

MSSQL / PI Power Pack



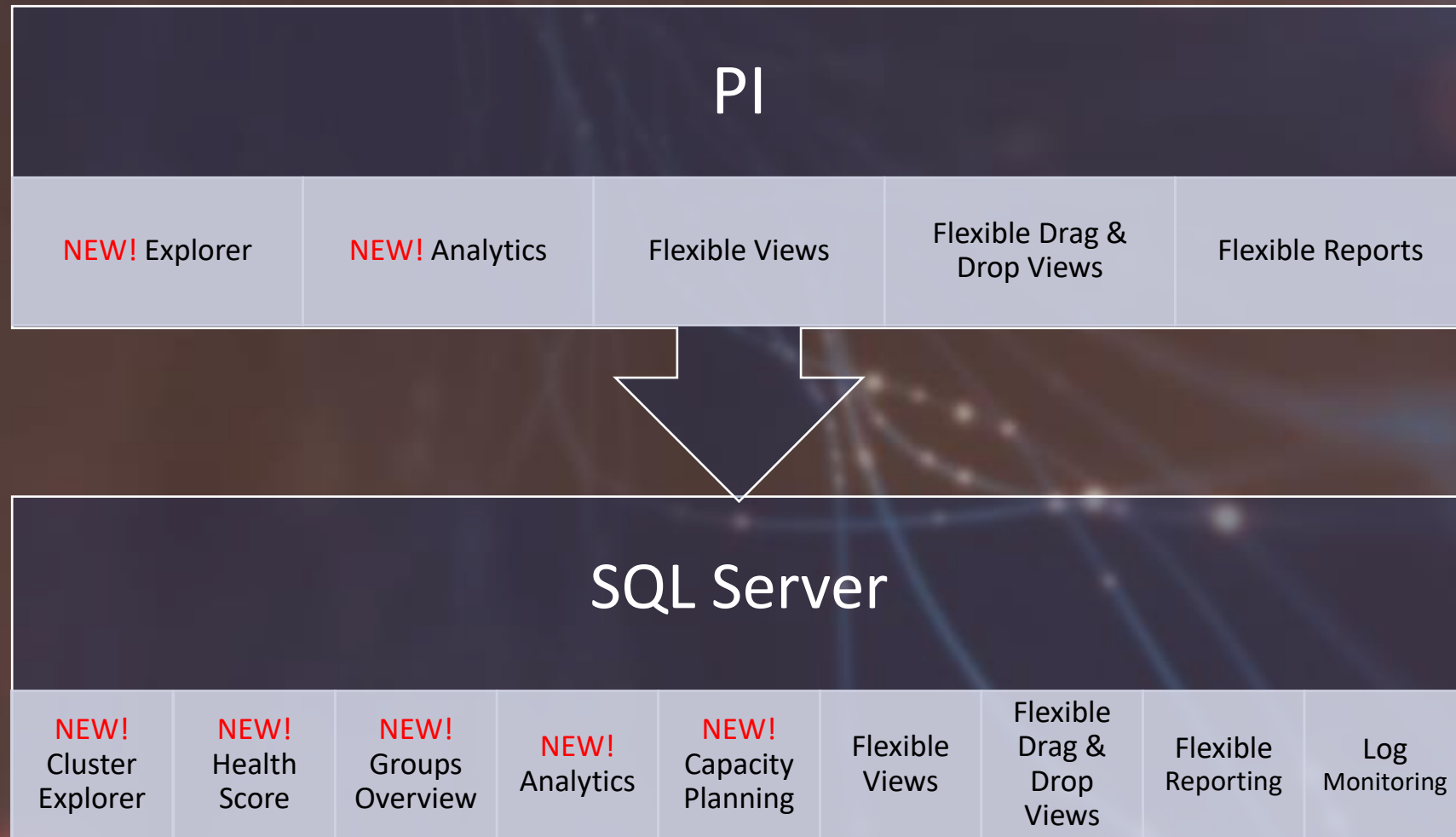
Custom
Integrations

- Our unique solution extracts data from Foglight for SQL PI and puts it to use in easy-to-create dashboards
- Access to deep down data not readily available from the Foglight SQL agent or the 'Performance Investigator' tools
- Create highly advanced dashboard with the exposed the data with 'drag and drop' simplicity
- Eliminate the need for 'Custom' services and Master advanced dashboard creation in Foglight for analyzing your SQL performance
- After implementation, our knowledge transfer enables you to be successful and begin creating your own views

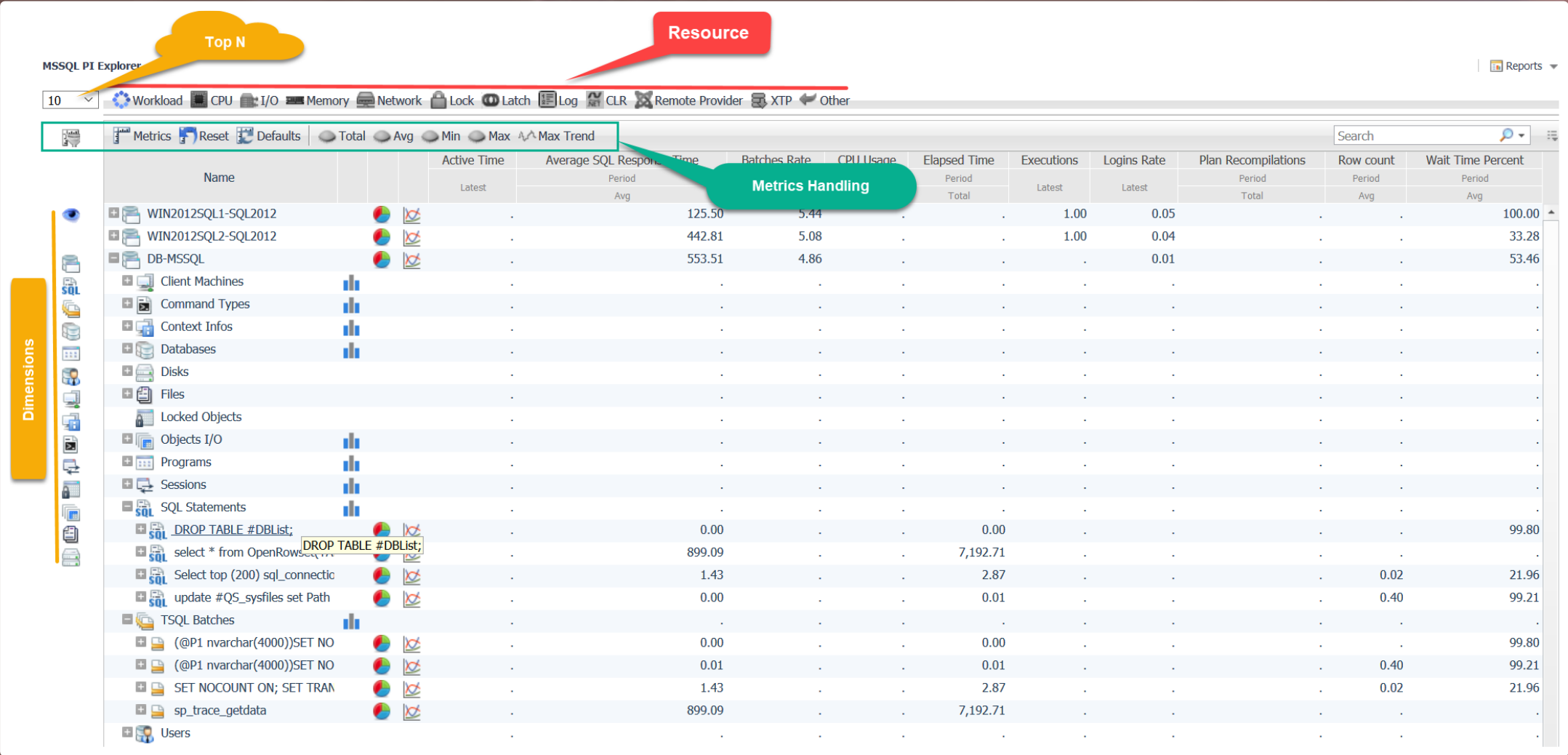
Why MSSQL / PI Power Pack?



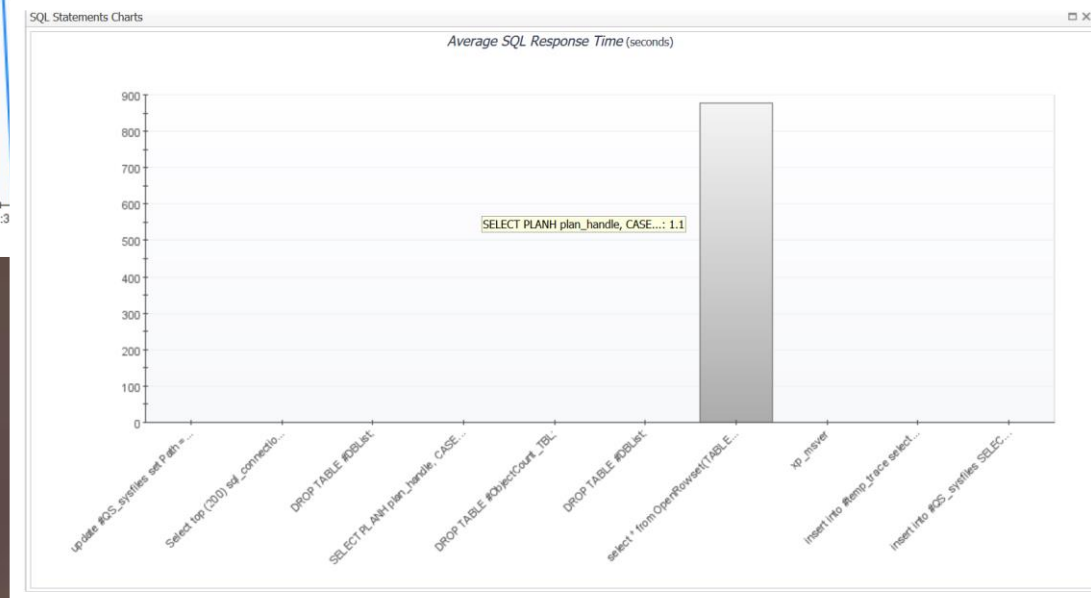
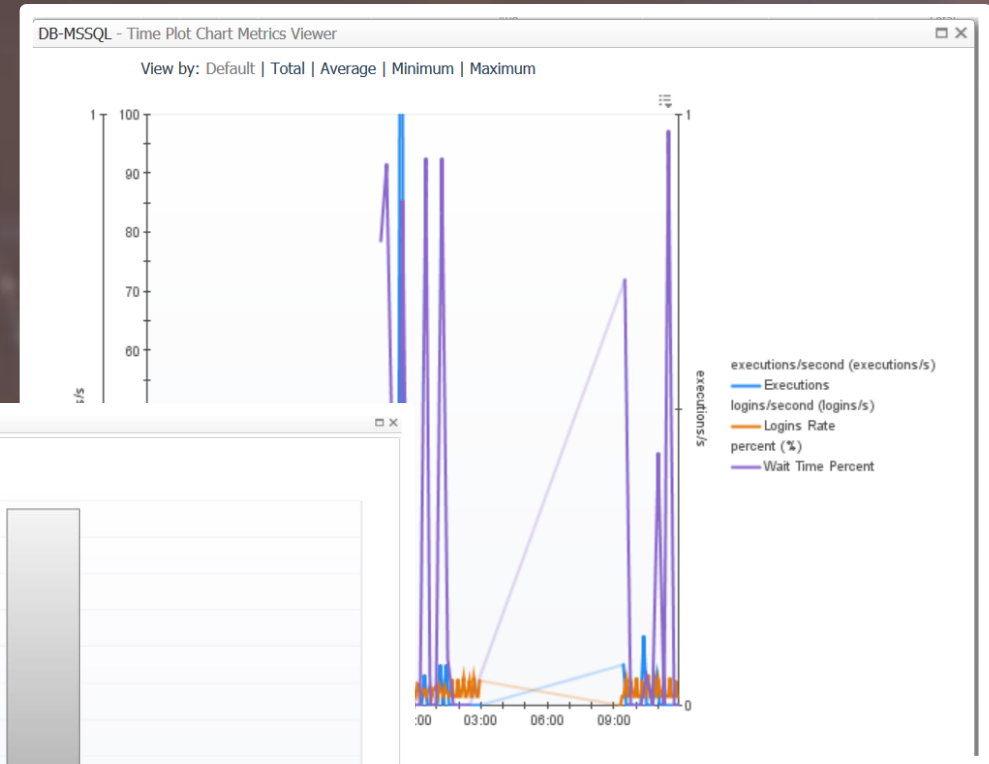
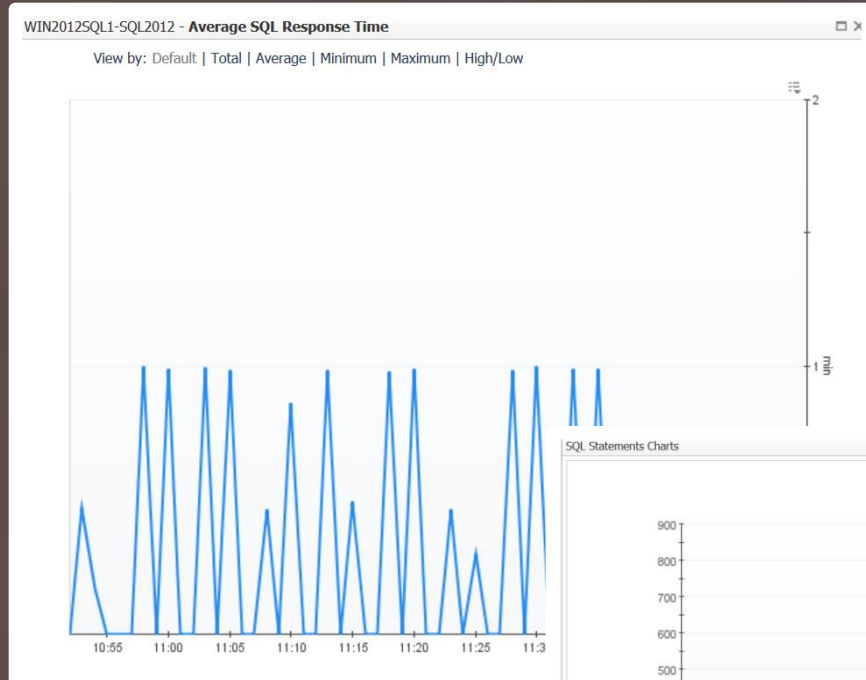
MSSQL / PI Power Pack - Solution



