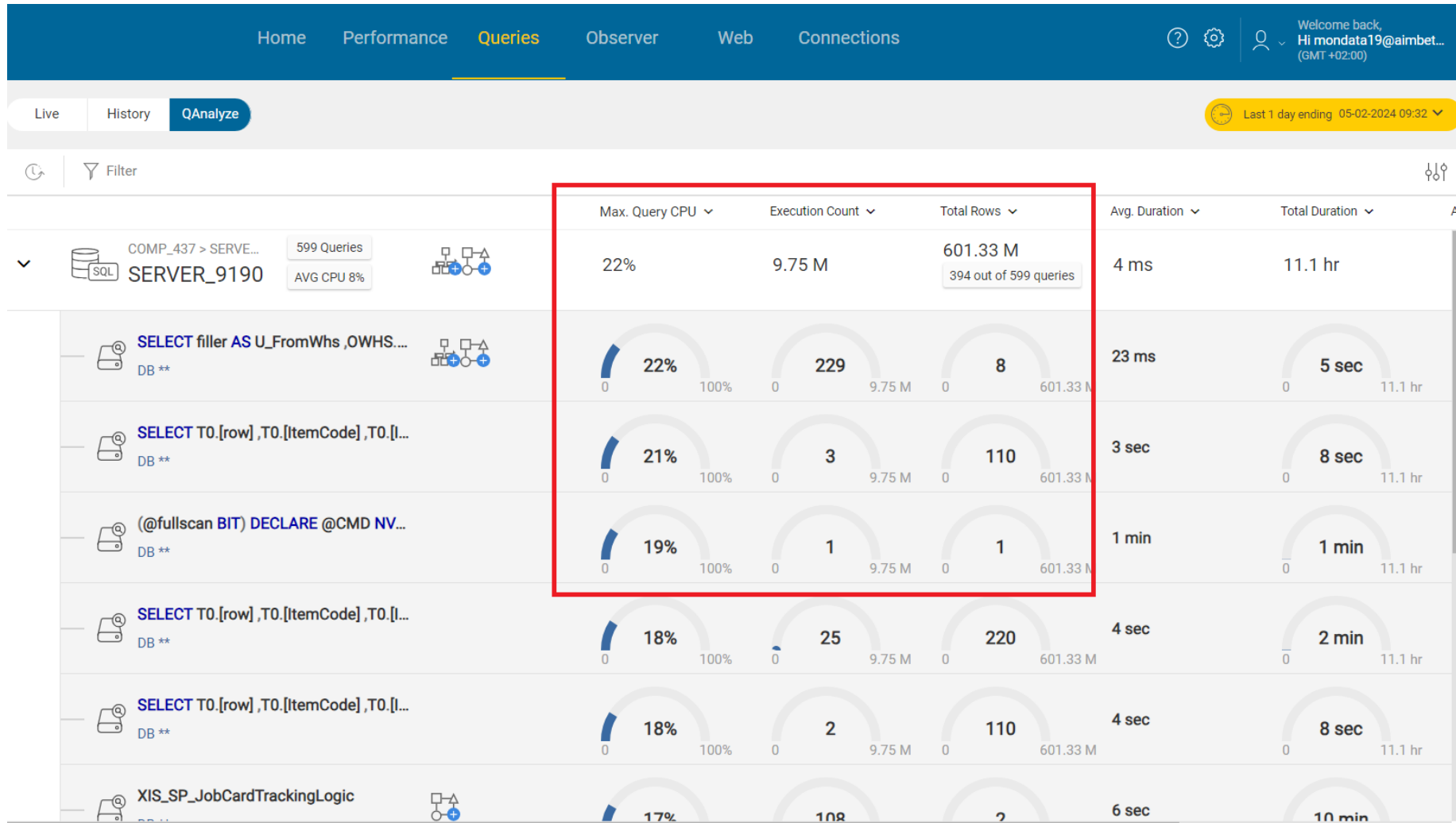
```
SELECT T1.U_ItemCode
      ,T1.U_SerialNo
      ,T1.U_DocNum
      ,[T0].Code AS 'KEY_Code'
FROM [@XIS_JCSERIALNUMBERS] T0
INNER JOIN [@XIS_JCSERIALNUMBERS] T1 ON T0.U_ItemCode = T1.U_ItemCode
AND T0.U_SysSr1 = T1.U_SysSr1
AND T0.U_SerialNo = T1.U_SerialNo
```

A 'Copy' button is visible at the bottom right of the SQL query area.