MSSQL/PI Power Pack - PI Explorer



MSSQL/PI Power Pack - PI Explorer - Continued



MSSQL / PI Power Pack

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PI Instances

Show selected
instances and display
PI Metrics

Same Capabilities as
the PI Explorer

<div>Metrics Reset Defaults</div> <div>Total Avg Min Max Max Trend</div> <div>Search</div>										
Name			Active Time	Average SQL Response Time		Batches Rate	CPU Usage	Executions	Logins Rate	Wait Time Percent
			Current	Period		Current	Current	Current	Current	Period
				Avg						Avg
WIN2012SQL1-SQL2012			.		113.86	5.43	.	.	0.05	93.50
WIN2012SQL2-SQL2012			.		183.83	4.98	.	1.00	0.04	63.49
DB-MSSQL			0.00		205.36	4.84	0.00	.	0.01	65.82

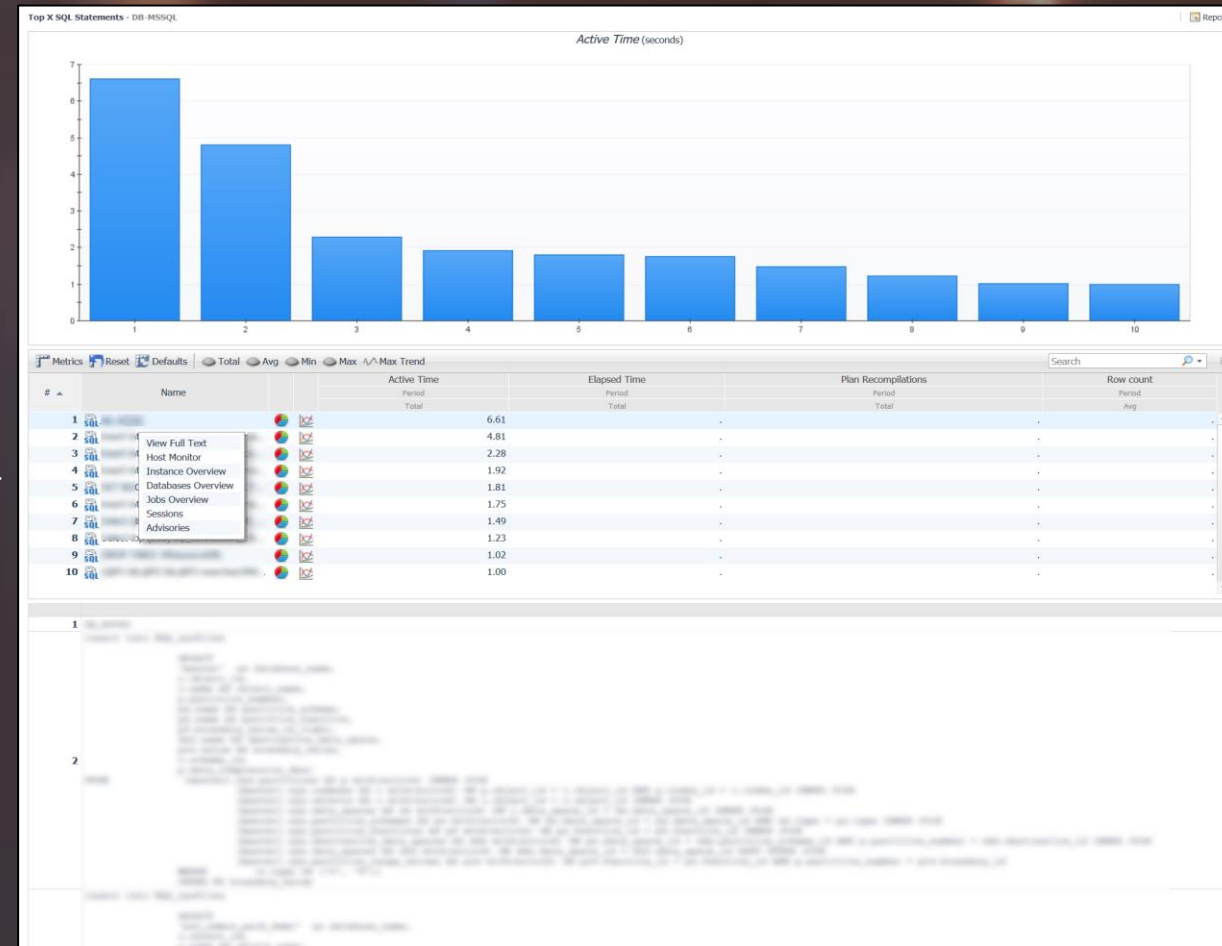
MSSQL/PI Power Pack - PI Top 'X' SQL

Displays Top 10 SQL statements for an instance

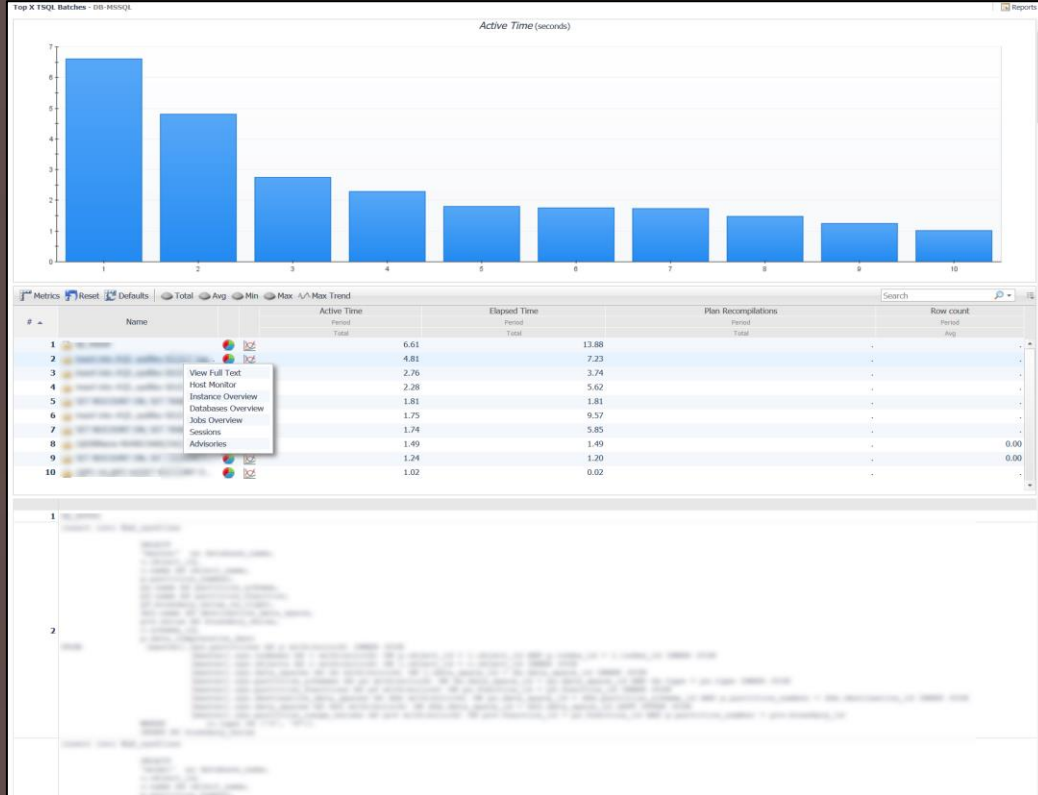
Active Time
Clustered Bar
Chart

Metrics support
same as the PI
Explorer

Displays SQL
statements Text



MSSQL/PI Power Pack - PI Top 'X' SQL Batches



Displays the Top 10 SQL Batches for an instance

Displays the
SQL Batches
Text

Active Time
Clustered
Bar Chart

Metrics
support
same as the
PI Explorer

MSSQL/PI Power Pack - PI Advisories

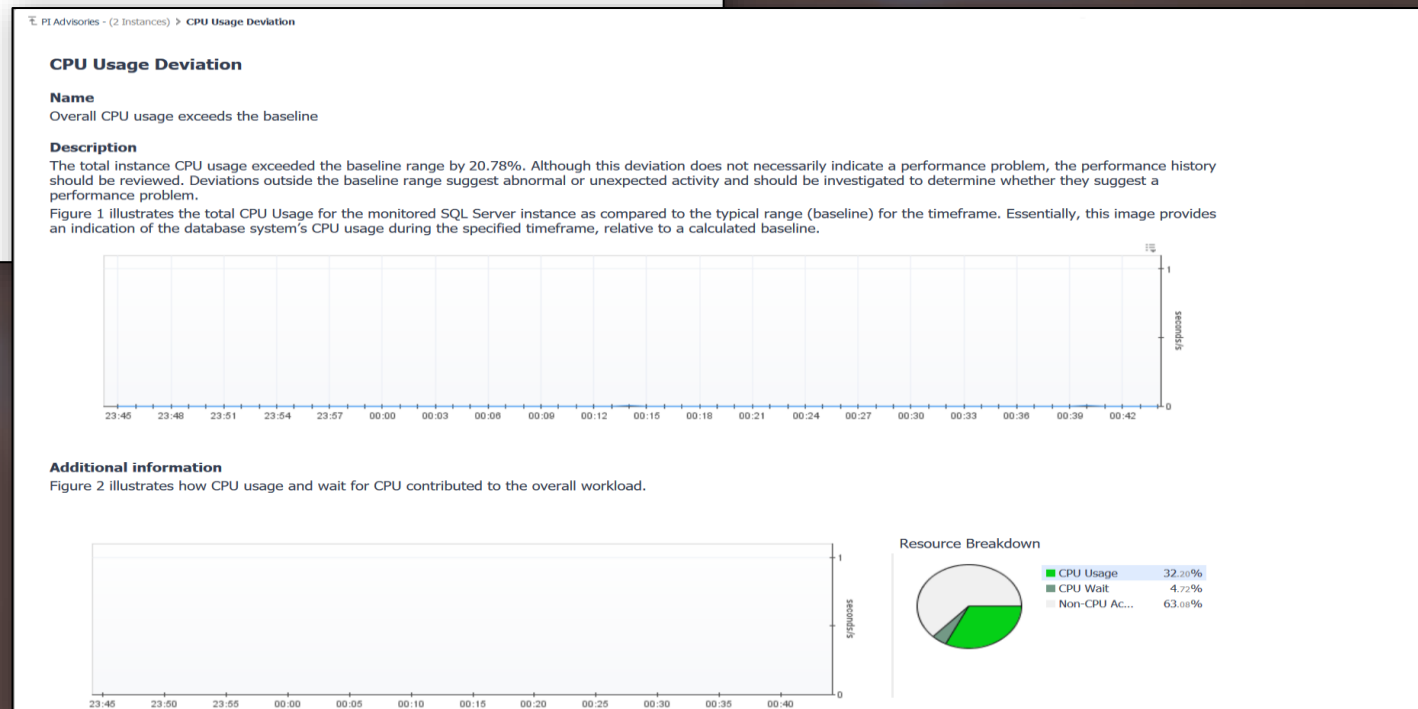
Displays 'Advisories' on selected instances

PI Advisories - (2 Instances)

Instance	Start Time	Advisory	Action Type	Description
DB-MSSQL	2018-01-18 00:00:00	CPU Usage Deviation	Review Performance Deviations	Overall CPU usage exceeds the baseline
DB-MSSQL	2018-01-18 00:00:00	Excessive I/O Wait	Reduce Read/Write operations	Excessive I/O Wait
WIN201250	2018-01-18 00:00:00	CPU Usage Deviation	Review Performance Deviations	Overall CPU usage exceeds the baseline
WIN201250	2018-01-18 00:00:00	Excessive Memory Pressure	Address Resource Bottlenecks	Excessive Memory Pressure

Search

- Host Monitor
- Instance Overview
- Databases Overview
- Jobs Overview
- SQL PI Explorer
- Advisories
- Locks
- Lock Statistics
- Sessions
- Plan Caches
- Wait Events
- Wait Statistics
- SQL Agent Jobs
- Error Logs



MSSQL/PI Power Pack - PI Change Tracking

Display changes on selected instances

PI Change Tracking Summary - (3 Instances)

Search

	Instance	Total Changes	Change Counts						
			Accounts	Database Configuration	Database Objects	Execution Plan	Master Configuration	System Configuration	User Defined
✖	WIN2012SQL1-SQL2012	33	0	0	33	0	0	0	0
⚠	WIN2012SQL2-SQL2012	2	0	0	0	0	0	2	0
⚠	DB-MSSQL	1	0	0	0	0	0	1	0

Host Monitor

Instance Overview

Databases Overview

Jobs Overview

SQL PI Explorer

Advisories

Locks

Lock Statistics

Sessions

Plan Caches

Wait Events

Wait Statistics

SQL Agent Jobs

Error Logs

PI Change Tracking - (3 Instances)

Instance	Date	Category	User
DB-MSSQL		Devices	
WIN2012SQL1-SQL2012		Table	
WIN2012SQL1-SQL2012		Table	
WIN2012SQL1-SQL2012		Table	
WIN2012SQL1-SQL2012		Table	
WIN2012SQL1-SQL2012		Table	
WIN2012SQL1-SQL2012		Table	
WIN2012SQL1-SQL2012		Index	

PI Change Tracking - (3 Instances)

Dec 9, 2018 - Dec 11, 2018 2 days Reports

Search

Instance	Date	Category	User	Change		Description
				Old Value	New Value	
DB-MSSQL		Devices				
WIN2012SQL1-SQL2012		Table				
WIN2012SQL1-SQL2012		Table				
WIN2012SQL1-SQL2012		Table				
WIN2012SQL1-SQL2012		Table				
WIN2012SQL1-SQL2012		Table				
WIN2012SQL1-SQL2012		Table				
WIN2012SQL1-SQL2012		Index				
WIN2012SQL1-SQL2012		Index				
WIN2012SQL1-SQL2012		Table				
WIN2012SQL1-SQL2012		Index				
WIN2012SQL1-SQL2012		Index				

MSSQL/PI Power Pack - PI Analytics



24 Hour Window View

Get Insight into how a resource is utilized within a 24-hour day based on historical data



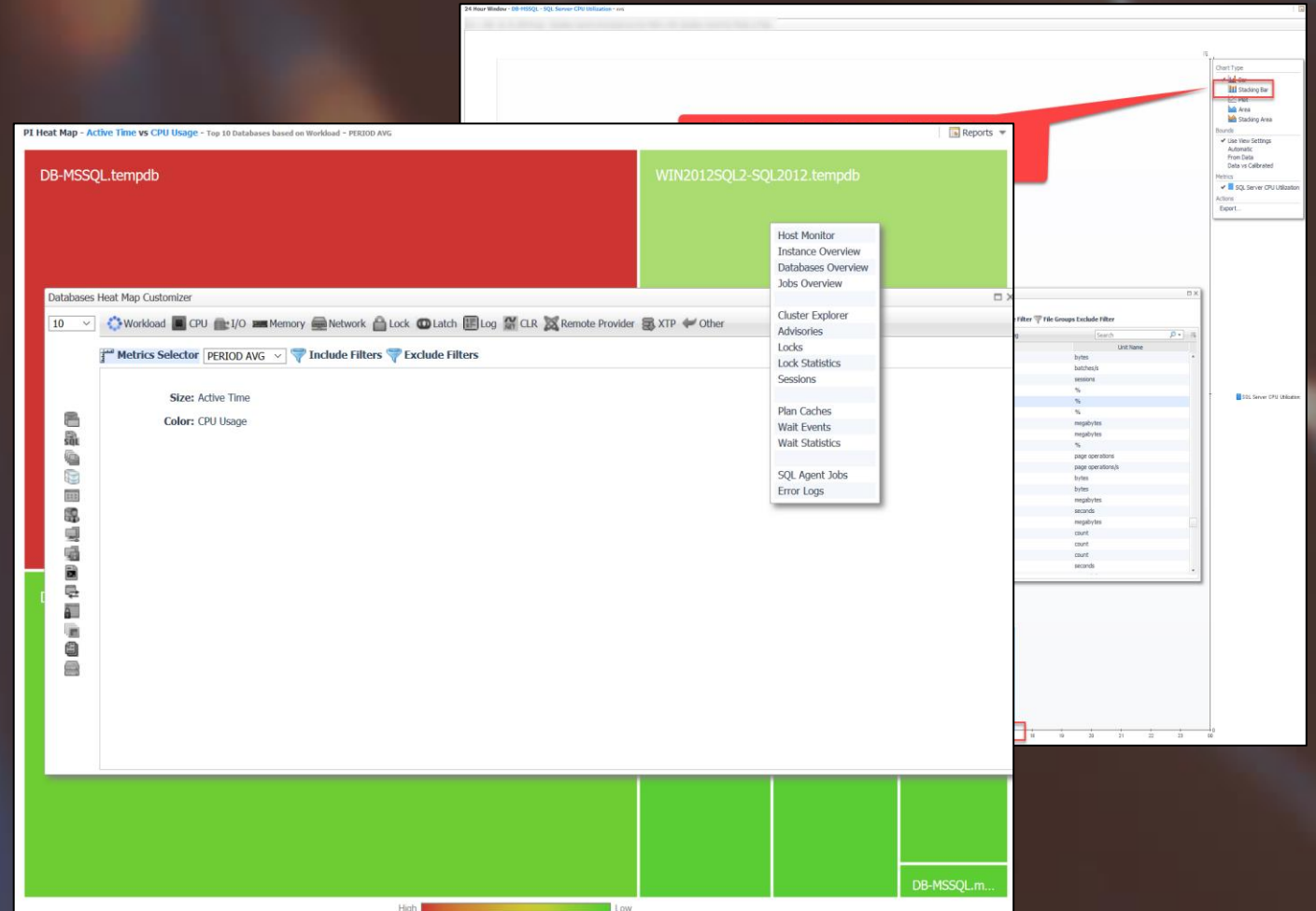
Analyze Data Using

Time Plot Charts
Time Bar Charts
Clustered Bar Charts



Advanced Analytics Using

Bubble Charts
Scatter Charts
Heat Maps



MSSQL/PI Power Pack - PI Drag & Drop

All views can be dragged:

- Directly from the 'Views' Tab
- Drag one or more instances
- Drag a service
- Drag a group

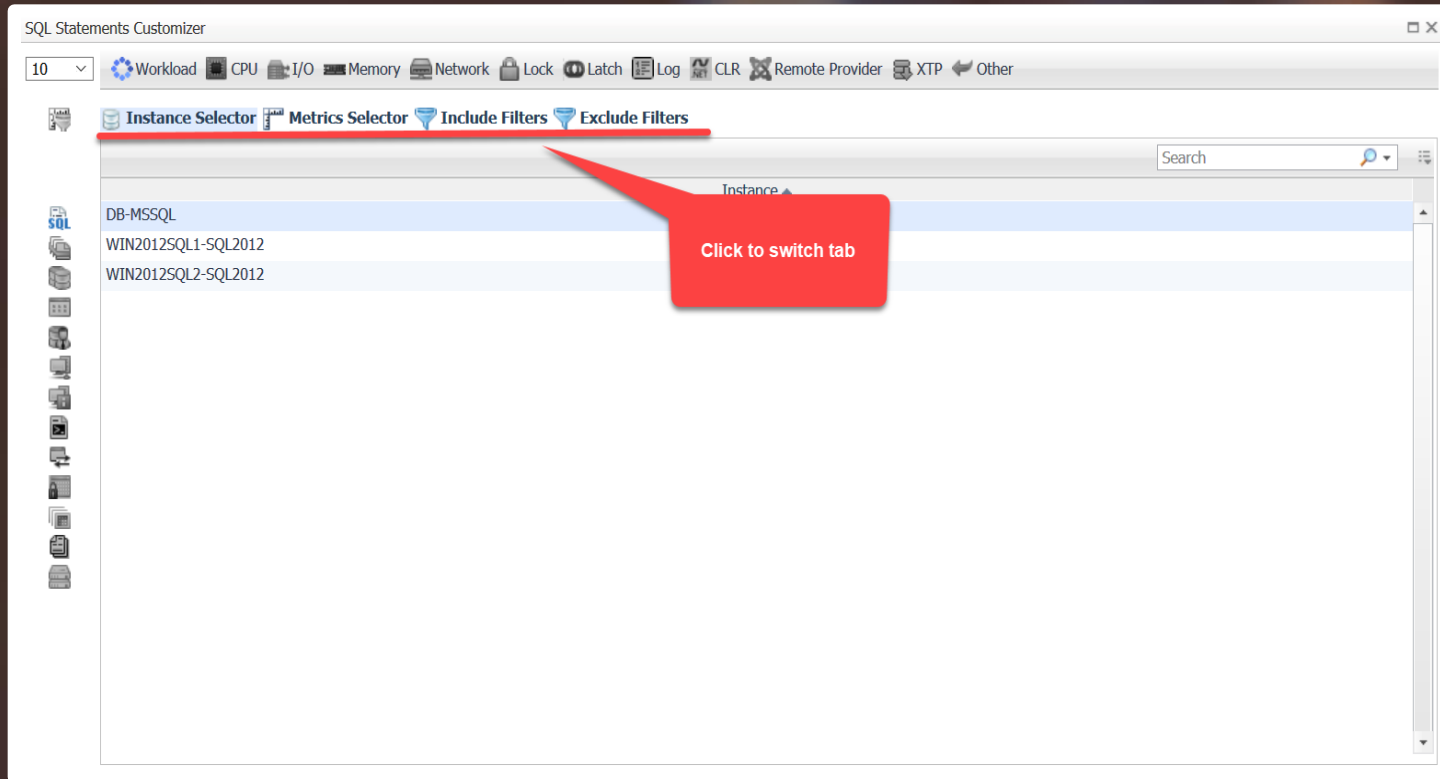
Advanced Customizers to select relevant options:

- Dimensions
- Resource
- Top 'N'
- Metrics

Include and Exclude Filters where applicable for filtering based on these dimensions:

- Databases
- Programs
- Users
- Client Machines
- Disks
- Files





MSSQL / PI Power Pack – PI Drag & Drop

MSSQL/PI Power Pack - PI Explorer Report

Specify all the options available in the 'Dashboard' version

Time Range

Resource

Dimensions

Top N

Metrics
(Filters can
be applied)

Group,
Service
or/and List
of
Instances

Show the
following values
for the selected
period:

- Min
- Max
- Sum
- Average

MSSQL / PI Power Pack

– PI Instances Report

Specify all these options
available in the
Dashboard version

Time Range

Resource

Metrics to Plot in a clustered bar chart

Metrics (Filters can be applied)

Group, Service or/and List of Instances

Ability to show the following values for the
selected period:

- Min
- Max
- Sum
- Average

MSSQL/PI Power Pack - PI Top N Report

'Top N' = the values of the metrics are relative to the instance then you can specify:

Time Range

Resource

Dimensions

Top N

Include / Exclude provides filtering 'Top N' results with the following dimensions:

- Databases
- Programs
- Users
- Client Machines
- Disks
- Files

Metrics to Plot in a clustered bar chart

Metrics
(Filters can be applied)

Ability to show the following values for the selected period:

- Min
- Max
- Sum
- Average

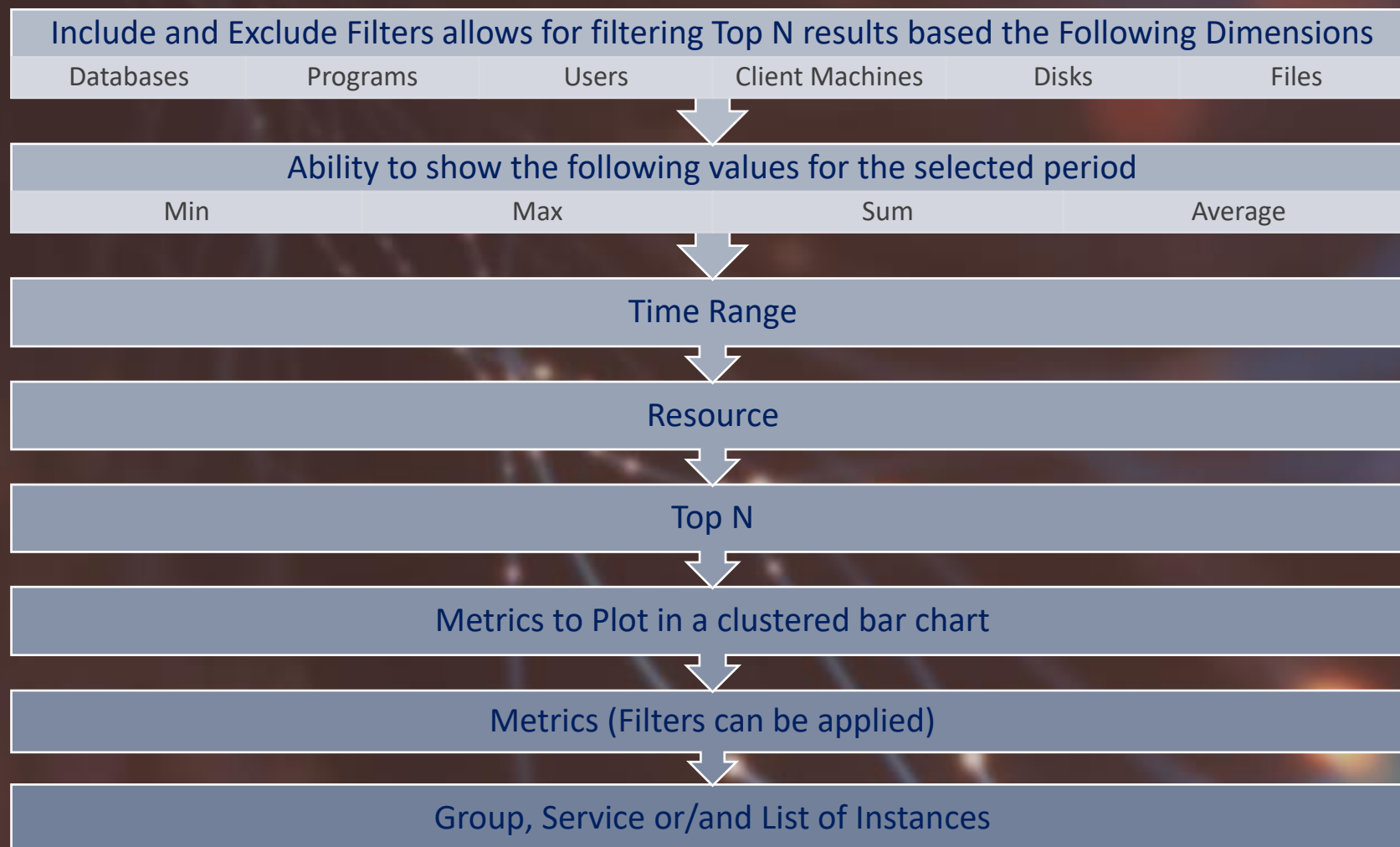
Group, Service or/and List of Instances



MSSQL/PI Power Pack - PI Top N SQL Report

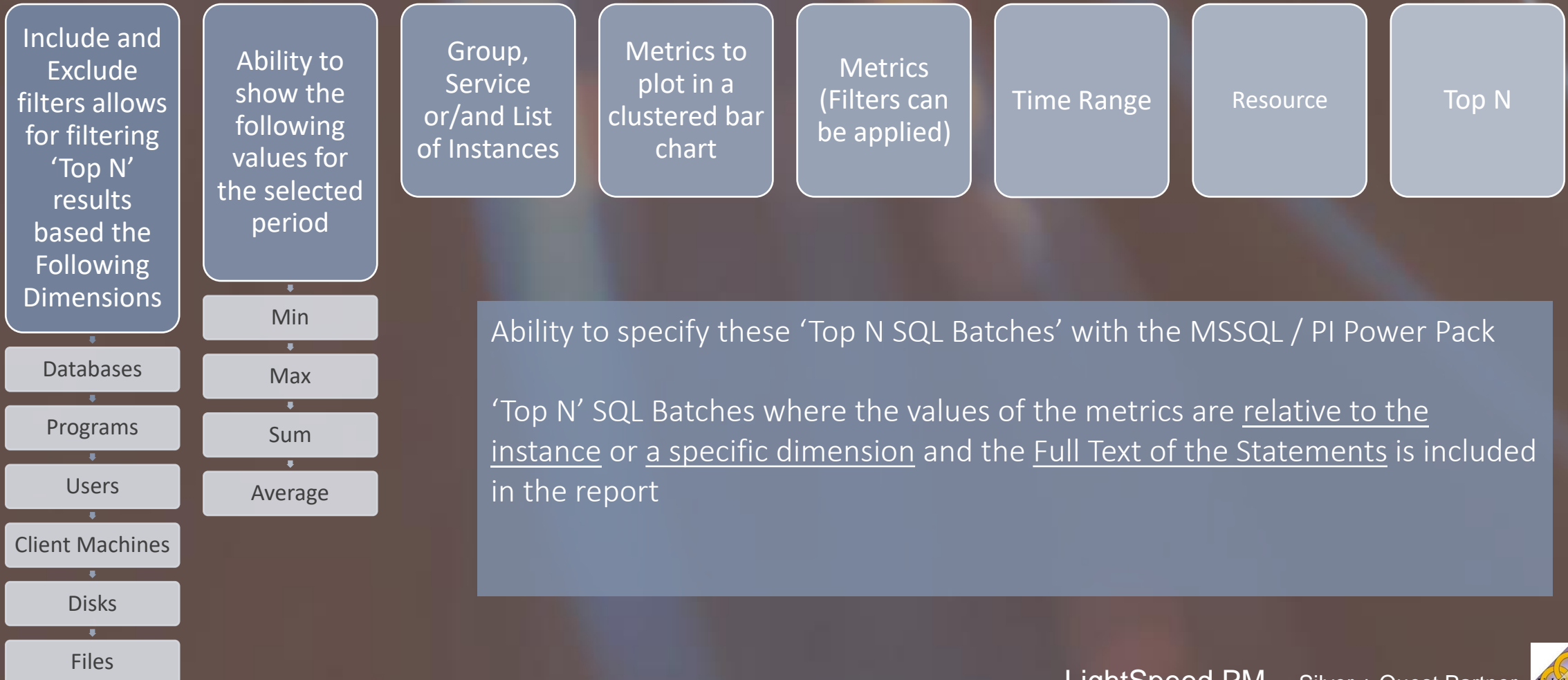
‘Top N SQL Statement’