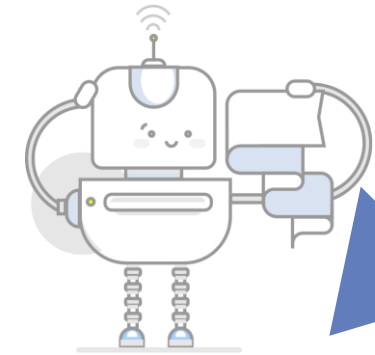
Use Case - SAP B1 Client

- Instantly analyzes millions of queries and identifies the most resource-consuming saving hours of DBA's time.



Use Case - SAP B1 Client

- Identify bottlenecks: see queries running in real-time with details about the client's process and improvement recommendations.



Home Performance **Queries** Observer Web Connections

Welcome back, **Hir** (GMT +02:00)

Live **History** QAnalyze Last 1 hour ending 05-02-2024 13:26

Filter 96 Rows

Session Type = Blocked x Missing Index Plan Improve Max Duration Query Hash/ID Disk I/O CPU OS user (Oracle only) Queries Wait Stats Query alerts Reset Save

Session	Start Time	Duration	Max Duration	Note	Blocks	Open Tran	Client	DB	App
B1_4D6574726F383150726F6...	05-02-2024 13:13	00:00:09	00:00:09		2	1	MM656	MProd	SAP Business One
B1_4D6574726F38315072...	05-02-2024 13:13	00:00:05				1	MM767	MProd	SAP Business One
B1_4D6574726F38315...	05-02-2024 13:13	00:00:05				1	MM413	MProd	SAP Business One
B1_4D6574726F383150726F6...	05-02-2024 12:31	00:00:09	00:00:09		1	0	MSAPAPPS	MProd	Apache HTTP Server

SQL

```
(
  @P1 CHAR(1)
  ,@P2 NUMERIC(25, 6)
  ,@P3 NUMERIC(25, 6)
  ,@P4 NUMERIC(25, 6)
  ,@P5 NUMERIC(25, 6)
  ,@P6 NUMERIC(25, 6)
  ,@P7 NUMERIC(25, 6)
  ,@P8 INT
  ,@P9 SMALLINT
)
```

UPDATE T0
 SET T0.[Status] = @P1
 ,T0.[PaidToDate] = @P2

Copy

Session	B1_4D6574726F383150...	Status	inactive
Runtime	05-02-2024 13:13	Threads	1
Duration	00:00:09	Blocks	2
Query Hash/ID	0x010030002078AE056...	Open Tran	1
App	SAP Business One	CPU	9 min
Process Id	10520	Disk I/O	1.5 GB
Instance	METROSAP10	TempDB	0
DB	Metro81Prod	TempDB Log	0
Client	MM656	DB Log	0
Command	CONDITIONAL	Wait	MEMORY_ALLO...
Transaction			

Use Case - SAP Client

- Detects application activities like antivirus and cyber programs that are blocking the Database system (Not a DBA issue!)

The screenshot displays the AimBetter monitoring interface. At the top, there are navigation tabs: Home, Performance, Queries, Observer, Web, and Connections. The 'Queries' tab is active. Below the navigation, there are buttons for 'Live', 'History', and 'QAnalyze'. A filter icon and '54 Rows' are also visible. The main table shows session details:

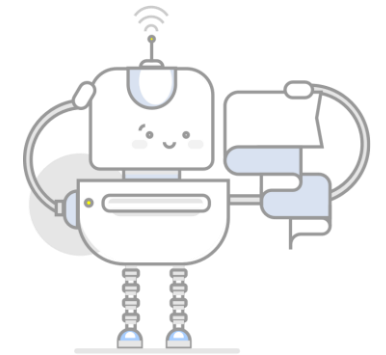
Session	Start Time	Duration	Max Duration	Note	Blocks	Open Tran	Client	DB	App	Process Id	Login
prd - (1881)	01-05-2023 14:01	00:00:16	00:00:16	⚠	0	1	DILECC-PRD1	tempdb	R3B49 comm rd ODBC	712	prd
prd - (1865)	01-05-2023 13:48	00:00:14	00:00:14	🔍	0	1	DILECC-PRD1	tempdb	R3B49 comm rd ODBC		