Where the values of the metrics are relative to the instance
or
a specific dimension
and the **full text** of the statement is included in the report there is an ability to specify these items:

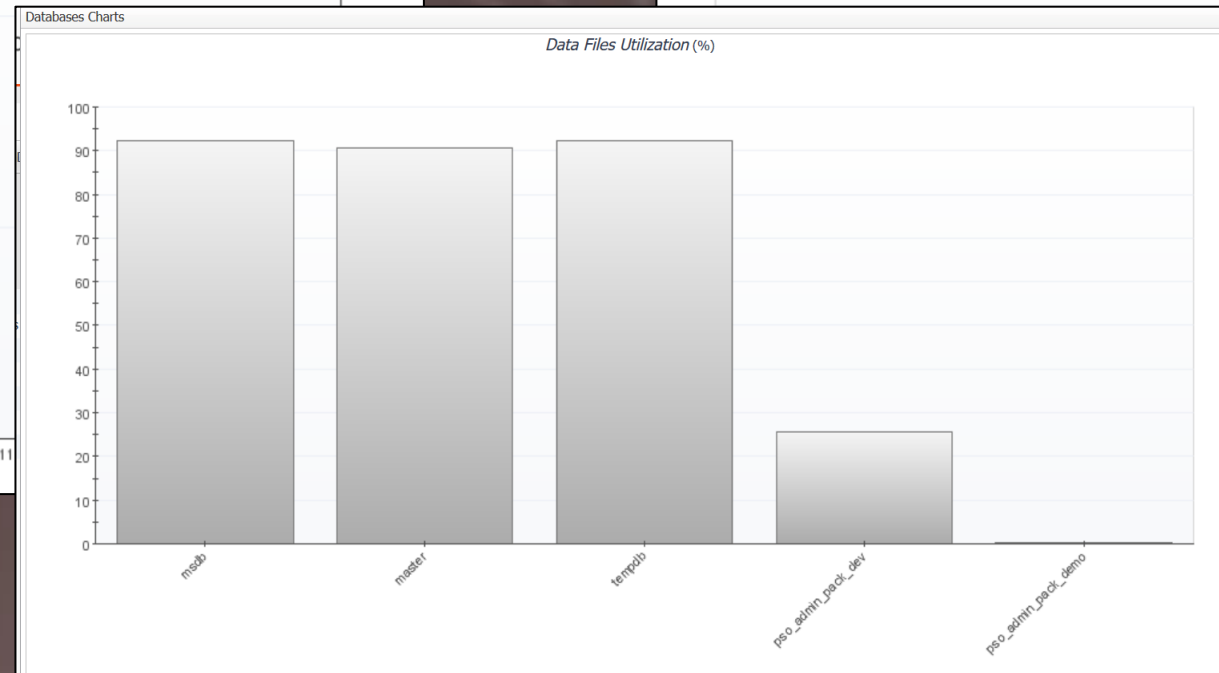
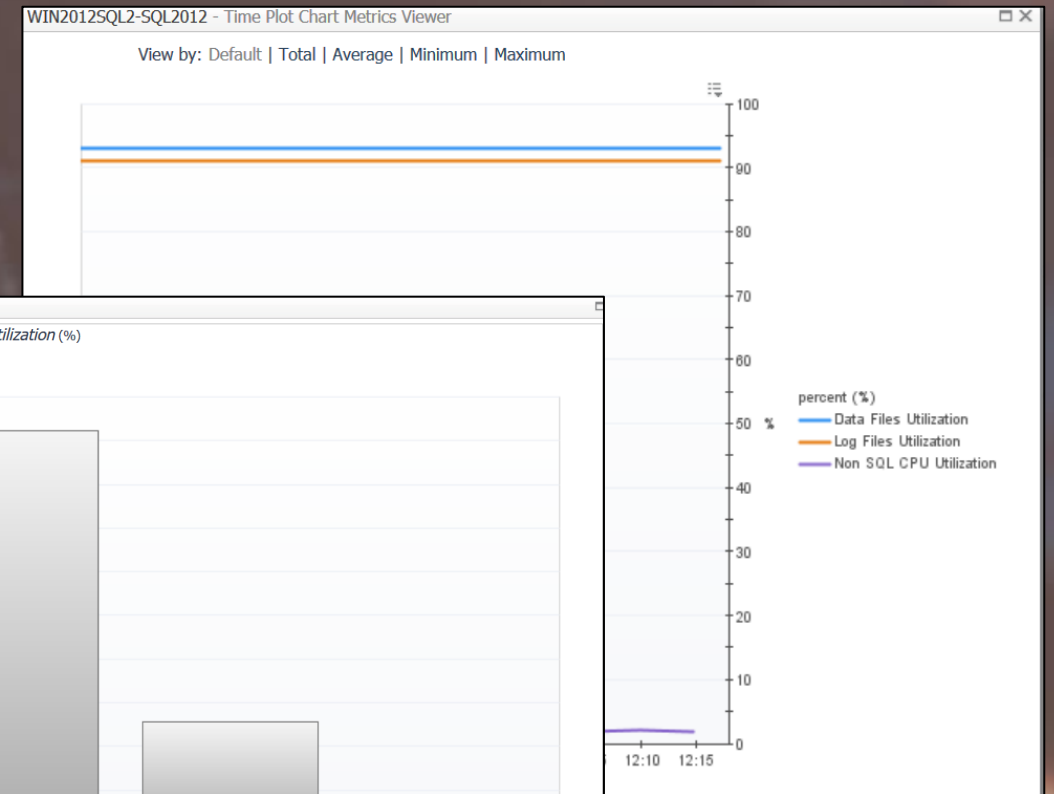
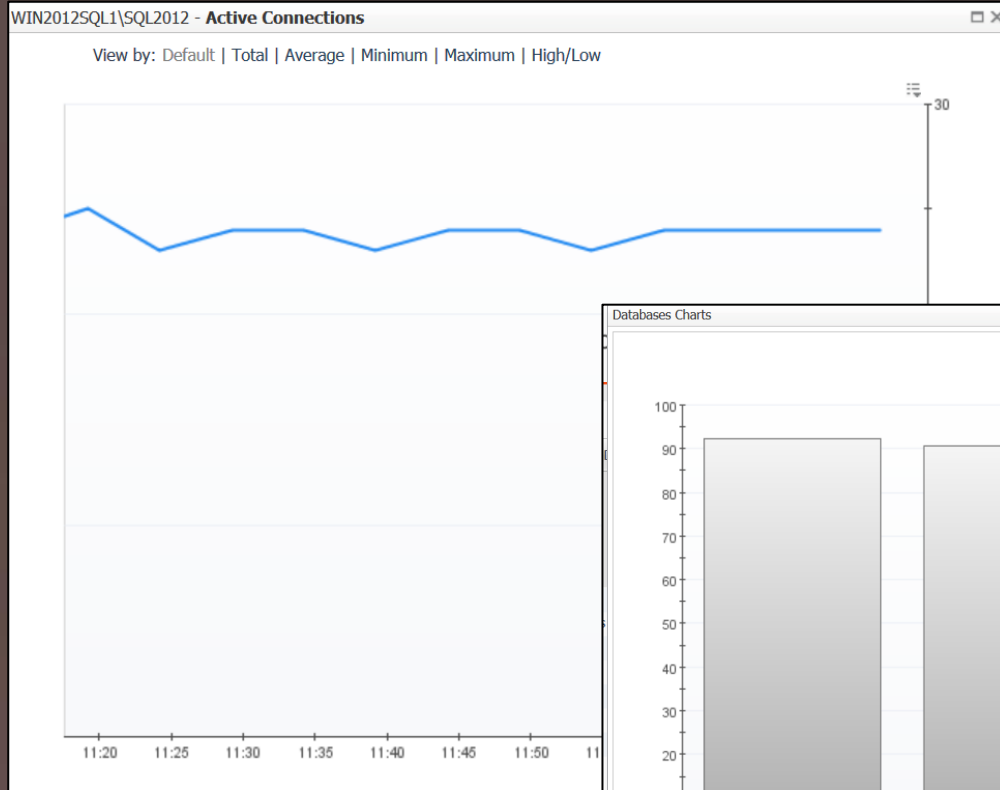


MSSQL / PI Power Pack

PI Reports - Top N SQL Batches



MSSQL/PI Power Pack - Cluster Explorer - Continued



MSSQL/PI Power Pack – Health Score

You control how to evaluate the health of an instance



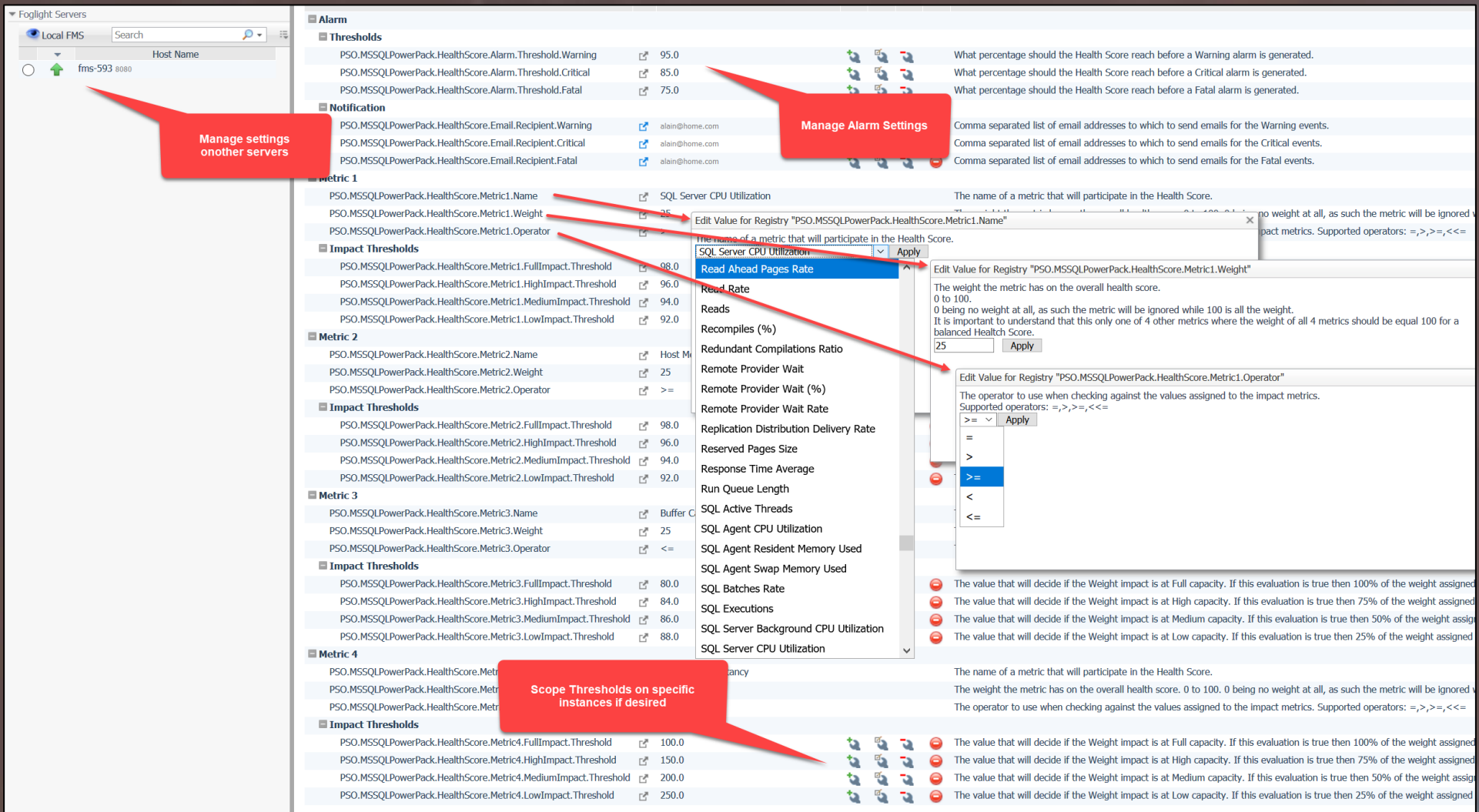
Total control over how the Health Score gets calculated by defining health score per the instance



Totally customizable within these parameters:

- Up to 4 Metrics to be used in the calculation with a defined weight (0 - OFF to 100)
- Each Metric can have up to 4 thresholds to decide how much impact the weight has:
 - 25% Impact
 - 50% Impact
 - 75% Impact
 - FULL IMPACT

MSSQL/PI Power Pack – Health Score Settings



Manage settings on other servers

Manage Alarm Settings

Scope Thresholds on specific instances if desired

Alarm

Thresholds

Threshold	Value	Description
PSO.MSSQLPowerPack.HealthScore.Alarm.Threshold.Warning	95.0	What percentage should the Health Score reach before a Warning alarm is generated.
PSO.MSSQLPowerPack.HealthScore.Alarm.Threshold.Critical	85.0	What percentage should the Health Score reach before a Critical alarm is generated.
PSO.MSSQLPowerPack.HealthScore.Alarm.Threshold.Fatal	75.0	What percentage should the Health Score reach before a Fatal alarm is generated.