Below the table, there is a 'SQL' section with the text 'Last Execute'. The SQL query is:

```
(@P1 nvarchar(32),  
@P2 nvarchar(8))  
SELECT TOP ( 1 )  
"JOBNAME",  
"JOBCOUNT",  
"JOBCROUP",  
"INTREPORT",  
"STEPCOUNT",  
"SDLSTRIDI",  
"SDLSTRITM",  
"BTCSYSTEM",  
"SDLDATE",  
"SDLTIME",  
"SDLUNAME",  
"LASTCHDATE",  
"LASTCHTIME",  
"LASTCHNAME",  
  
FROM "TBICO" WHERE "JOBNAME" = @P1 AND "JOBCOUNT" = @P2  
  
/* R3:RSBICRTE:1099 T:TBICO M:400 */
```

On the right side, a detailed view of the process is shown. A warning icon is present next to the process name: (MsMpEng.exe) Microsoft Security Essentials Anti-virus. The process details are as follows:

Session	SAPSRV	Status	suspended
Runtime	01-05-2023 14:01	Threads	2
Duration	00:00:16	Blocks	0
Query Hash/ID	0x020000003BDE6715F4E1...	Open Tran	1
App	R3B49 comm rd ODBC	CPU	24 sec
Process Id	712	Disk I/O	32 KB
Instance	SAPSRV	TempDB	0
DB	tempdb	TempDB Log	0
Client	DILECC-PRD1	DB Log	0
Command	SELECT	Wait	PAGEIOLATCH_EX
Transaction Isolation	repeatable		



Additional Capabilities

- Web-activities real-time analysis, bringing insights from the web applications interactions with the DB

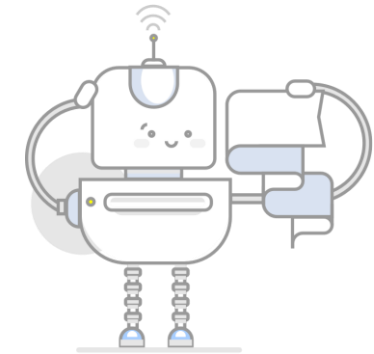
The screenshot displays the 'Web' section of the AimBetter interface. At the top, there are navigation tabs: Home, Performance, Queries, Observer, **Web**, and Connections. A user profile dropdown shows 'Welcome back, Hi myuser@aimbetter...' and '(GMT +02:00)'. Below the navigation, there are buttons for 'Live' and 'History', and a date range selector for 'Last 1 day ending 20-12-2023 11:40'. A filter bar shows 'DB Call = Exists' and 'Duration' and 'Status' filters. A table lists web activities with columns: Client IP, Url, Method, Start Time, Duration, DB Duration, Status, Web Site, Server Ip, Port, and Response. One row is highlighted in yellow.

Client IP	Url	Method	Start Time	Duration	DB Duration	Status	Web Site	Server Ip	Port	Response
client_ip**	/MAIN URL/SUB ...	POST	20-12-2023 04:30	32 sec	31 sec	200 OK	website**	server_ip**	443	62.9 KB

Below the table, a detailed view of a request is shown. It includes a timeline on the left with 'Request Start', 'SQL mondata04 30.635 sec', 'SQL montarget 0.000 sec', and 'Request End 200 OK 32 sec'. The main area shows the SQL statement and a metadata table.