Notification

Notification	Recipient	Description
PSO.MSSQLPowerPack.HealthScore.Email.Recipient.Warning	alain@home.com	Comma separated list of email addresses to which to send emails for the Warning events.
PSO.MSSQLPowerPack.HealthScore.Email.Recipient.Critical	alain@home.com	Comma separated list of email addresses to which to send emails for the Critical events.
PSO.MSSQLPowerPack.HealthScore.Email.Recipient.Fatal	alain@home.com	Comma separated list of email addresses to which to send emails for the Fatal events.

Metric 1

Metric	Value	Description
PSO.MSSQLPowerPack.HealthScore.Metric1.Name	SQL Server CPU Utilization	The name of a metric that will participate in the Health Score.
PSO.MSSQLPowerPack.HealthScore.Metric1.Weight	25	The weight the metric has on the overall health score. 0 to 100. 0 being no weight at all, as such the metric will be ignored while 100 is all the weight. It is important to understand that this only one of 4 other metrics where the weight of all 4 metrics should be equal 100 for a balanced Health Score.
PSO.MSSQLPowerPack.HealthScore.Metric1.Operator	>=	The operator to use when checking against the values assigned to the impact metrics. Supported operators: =, >, >=, <=

Impact Thresholds

Impact Threshold	Value	Description
PSO.MSSQLPowerPack.HealthScore.Metric1.FullImpact.Threshold	98.0	The value that will decide if the Weight impact is at Full capacity. If this evaluation is true then 100% of the weight assigned to the metric will be used.
PSO.MSSQLPowerPack.HealthScore.Metric1.HighImpact.Threshold	96.0	The value that will decide if the Weight impact is at High capacity. If this evaluation is true then 75% of the weight assigned to the metric will be used.
PSO.MSSQLPowerPack.HealthScore.Metric1.MediumImpact.Threshold	94.0	The value that will decide if the Weight impact is at Medium capacity. If this evaluation is true then 50% of the weight assigned to the metric will be used.
PSO.MSSQLPowerPack.HealthScore.Metric1.LowImpact.Threshold	92.0	The value that will decide if the Weight impact is at Low capacity. If this evaluation is true then 25% of the weight assigned to the metric will be used.

Metric 2

Metric	Value	Description
PSO.MSSQLPowerPack.HealthScore.Metric2.Name	Host Memory	The name of a metric that will participate in the Health Score.
PSO.MSSQLPowerPack.HealthScore.Metric2.Weight	25	The weight the metric has on the overall health score. 0 to 100. 0 being no weight at all, as such the metric will be ignored while 100 is all the weight. It is important to understand that this only one of 4 other metrics where the weight of all 4 metrics should be equal 100 for a balanced Health Score.
PSO.MSSQLPowerPack.HealthScore.Metric2.Operator	>=	The operator to use when checking against the values assigned to the impact metrics. Supported operators: =, >, >=, <=

Impact Thresholds

Impact Threshold	Value	Description
PSO.MSSQLPowerPack.HealthScore.Metric2.FullImpact.Threshold	98.0	The value that will decide if the Weight impact is at Full capacity. If this evaluation is true then 100% of the weight assigned to the metric will be used.
PSO.MSSQLPowerPack.HealthScore.Metric2.HighImpact.Threshold	96.0	The value that will decide if the Weight impact is at High capacity. If this evaluation is true then 75% of the weight assigned to the metric will be used.
PSO.MSSQLPowerPack.HealthScore.Metric2.MediumImpact.Threshold	94.0	The value that will decide if the Weight impact is at Medium capacity. If this evaluation is true then 50% of the weight assigned to the metric will be used.
PSO.MSSQLPowerPack.HealthScore.Metric2.LowImpact.Threshold	92.0	The value that will decide if the Weight impact is at Low capacity. If this evaluation is true then 25% of the weight assigned to the metric will be used.

Metric 3

Metric	Value	Description
PSO.MSSQLPowerPack.HealthScore.Metric3.Name	Buffer Cache Hit Ratio	The name of a metric that will participate in the Health Score.
PSO.MSSQLPowerPack.HealthScore.Metric3.Weight	25	The weight the metric has on the overall health score. 0 to 100. 0 being no weight at all, as such the metric will be ignored while 100 is all the weight. It is important to understand that this only one of 4 other metrics where the weight of all 4 metrics should be equal 100 for a balanced Health Score.
PSO.MSSQLPowerPack.HealthScore.Metric3.Operator	<=	The operator to use when checking against the values assigned to the impact metrics. Supported operators: =, >, >=, <=

Impact Thresholds

Impact Threshold	Value	Description
PSO.MSSQLPowerPack.HealthScore.Metric3.FullImpact.Threshold	80.0	The value that will decide if the Weight impact is at Full capacity. If this evaluation is true then 100% of the weight assigned to the metric will be used.
PSO.MSSQLPowerPack.HealthScore.Metric3.HighImpact.Threshold	84.0	The value that will decide if the Weight impact is at High capacity. If this evaluation is true then 75% of the weight assigned to the metric will be used.
PSO.MSSQLPowerPack.HealthScore.Metric3.MediumImpact.Threshold	86.0	The value that will decide if the Weight impact is at Medium capacity. If this evaluation is true then 50% of the weight assigned to the metric will be used.
PSO.MSSQLPowerPack.HealthScore.Metric3.LowImpact.Threshold	88.0	The value that will decide if the Weight impact is at Low capacity. If this evaluation is true then 25% of the weight assigned to the metric will be used.

Metric 4

Metric	Value	Description
PSO.MSSQLPowerPack.HealthScore.Metric4.Name	SQL Server CPU Utilization	The name of a metric that will participate in the Health Score.
PSO.MSSQLPowerPack.HealthScore.Metric4.Weight	25	The weight the metric has on the overall health score. 0 to 100. 0 being no weight at all, as such the metric will be ignored while 100 is all the weight. It is important to understand that this only one of 4 other metrics where the weight of all 4 metrics should be equal 100 for a balanced Health Score.
PSO.MSSQLPowerPack.HealthScore.Metric4.Operator	<=	The operator to use when checking against the values assigned to the impact metrics. Supported operators: =, >, >=, <=

Impact Thresholds

Impact Threshold	Value	Description
PSO.MSSQLPowerPack.HealthScore.Metric4.FullImpact.Threshold	100.0	The value that will decide if the Weight impact is at Full capacity. If this evaluation is true then 100% of the weight assigned to the metric will be used.
PSO.MSSQLPowerPack.HealthScore.Metric4.HighImpact.Threshold	150.0	The value that will decide if the Weight impact is at High capacity. If this evaluation is true then 75% of the weight assigned to the metric will be used.
PSO.MSSQLPowerPack.HealthScore.Metric4.MediumImpact.Threshold	200.0	The value that will decide if the Weight impact is at Medium capacity. If this evaluation is true then 50% of the weight assigned to the metric will be used.
PSO.MSSQLPowerPack.HealthScore.Metric4.LowImpact.Threshold	250.0	The value that will decide if the Weight impact is at Low capacity. If this evaluation is true then 25% of the weight assigned to the metric will be used.

Metrics

Metric	Description
SQL Server CPU Utilization	The name of a metric that will participate in the Health Score.
Read Ahead Pages Rate	The name of a metric that will participate in the Health Score.
Read Rate	The name of a metric that will participate in the Health Score.
Recompiles (%)	The name of a metric that will participate in the Health Score.
Redundant Compilations Ratio	The name of a metric that will participate in the Health Score.
Remote Provider Wait	The name of a metric that will participate in the Health Score.
Remote Provider Wait (%)	The name of a metric that will participate in the Health Score.
Remote Provider Wait Rate	The name of a metric that will participate in the Health Score.
Replication Distribution Delivery Rate	The name of a metric that will participate in the Health Score.
Reserved Pages Size	The name of a metric that will participate in the Health Score.
Response Time Average	The name of a metric that will participate in the Health Score.
Run Queue Length	The name of a metric that will participate in the Health Score.
SQL Active Threads	The name of a metric that will participate in the Health Score.
SQL Agent CPU Utilization	The name of a metric that will participate in the Health Score.
SQL Agent Resident Memory Used	The name of a metric that will participate in the Health Score.
SQL Agent Swap Memory Used	The name of a metric that will participate in the Health Score.
SQL Batches Rate	The name of a metric that will participate in the Health Score.
SQL Executions	The name of a metric that will participate in the Health Score.
SQL Server Background CPU Utilization	The name of a metric that will participate in the Health Score.
SQL Server CPU Utilization	The name of a metric that will participate in the Health Score.

MSSQL/PI Power Pack - Groups Overview

Alarms

Health
Score

Availability

CPU
Utilization

Databases

Key
Metrics



MSSQL / PI
Power Pack

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Various Views

Views are built from the ground up for a visually clean and professional appearance

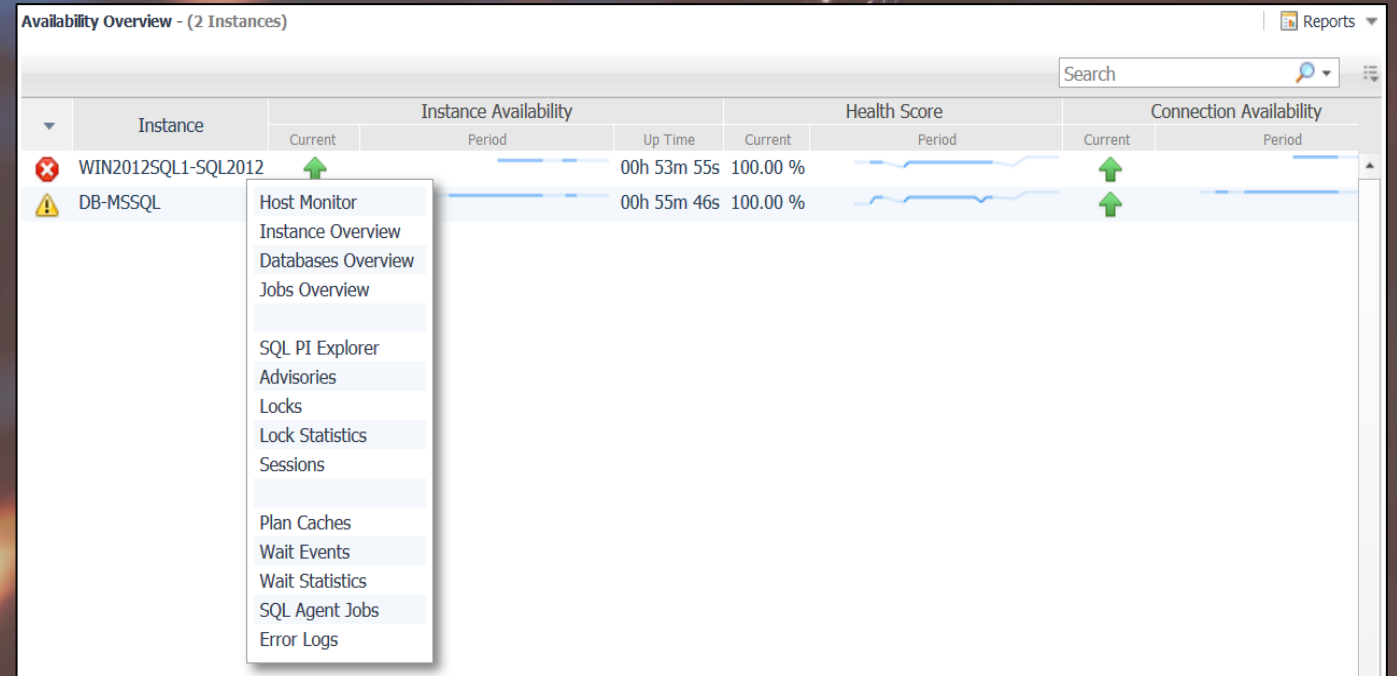
- Drill Downs
- Adaptive display
- Customizers
- Filters
- Many views offer the same feature set as the Cluster Explorer



MSSQL/PI Power Pack

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Availability Overview



MSSQL/PI Power Pack – Backup Jobs / Locations

Backup Jobs - (2 Instances)

Search

Reports

Instance	Job Name	Category	Enabled	Current Status	Curr Step #	Last Run				Next Run Time	Description
						Outcome	Time	Finish	Duration		
WIN2012SQL1-SQL2012	LiteSpeed Backup Template Fast Compression All DBs (version 1)	[Uncategorized (Local)]	⏻	Completed		Fail	2018-12-07 02:00:05	2018-12-07 02:00:05	00h 00m 05s	2018-12-10 02:00:00	LiteSpeed Backup Template Fast Compression All DBs (version 1)
WIN2012SQL1-SQL2012	Host Monitor	Over Update Native Backup statistics	⏻								LiteSpeed for SQL Server Update Native Backup statistics

Host Monitor

Instance Overview

Databases Overview

Jobs Overview

SQL PI Explorer

Advisories

Locks

Lock Statistics

Sessions

Plan Caches

Wait Events

Wait Statistics

SQL Agent Jobs

Error Logs

Backup Locations - (2 Instances)

Total Avg Min Max Max Trend

Search

Reports

Instance	Name	Media Free Space	
		Current	
WIN2012SQL1-SQL2012	C:	13.89	

Host Monitor

Instance Overview

Databases Overview

Jobs Overview

SQL PI Explorer

Advisories

Locks

Lock Statistics

Sessions

Plan Caches

Wait Events

Wait Statistics

SQL Agent Jobs

Error Logs



MSSQL/PI Power Pack

Databases / Backup / Mirroring

The screenshot displays the Oracle Enterprise Manager console interface. The top navigation bar includes tabs for 'Metrics', 'Reset', 'Defaults', and a set of filters (Total, Avg, Min, Max, Max Trend). The main content area shows the 'Databases Overview' page, which lists various database instances. The instance 'WIN2012SQL1-SQL2' is highlighted, and its context menu is open, showing options such as 'Host Monitor', 'Instance Overview', 'Databases Overview', and 'Jobs Overview'. A 'Databases Exclude Filter' dialog box is also visible, showing a list of databases to be excluded from the view. The 'Database Backup - DB-MSSQL' window is also open, showing a table of database backup information.

Instance	Name	Status	DB ID
WIN2012SQL1-SQL2	LiteSpeedLocal	SUSPECT	6
WIN2012SQL1-SQL2	Host Monitor	ADMIN	9
DB-MSSQL	Instance Overview	ADMIN	5
DB-MSSQL	Databases Overview	ADMIN	6
WIN2012SQL1-SQL2	Jobs Overview	ADMIN	7
WIN2012SQL1-SQL2	SQL PI Explorer	ADMIN	10
WIN2012SQL1-SQL2	Advisories	ADMIN	5
WIN2012SQL1-SQL2	Locks	ADMIN	5
WIN2012SQL1-SQL2	Lock Statistics	ADMIN	5
WIN2012SQL1-SQL2	Sessions	ADMIN	5

Database Name	dbid	Status	Recovery Model
psso_admin_pack_demo	5	ONLINE	SIMPLE
psso_admin	6	ONLINE	SIMPLE

The screenshot shows the SQL Enterprise Manager interface. The main window displays a table of databases with columns: Database Name, dbid, Status, Recovery Model, and Last Backup. The 'Databases Exclude Filter' dialog box is open, showing a list of databases with checkboxes. A red arrow points to the 'Databases Exclude Filter' button in the top right corner of the main window.

Database Name	dbid	Status	Recovery Model	Last Backup
psu_admin_pack_demo	5	ONLINE	SIMPLE	
psu_admin	6	ONLINE	SIMPLE	

The 'Databases Exclude Filter' dialog box is open, showing a list of databases with checkboxes. A red arrow points to the 'Databases Exclude Filter' button in the top right corner of the main window.

Databases Mirroring - (2 Instances)																	Reports			
Search																				
Instance	Database	DBID	Mirroring				Principal				Mirror	Partner		Witness		Queue			Fallover	
			Role	State	Safety Level	Roundtrip Latency	Instance	Connection Timeout	Commit Acknowledgment Delay	Write Commit		Name	Role Sequence	Name	State	Redo	Send	Roll Forward		
			7	MIRROR		SYNCHRONIZED	FULL	829.06 sec		10	0.00	0.00			1	UNKNOWN	UNLIMITED	0.00	0.00	227700000053493
			6	MIRROR		SYNCHRONIZED	FULL	97.30 sec		10	0.00	0.00			3	UNKNOWN	UNLIMITED	0.00	0.00	43500001453772
			7	PRINCIPAL		SYNCHRONIZED	FULL	41.26 sec		10	4,536	0.15			1	UNKNOWN	UNLIMITED	0.00	0.00	227700000056544
			6	PRINCIPAL		SYNCHRONIZED	FULL	7.11 sec		10	2,353	0.14			3	UNKNOWN	UNLIMITED	0.00	0.00	43500001455061



MSSQL/PI Power Pack – Deadlock Summary

Deadlock Summary By Application - (3 Instances)

Metrics Reset Defaults Total Avg Min Max Max Trend Search

Instance	Name	Deadlock Chain Count	Deadlock Count	Log Used	Transaction Lost Time	Wait Time
		Current	Current	Current	Current	Current
WIN2012SQL1-SQL2012		.	1.00	0.13	14.99	2.51

Host Monitor

Instance Overview

Databases Overview

Jobs Overview

SQL PI Explorer

Advisories

Locks

Lock Statistics

Sessions

Plan Caches

Wait Events

Wait Statistics

SQL Agent Jobs

Error Logs

Deadlock Summary By Database - (3 Instances)

Metrics Reset Defaults Total Avg Min Max Max Trend Search

Instance	Name	Deadlock Chain Count	Deadlock Count	Log Used	Transaction Lost Time	Wait Time
		Current	Current	Current	Current	Current
WIN2012SQL1-SQL2012	psa_admin_pack_dev	.	1.00	0.13	14.99	2.51

Host Monitor

Instance Overview

Databases Overview

Jobs Overview

SQL PI Explorer

Advisories

Locks

Lock Statistics

Sessions

Plan Caches

Wait Events

Wait Statistics

SQL Agent Jobs

Error Logs

Deadlock Summary By Object - (3 Instances)

Metrics Reset Defaults Total Avg Min Max Max Trend Search

Instance	Name	Second Object Name	Deadlock Chain Count	Deadlock Count	Log Used	Transaction Lost Time	Wait Time
			Current	Current	Current	Current	Current
WIN2012SQL1-SQL2012	psa_admin_pack_dev.sys.syschobjs		.	1.00	.	25.79	25.78
WIN2012SQL1-SQL2012	psa_admin_pack_dev.dbo.DeadLockTest		.	1.00	0.13	14.99	2.51

Host Monitor

Instance Overview

Databases Overview

Jobs Overview

SQL PI Explorer

Advisories

Locks

Lock Statistics

Sessions



File Groups - DB-MSSQL

Metrics Reset Defaults Total Avg Min Max Max Trend

Database	Name	% Free Latest	% Used Latest	Free Size Latest	Size Latest	Utilization Latest
psso_admin_pack_demo	<Log>	99.90	0.10	1,022.90	1,024.00	0.00
psso_admin_pack	PRIMARY					
psso_admin_pack	<Log>					
psso_admin_pack	PRIMARY					

File Groups Customizer

Databases Exclude Filter File Groups Exclude Filter

Select All Select None Apply

Search

General Design Help

Actions

File Groups Customizer Properties... Bookmark... Make this my home page

Host Monitor Instance Overview Databases Overview Jobs Overview

SQL PI Explorer Advisories Locks Lock Statistics Sessions

Plan Caches Wait Events Wait Statistics SQL Agent Jobs Error Logs

Files - (3 Instances)

Metrics Reset Defaults Total Avg Min Max Max Trend

Instance	Database	File Group	Name	Type	Is Auto Grow	Is Growth By %	Growth Increment	% Free Latest	% Used Latest	Max Size Latest	Size Latest	Used Size Latest
DB-MSSQL	psso_admin_pack_dev	<Log>	psso_admin_pack_dev_log	Log			10%	92.53	7.47	2,097,152.00	1,363.06	101.86
DB-MSSQL	psso_admin_pack_dev	PRIMARY	psso_admin_pack_dev	Rows			1 MB	74.50	25.50	-1.00	4,096.00	1,044.56
WIN2012SQL1-SQL2012	psso_admin_pack_dev	<Log>	psso_admin_pack_dev_log									
WIN2012SQL1	psso_admin_pack_dev	PRIMARY	psso_admin_pack_dev									

Files Customizer

Databases Exclude Filter File Groups Exclude Filter

Select All Select None Apply

Search

General Design Help

Actions

Files Customizer Properties... Bookmark... Make this my home page

Other Actions New window

Host Monitor Instance Overview Databases Overview

Full Text Catalog - (3 Instances)

Metrics Reset Defaults Total Avg Min Max Max Trend

Instance	Database	Name	Index Size Period Avg	Item Count Period Avg	Table Count Latest
WIN2012SQL2-SQL2012					

Databases Exclude Filter

Select All Select None Apply

Search

General Design Help

Actions

Databases Exclude Filter Properties... Bookmark... Make this my home page

Host Monitor Instance Overview Databases Overview Jobs Overview

SQL PI Explorer Advisories Locks Lock Statistics Sessions

MSSQL/PI Power Pack

File Groups / Files / Full Text Catalog

MSSQL/PI Power Pack

Index Fragmentation Summary

Index Fragmentation Summary - (2 Instances)

Instance	Object Name	Index Type	Partition Information					
			#	Out Of	Estimated Rows	Reserved (MB)	Avg. Fragmentation (%)	Scans
WIN2012SQL1-SQL2012		CLUSTERED INDEX	1	1	1	0	0	4

Index Fragmentation Inputs

Min. Fragmentation %: 0

Min. Partition Size In MB: 0

Min. Operations: 0

Reload Indexes

Databases Exclude Filter

Select All Select None Apply

Search

Instances - (2 Instances)

Metrics Reset Defaults Total Avg Min Max Max Trend Search

Name	Host Memory Utilization Current	Non SQL CPU Utilization Current	SQL Server CPU Utilization Current	SQL Server Memory Utilization Current	Total CPU Utilization Current
WIN2012SQL1-SQL2012	20.35	2.38	0.18	10.02	2.56
DB-MSSQL					

Advisory

- Host Monitor
- Instance Overview
- Databases Overview
- Jobs Overview
- SQL PI Explorer
- Advisories
- Locks
- Lock Statistics
- Sessions
- Plan Caches
- Wait Events
- Wait Statistics
- SQL Agent Jobs
- Error Logs

Instances Inventory - (2 Instances)

Search

Instance	Product	Edition	Service Pack	Operating System	# Processors	Physical Memory	Proc II
WIN2012SQL1-SQL2012							1
DB-MSSQL							1

- Host Monitor
- Instance Overview
- Databases Overview
- Jobs Overview
- SQL PI Explorer
- Advisories
- Locks
- Lock Statistics
- Sessions
- Plan Caches
- Wait Events
- Wait Statistics
- SQL Agent Jobs
- Error Logs

MSSQL/PI Power Pack – Instances / Inventory

MSSQL/PI Power Pack – Locks / Statistics

Locks - (3 Instances)

Instance	Database Name	spid	Lock Count	Index Name	Object Name	Type	Mode	Status	Login Name
WIN2012SQL1-SQL2012	pso_admin_pack_dev	67	1			DATABASE	S	GRANT	
WIN2012SQL1	pso_admin_pack_dev	66	1						
WIN2012SQL1	pso_admin_pack_dev	59	1						
WIN2012SQL1	pso_admin_pack_dev	58	1						
WIN2012SQL2	pso_admin_pack_dev	60	1						

Databases Exclude Filter

Select All Select None Apply

Search

General Design Help

Actions

- Databases Exclude Filter
- Properties...
- Bookmark...
- Make this mv home page

Lock Statistics - DB-MSSQL

Metrics Reset Defaults Total Avg Min Max Max Trend

Search

Name	Deadlocks Rate	Lock Requests Rate	Lock Timeouts Rate	Total Wait Time Rate	Total Waits Rate
	Current	Current	Current	Current	Current
AllocUnit
Applic
Host Monitor
Instance Overview	.	3.25	.	.	.
Databases Overview	.	0.07	.	.	.
Jobs Overview	.	0.01	.	.	.
SQL PI Explorer	.	0.14	.	.	.
Advisories	.	10.97	.	.	.
Locks	.	5.27	.	.	.
Lock Statistics	.	6.20	.	.	.
Sessions
Plan Caches	.	0.12	.	.	.
Wait Events	.	0.05	.	.	.
Wait Statistics
SQL Agent Jobs
Error Logs



MSSQL / PI Power Pack

Logical Disks / Log Shipping

Logical Disks Usage - (2 Instances)

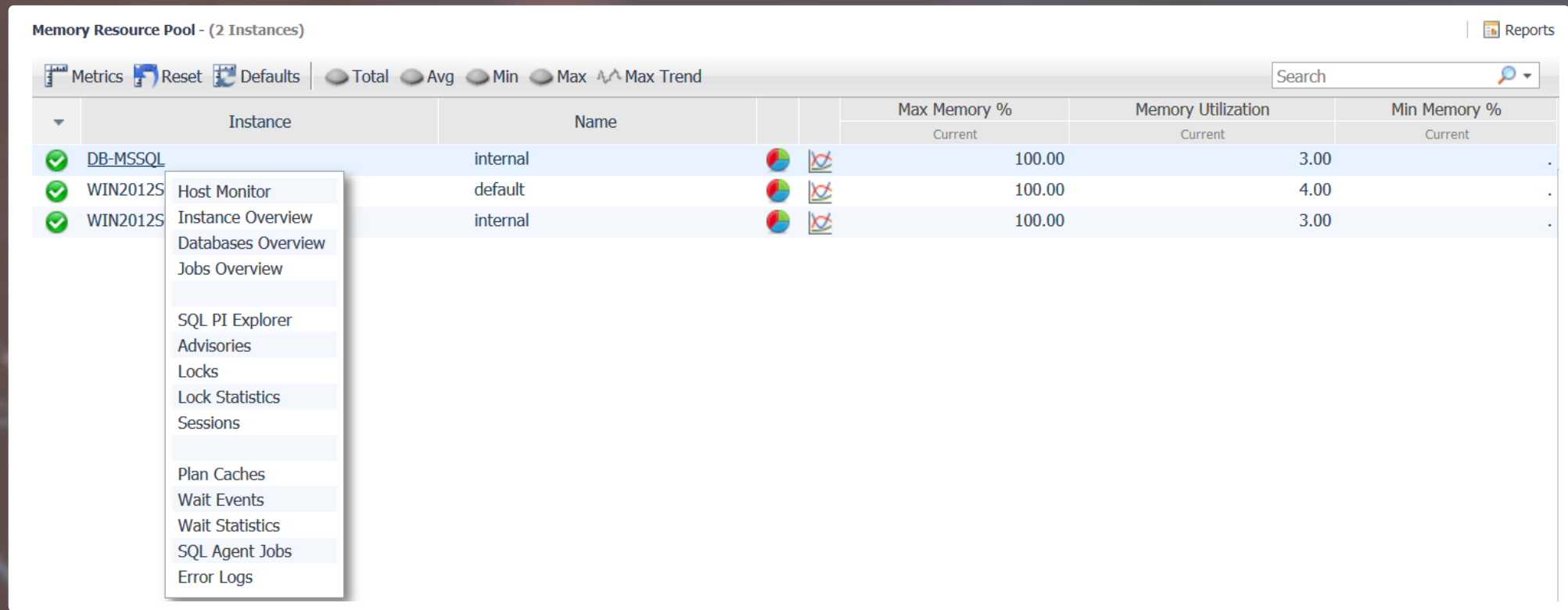
	Instance	Drive	Used %				Free Space				Used Space			
			Current	Period			Current	Period			Current	Period		
				Avg	Max			Avg	Max			Avg	Max	
✓	WIN2012SQL1-SQL2012	C:	65.18	65.18	65.18		13.89 GB	13.89 GB	13.89 GB		26.01 GB	26 GB	26.01 GB	
✓	DB-MSSQL		7.95	47.95	47.95		52.05 GB	52.05 GB	52.05 GB		47.95 GB	47.95 GB	47.95 GB	