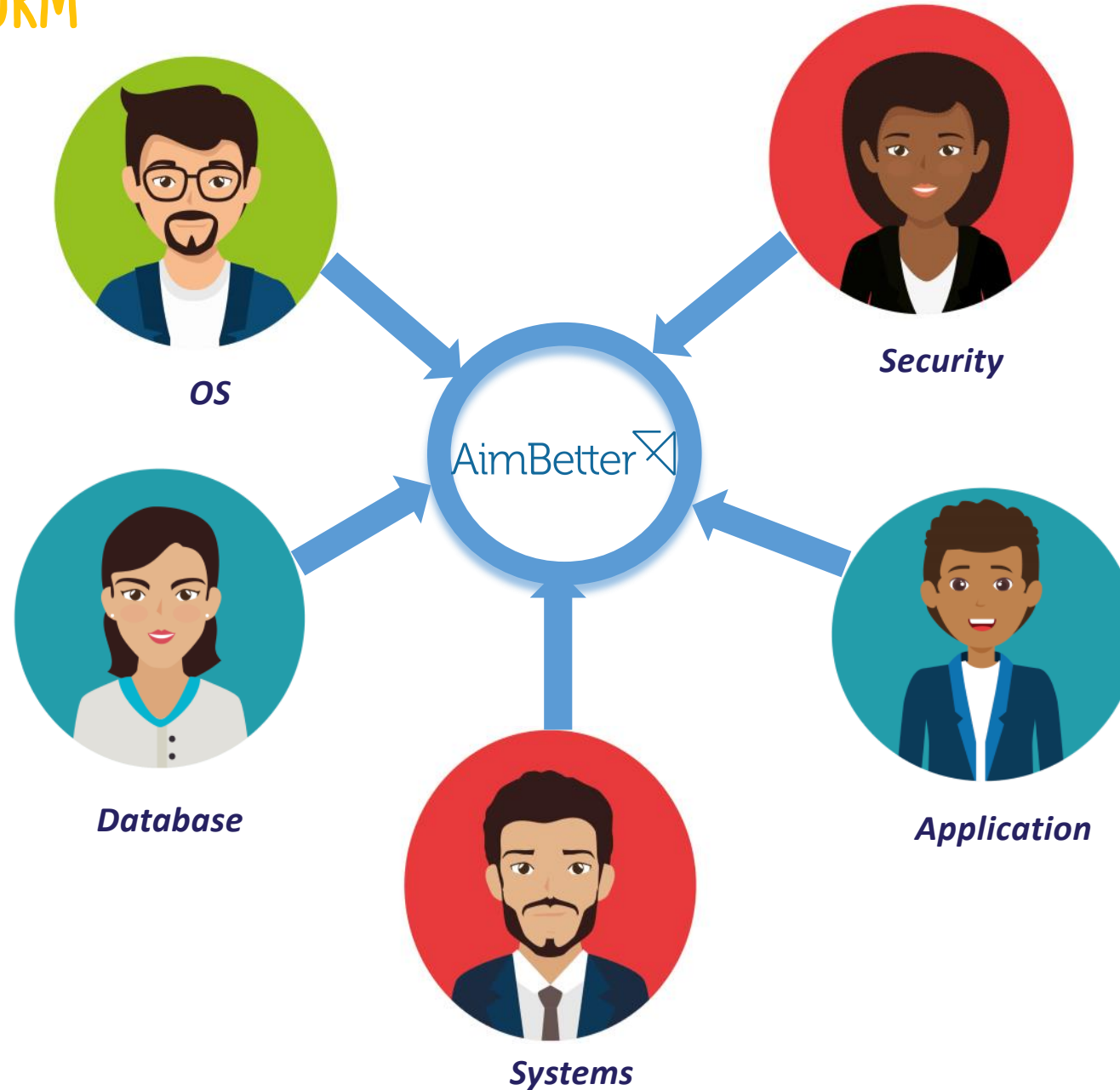
```
SQL Statement:
SELECT CASE LEN(STATIONID)
  WHEN 1
    THEN '00' + CAST(STATIONID AS NVARCHAR(98))
  WHEN 2
    THEN '0' + CAST(STATIONID AS NVARCHAR(99))
  ELSE CAST(STATIONID AS NVARCHAR(100))
END STATIONID
,CAST(TNYDATE AS DATETIME) DATE_VALUE
,CAST(TNYDATE + ' ' + SUBSTRING(tnytime, 1, 2) + ':' + SUBSTRING(tnytime, 3, 2) AS DATETIME) TIME_VALUE
, SUBSTRING(tnytime, 1, 2) HH
FROM STG_QTTNY
WHERE TNYTYPE = 2
AND CAST(TNYDATE AS DATETIME) > (
  SELECT MAX INSERT TIME - DELTA
```

Host	SERVER_6291	Duration	32 sec
Web Site	website**	Header Size	1.1 KB
Url	/MAIN URL/SUB UR...	Body Size	150 Byte
Method	POST	Response Size	62.9 KB
Server IP	server_ip**		
Status	200 OK		
Start Time	20-12-2023 04:30		
Client IP	client_ip**		
Port	443		

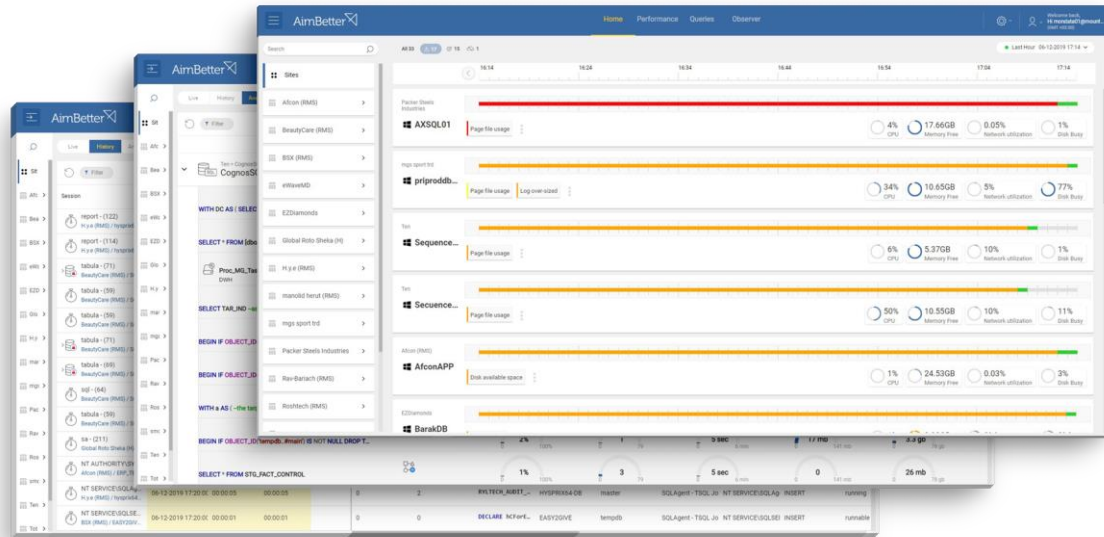


AIMBETTER RTPS PLATFORM

Unique approach:
Online Cross Information's & Machine Learning
for immediate resolution



REAL TIME PROBLEMS SOLVING PLATFORM



FRIENDLY AND INTUITIVE UI - VIA WEB BROWSER
MILLIONS OF DATA POINTS ANALYZED AND DISPLAYED IN REAL TIME



CLOUD-BASED
DATA AND ANALYTICS STORAGE



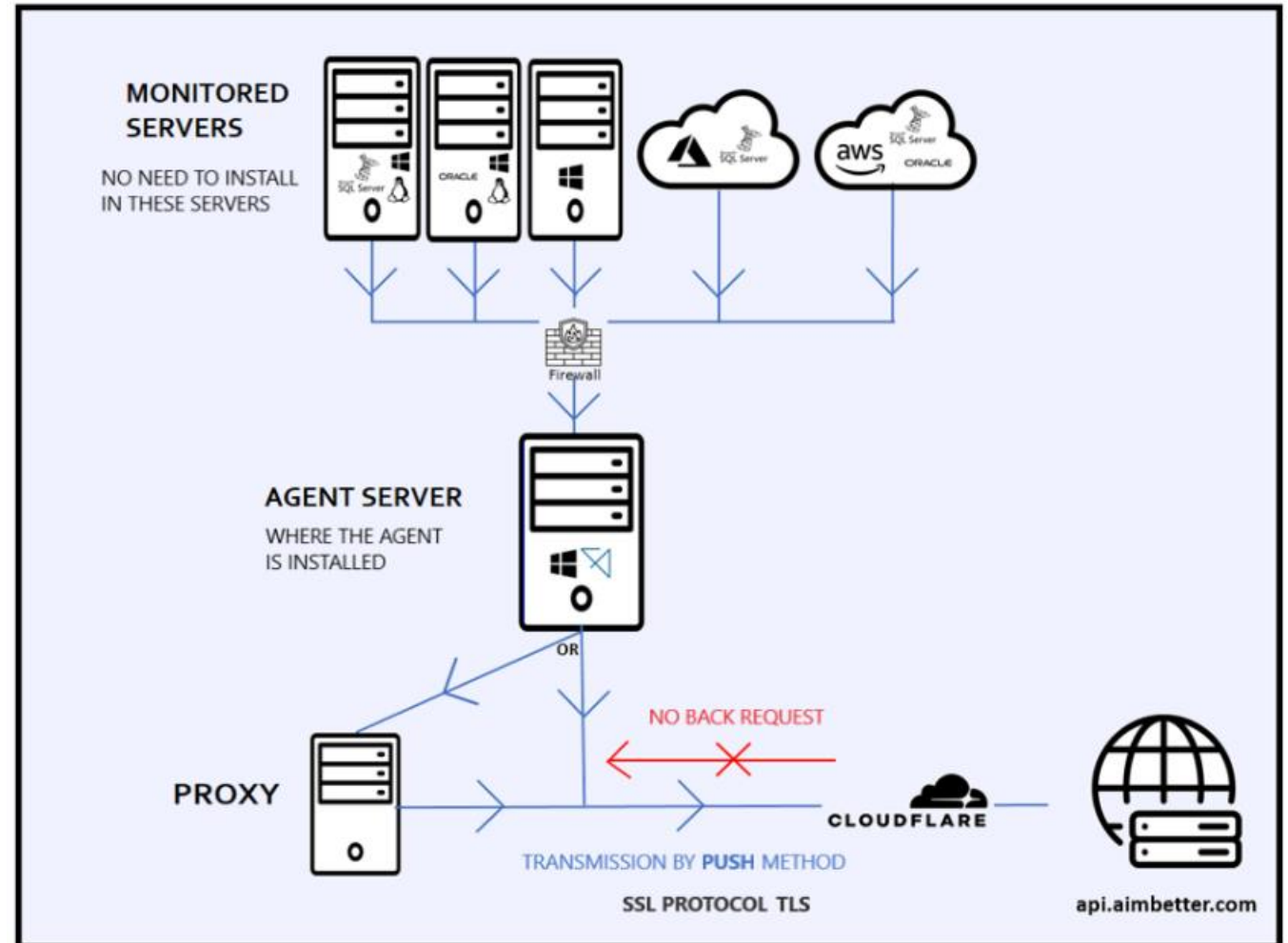
SMALL AND QUICK INSTALLATION
SINGLE AGENT INSTALLATION