- Host Monitor
- Instance Overview
- Databases Overview
- Jobs Overview
- SQL PI Explorer
- Advisories
- Locks
- Lock Statistics
- Sessions
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- Wait Events
- Wait Statistics
- SQL Agent Jobs
- Error Logs

Log Shipping - (3 Instances) Reports

Search

Server	DBName	Outage	Alert Job			Activities								Servers Time		
			Threshold	Threshold Alert	Alert Enabled	Activity Type	Last Activity Time	Last Backup		Last Copy		Last Restore		Source	Target	Monitor
								File	Time	File	Time	File	Time			
There Is No Data To Display																



MSSQL/PI Power Pack – Memory Resource Pool

MSSQL/PI Power Pack – Plan Caches / Services Status

Plan Caches - DB-MSSQL

Metrics Reset Defaults Total Avg Min Max Max Trend Search

Name	Plan Cache Hit Rate (%)	Plan Cache Objects	Plan Cache Use Rate
	Current	Current	Current
Bound Trees	97.54	189.00	
Extended Stored Procedures	99.44	5.00	
Object	91.21	8.00	1.00

Host Monitor
Instance Overview
Databases Overview
Jobs Overview
SQL PI Explorer
Advisories
Locks
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Services Status - (2 Instances)

Search

Instance	ADH	Browser	DTC	Full Text Search	OLAP	SQL Server Mail	SQL Server Agent	Writer	Integration
DB-MSSQL	Not Installed	Stopped	Running	Not Installed	Not Installed	-	Stopped	Running	Not Installed
WIN2012	Not Installed	Running	Running	Not Installed	Not Installed	-	Running	Running	Not Installed

Host Monitor
Instance Overview
Databases Overview
Jobs Overview
SQL PI Explorer
Advisories
Locks
Lock Statistics
Sessions
Plan Caches
Wait Events
Wait Statistics
SQL Agent Jobs
Error Logs

MSSQL/PI Power Pack – Sessions

The screenshot displays the 'Sessions - DB-MSSQL' interface. A red callout labeled 'Filters' points to a menu on the left containing options like 'Host Monitor', 'Instance Overview', 'Databases Overview', 'Jobs Overview', 'SQL PI Explorer', 'Advisories', 'Locks', 'Lock Statistics', 'Sessions', 'Plan Caches', 'Wait Events', 'Wait Statistics', 'SQL Agent Jobs', and 'Error Logs'. A 'Kill Session' dialog box is open, showing a warning: 'Killing a session requires having either sysadmin or processadmin privileges. Please provide a SQL Server account with any of these privileges.' The dialog includes fields for 'Authentication' (set to 'Windows'), 'User', and 'Password', along with a 'Script:' section. A red arrow points from the 'Kill Session' button in the dialog to the 'Kill Session' button in the main interface. Below the dialog, the 'SQL Activity' section shows a table of sessions with columns for SPID, DB User, Database, Status, Current Wait Time, CPU Usage, Memory Usage, Blocked By, Logical Reads, Physical Reads, Writes, Waiting On, Program, Host Name, Last SQL, Last Batch, Context Info, Last Command, Transaction Count, and Last Batch. The table lists three sessions: SPID 56 (suspended), SPID 62 (suspended), and SPID 55 (running).

Name	Active Connections	User Inactive Connections	SQL Batches Rate	Transactions Rate	Logins Rate	Blocked Connections	Total CPU Utilization
DB-MSSQL	23.00	20.00	5.48	1.23	0.02	.	4.18

SPID	DB User	Database	Status	Current Wait Time	CPU Usage	Memory Usage	Blocked By	Logical Reads	Physical Reads	Writes	Waiting On	Program	Host Name	Last SQL	Last Batch	Context Info	Last Command	Transaction Count	Last Batch
56			suspended	1.67	0.01	0.00	0	3.00	0.00	0.00	TRACEWRITE (Idle Time)					DB-MSSQL	SELECT	0	10/12/2018
62			suspended	1.52	0.00	0.00	0	3.00	0.00	0.00	TRACEWRITE (Idle Time)					DB-MSSQL	SELECT	0	10/12/2018
55			running	0.00	0.01	0.00	0	303.00	6.00	0.00						DB-MSSQL-QUERY_CURRENT_SESSIONS	SELECT	0	10/12/2018



MSSQL/PI Power Pack

SQL Agent Jobs

SQL Agent Jobs - (3 Instances)

</

Wait Events - (3 Instances)

Metrics Reset Defaults Total Avg Min Max Max Trend Search

Name	CLR Wait Rate	CPU Usage Rate	CPU Wait Rate	I/O Wait Rate	Latch Wait Rate	Lock Wait Rate	Memory Wait Rate	Network Wait Rate	Other Wait Rate	Remote Provider Wait Rate	XTP Wait Rate
	Current	Current	Current	Current	Current	Current	Current	Current	Current	Current	Current
WIN2012SQL1-SQL2012											
WIN2012SQL2-S											
DB-MSSQL											

- Host Monitor
- Instance Overview
- Databases Overview
- Jobs Overview
- SQL PI Explorer
- Advisories
- Locks
- Lock Statistics
- Sessions
- Plan Caches
- Wait Events
- Wait Statistics
- SQL Agent Jobs
- Error Logs

Wait Statistics - DB-MSSQL

Total Avg Min Max Max Trend Search

Main Category	Sub-Category	Name	Wait Time Latest
✓ CLR Wait	CLR Wait	CLR_AUTO_EVENT	-
✓ CPU Wait	CPU Wait	SOS_SCHEDULER_YIELD	0.05
✓ I/O Wa	I/O Completion	ASYNC_IO_COMPLETION	-
✓ I/O Wa	I/O Completion	IO_COMPLETION	-
✓ I/O Wa	I/O Completion	WRITE_COMPLETION	-
✓ I/O Wa	I/O Data Page	PAGEIOLATCH_EX	0.00
✓ I/O Wa	I/O Data Page	PAGEIOLATCH_SH	0.01
✓ I/O Wa	I/O Data Page	PAGEIOLATCH_UP	-
✓ I/O Wa	I/O Data Page	PREEMPTIVE_OS_CREATEFILE	-
✓ I/O Wa	I/O Data Page	PREEMPTIVE_OS_FILEOPS	-
✓ I/O Wa	Latch Buffer	PAGELATCH_EX	0.07
✓ I/O Wa	Latch Buffer	PAGELATCH_SH	0.00
✓ Latch V	Internal Cache Latch	LATCH_SH	0.00
✓ Lock W	Lock Schema	LCK_M_SCH_M	-
✓ Lock W	Lock Shared	LCK_M_S	-
✓ Log Wa	Log Buffer	LOGBUFFER	-
✓ Log Wa	Log Write	CHKPT	-

- Host Monitor
- Instance Overview
- Databases Overview
- Jobs Overview
- SQL PI Explorer
- Advisories
- Locks
- Lock Statistics
- Sessions
- Plan Caches
- Wait Events
- Wait Statistics
- SQL Agent Jobs
- Error Logs

MSSQL/PI Power Pack – Wait Events / Wait Statistics

MSSQL/PI Power Pack – Perfmon / UDC

Windows Performance Monitor - (3 Instances)

Metrics Reset Defaults Total Avg Min Max Max Trend Search

Name

There Is No Data To Display

Performance Counters Exclude Filter

Select All Select None Apply Search

Actions

Rebuild Perfmon

Performance Counters Exclude Filter

User Defined Collections - (2 Instances)

Metrics Reset Defaults Total Avg Min Max Max Trend Search

Instance	Collection	Name	last_clear (UDC)	last_clear_Rate (UDC)
WIN2012SQL1-SQL2012	Test1			
WIN2012SQL1-SQL2012	Host Monitor			
WIN2012SQL1-SQL2012	Instance Overview			
WIN2012SQL1-SQL2012	Databases Overview			
WIN2012SQL1-SQL2012	Jobs Overview			
WIN2012SQL1-SQL2012	SQL PI Explorer			
WIN2012SQL1-SQL2012	Advisories			
WIN2012SQL1-SQL2012	Locks			
WIN2012SQL1-SQL2012	Lock Statistics			
WIN2012SQL1-SQL2012	Sessions			
WIN2012SQL1-SQL2012	Plan Caches			
WIN2012SQL1-SQL2012	Wait Events			
WIN2012SQL1-SQL2012	Wait Statistics			
WIN2012SQL1-SQL2012	SQL Agent Jobs			
WIN2012SQL1-SQL2012	Error Logs			

UDCs (User Defined Collections) Exclude Filter

Select All Select None Apply Search

Test1

UDCs (User Defined Collections) Exclude Filter

Actions

Rebuild UDCs

UDCs (User Defined Collections) Exclude Filter

MSSQL/Power Pack - Analytics

24 Hour Window View

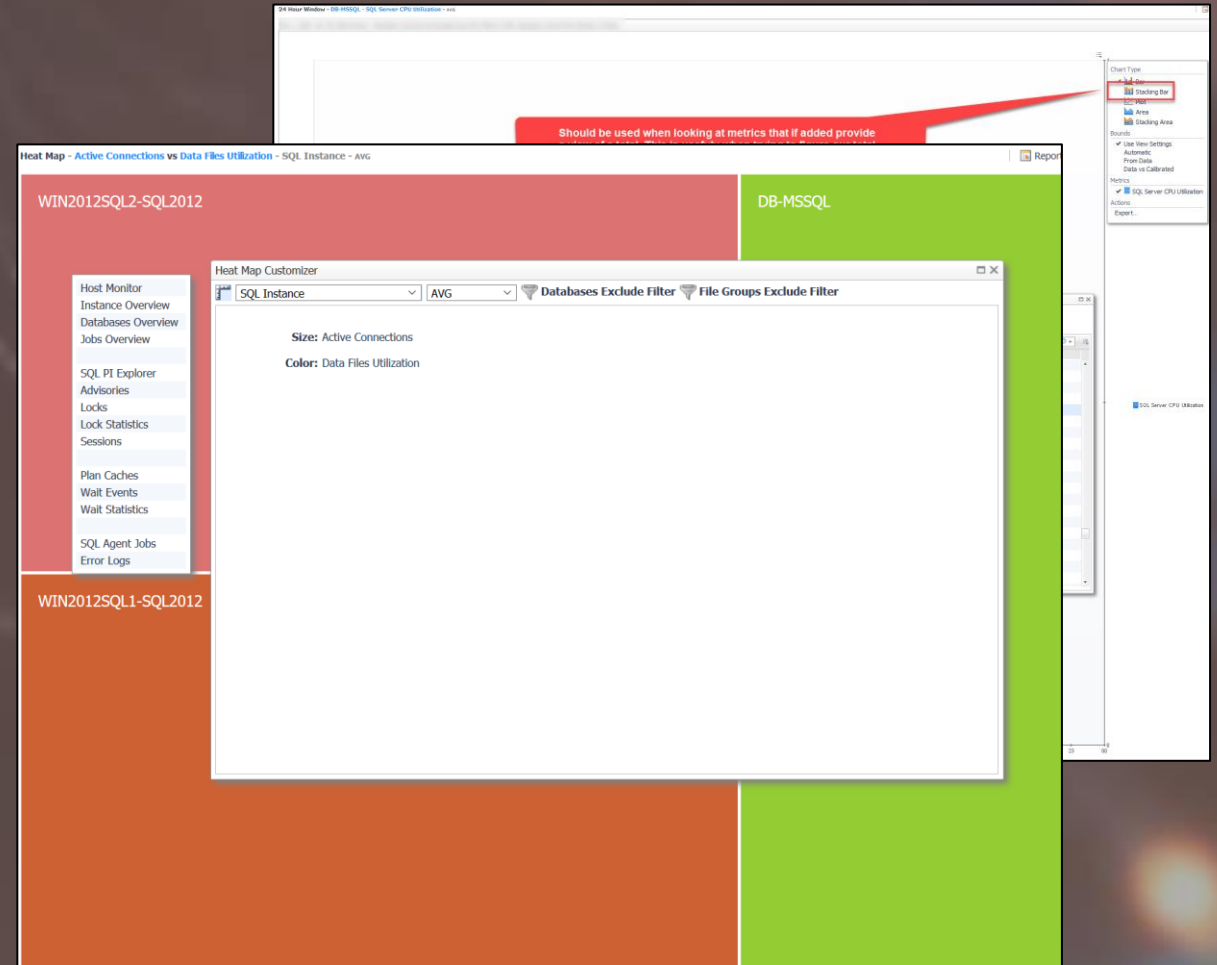
Get Insight into how a resource is utilized within a 24-hour day based on historical data

Analyze Data Using

- Time Plot Charts
- Time Bar Charts
- Clustered Bar Charts

Advanced Analytics Using

- Bubble Charts
- Scatter Charts
- Heat Maps



MSSQL / PI Power Pack – Drag & Drop



All the views can be dragged

1. Directly from the 'Views' Tab
2. One or more instances can be moved dragging
3. Drag a service
4. Drag a group



Advanced customizers allow for the selection and application of filters when appropriate by