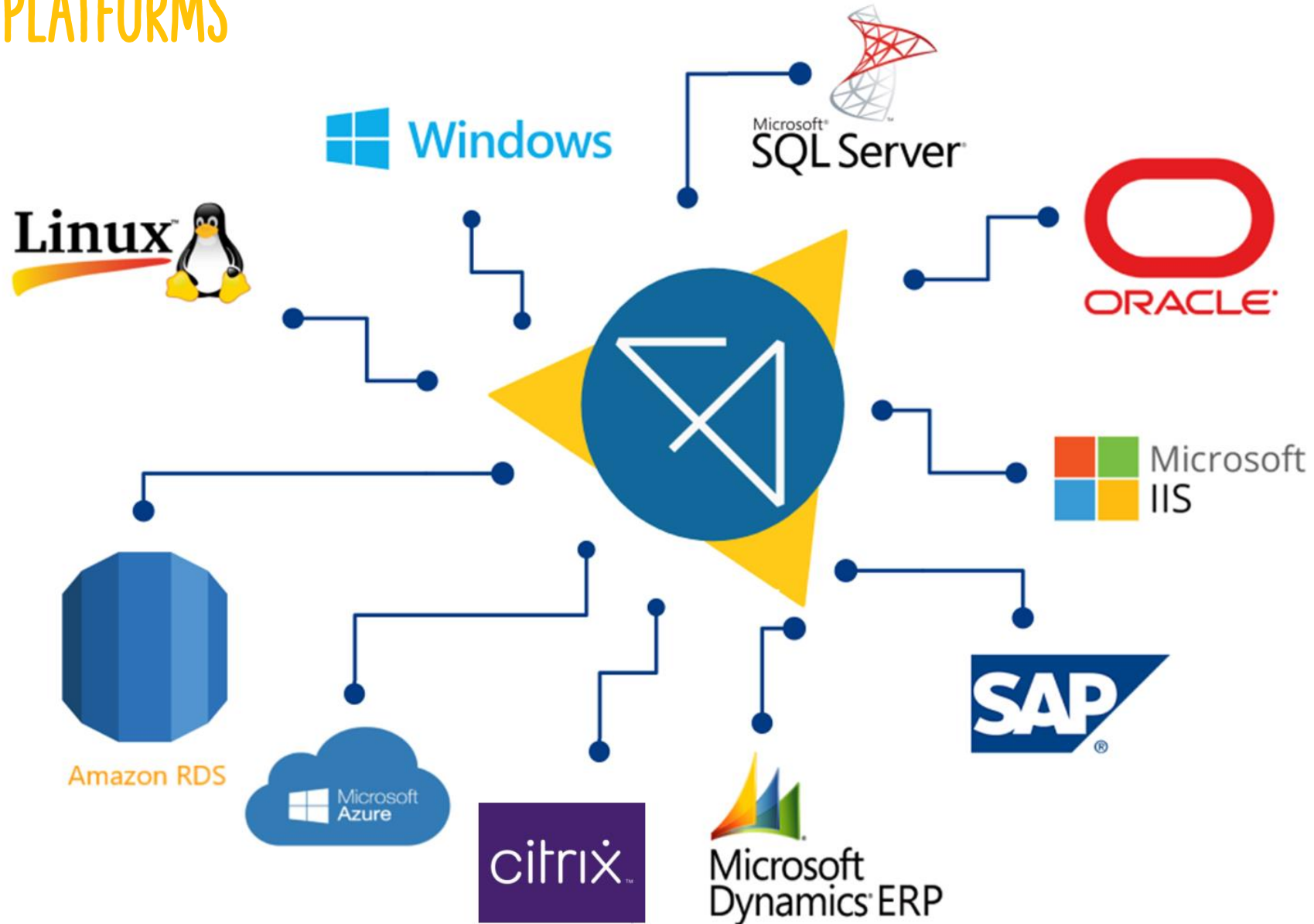
SECURE-BY-DESIGN
ADDS TO DATA PROTECTION

5 Minutes Installation- Immediate Results !!

- ✓ Single Installation
- ✓ READ-ONLY Permissions
- ✓ No Access to DB Content
- ✓ One-way transmission
- ✓ SSL Protocol TLS
- ✓ Proxy Configuration
- ✓ Cloudflare Protected
- ✓ Datacenter on Azure
- ✓ GDPR Approved
- ✓ Tier 3 Standard Fully Protected

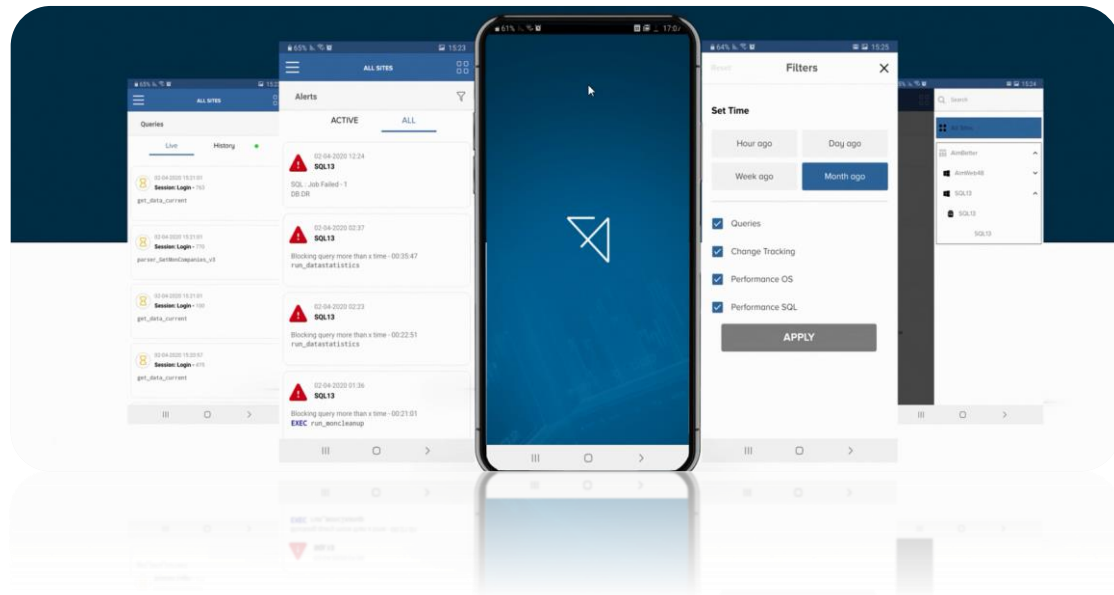


SUPPORTED PLATFORMS



AimBetter

Today for a Better Tomorrow



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info@aimbetter.com

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THANK YOU!