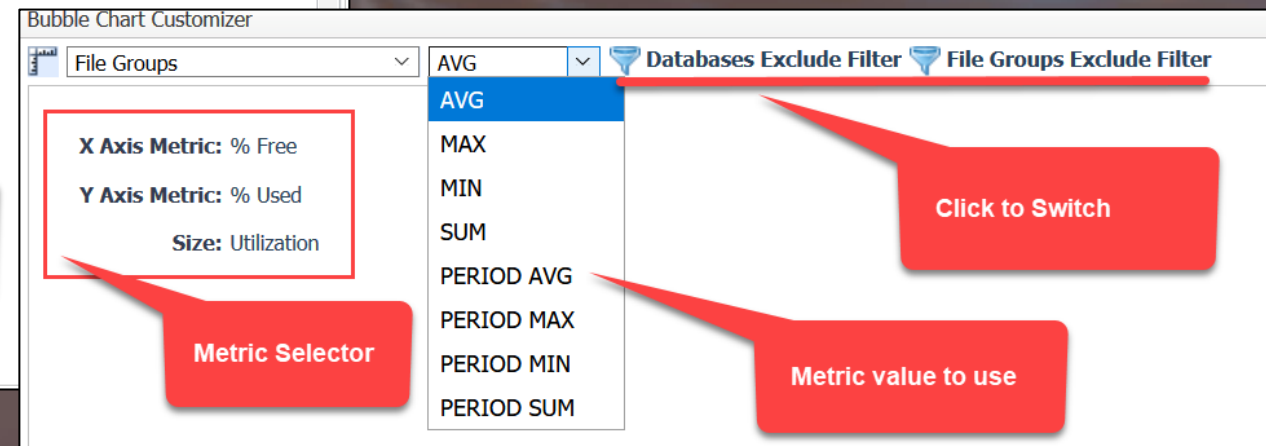
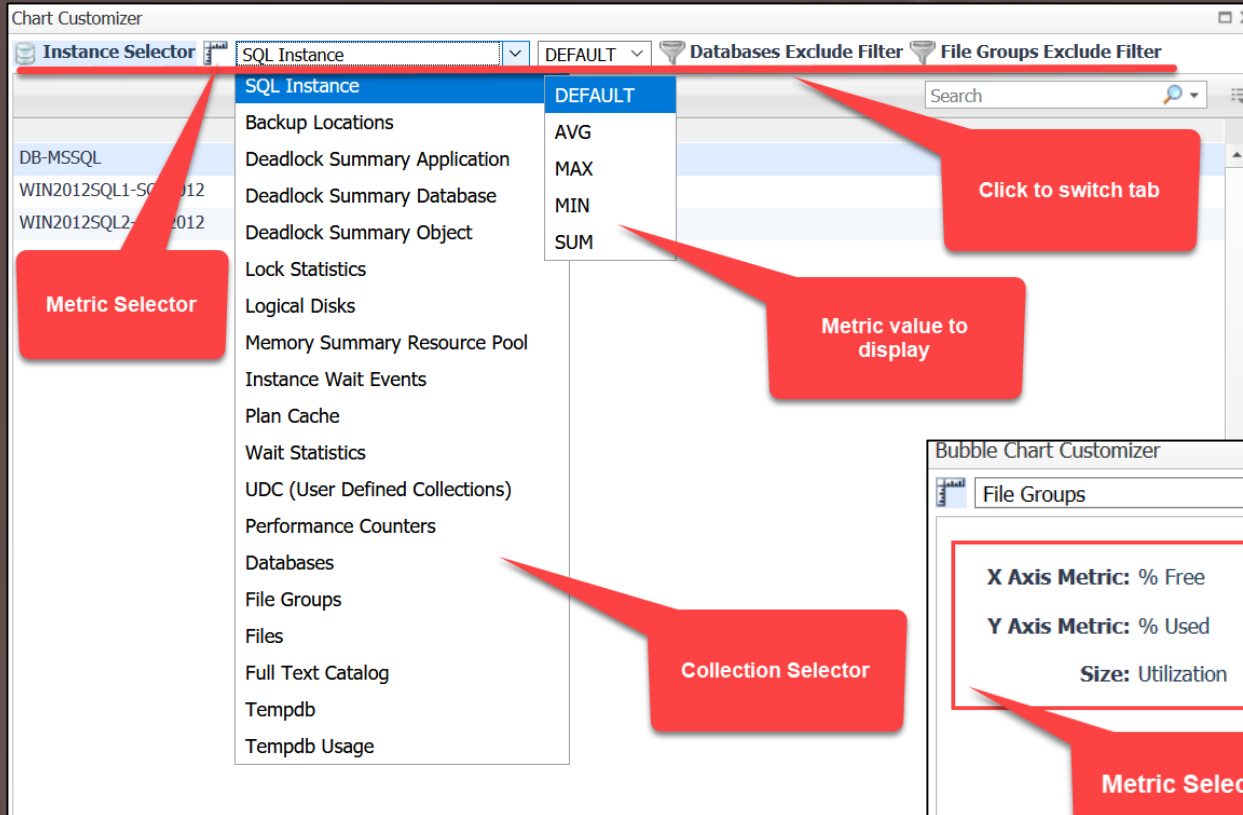
- *Instances
- *Groups
- *Services
- *Metrics



Some filters have defaults defined in the registry variables but can be overridden using the customizers

MSSQL / PI Power Pack

Drag & Drop



MSSQL/PI Power Pack – Report

Maximum flexibility for reporting

Specify
printing
preferences
with these
parameters

Which views (All views available for output – No Analytics)

Time Range

Group, Service and/or list of Instances

Order in which to print the views

- Specify which metrics to display per view

Exclude Filters for:

- Databases
- File Groups
- Jobs



MSSQL/PI Power Pack – Capacity Planning

3 distinct 'Capacity Planning' Sections

- Days to Full
- Trends
- Value in N Days

Mode	Past Days	Forecast Days	Value To Use	
% of Capacity ▾ 10 ▾	180 ▾	180 ▾	MAX ▾	Apply
Maximum Capacity	30	30	AVG	
% of Capacity	60	60	MAX	
	90	90		
	180	180		

MSSQL / PI Power Pack – Capacity Planning Days To Full

Indicates the number of days it would take before the resource is exhausted

The respective icon the toolbar provides the ability to view number of days to reach 70%, 80% and 90% capacity.

Views available for

- Databases
- File Groups
- Files
- Instances
- Logical Disks

Databases Days To Full - WIN2012SQL1-SQL2012 Reports

70% 80% 90%

	Name	Status	DB ID	Data Files Used Space		Log Files Used Space	
				Full		Full	
⚠		ONLINE	5		2+ Years		2+ Years
⚠		ONLINE	9		2+ Years		2+ Years
⚠		ONLINE	11		2+ Years		2+ Years
⚠		ONLINE	12		2+ Years		2+ Years
⚠		ONLINE	10		41		2+ Years
⚠		ONLINE	7		10 Max: 250.0 megabytes		2+ Years
✖		ONLINE	8		FULL		2+ Years

File Groups Days To Full - (2 Instances) Reports

70% 80% 90%

	Instance	Database	Name	Used Size	
				90%	Full
✓	WIN2012SQL2-SQL2012		<Log>	127	141
✓	WIN2012SQL2-SQL2012		PRIMARY	33	37
✓	WIN2012SQL2-SQL2012		<Log>	16	Max: 10.0625 megabytes
			<Log>	7	7
			PRIMARY	FULL	FULL

Files Days To Full - (3 Instances) Reports

70% 80% 90%

	Instance	Database	File Group	Name	Type	Is Auto Grow	Is Growth By %	Growth Increment	Used Size			
									70%	80%	90%	Full
✓	WIN2012SQL2-SQL2012		<Log>		Log	⏻	⏻	10%	77	88	99	110
✓	WIN2012SQL2-SQL2012		PRIMARY		Rows	⏻	⏻	1 MB	29	33	37	41
✓	WIN2012SQL2-SQL2012		<Log>		Log	⏻	⏻	10%	12	14	15	17
✓	WIN2012SQL2-SQL2012		<Log>		Log	⏻	⏻	10%	6	7	8	9
✓	WIN2012SQL1-SQL2012		PRIMARY		Rows	⏻	⏻	1 MB	FULL	Max: 52.0 megabytes	FULL	FULL

MSSQL / PI Power Pack

Capacity Planning – Days To Full

MSSQL/PI Power Pack – Capacity Planning – Trends

Trending	Views available for:
Provides a graph indicating past data, future data and the maximum capacity (red dotted line)	Databases File Groups Files Instances Logical Disks

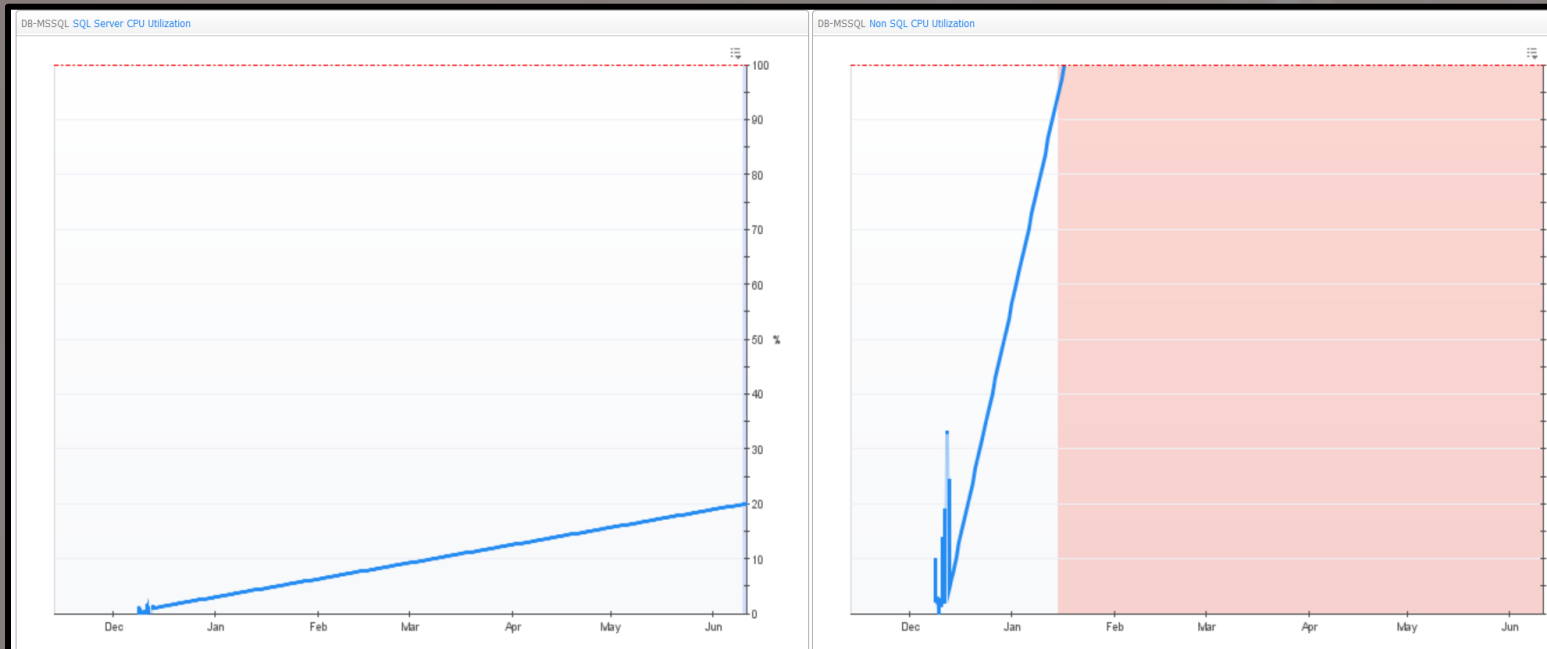
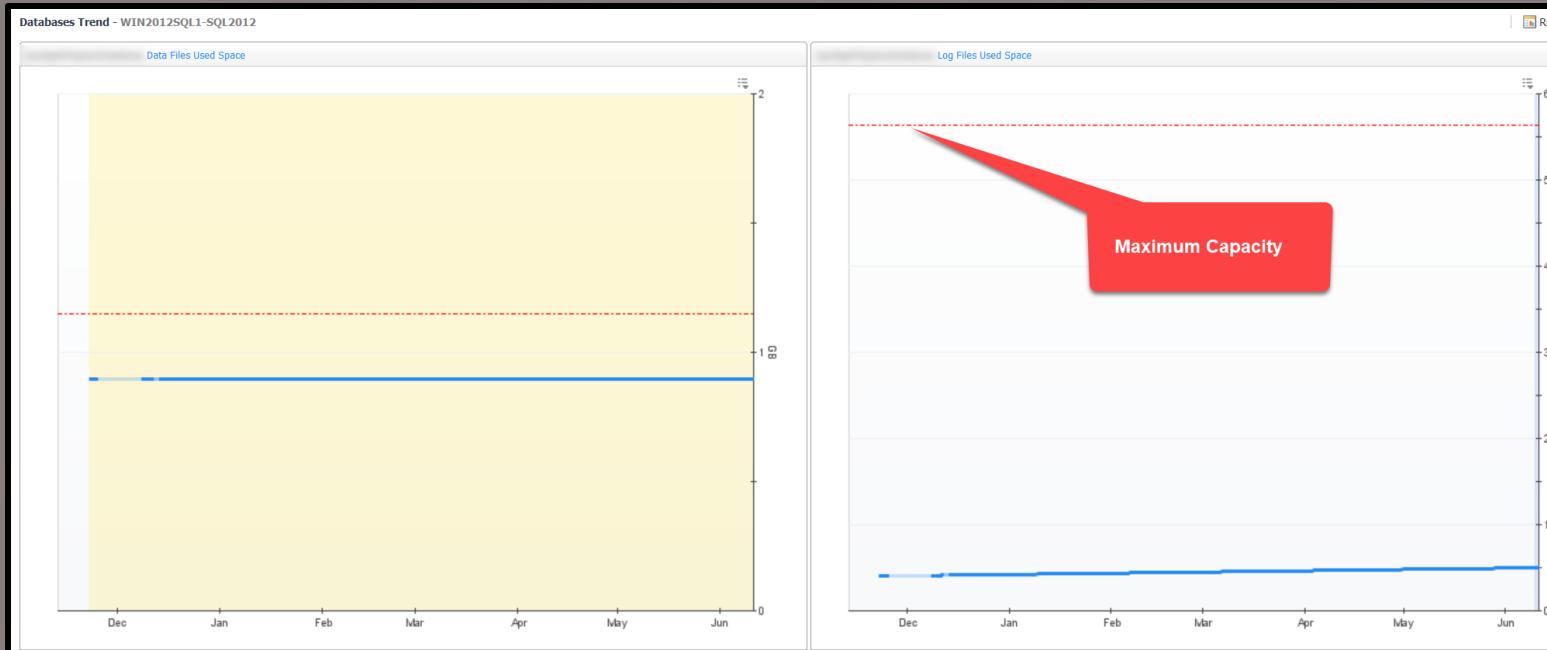
Section closest to the maximum is highlighted:

$\geq 95\%$ Red

$\geq 85\%$ Orange

$\geq 75\%$ Yellow

$< 75\%$ Blue



MSSQL/PI
Power Pack

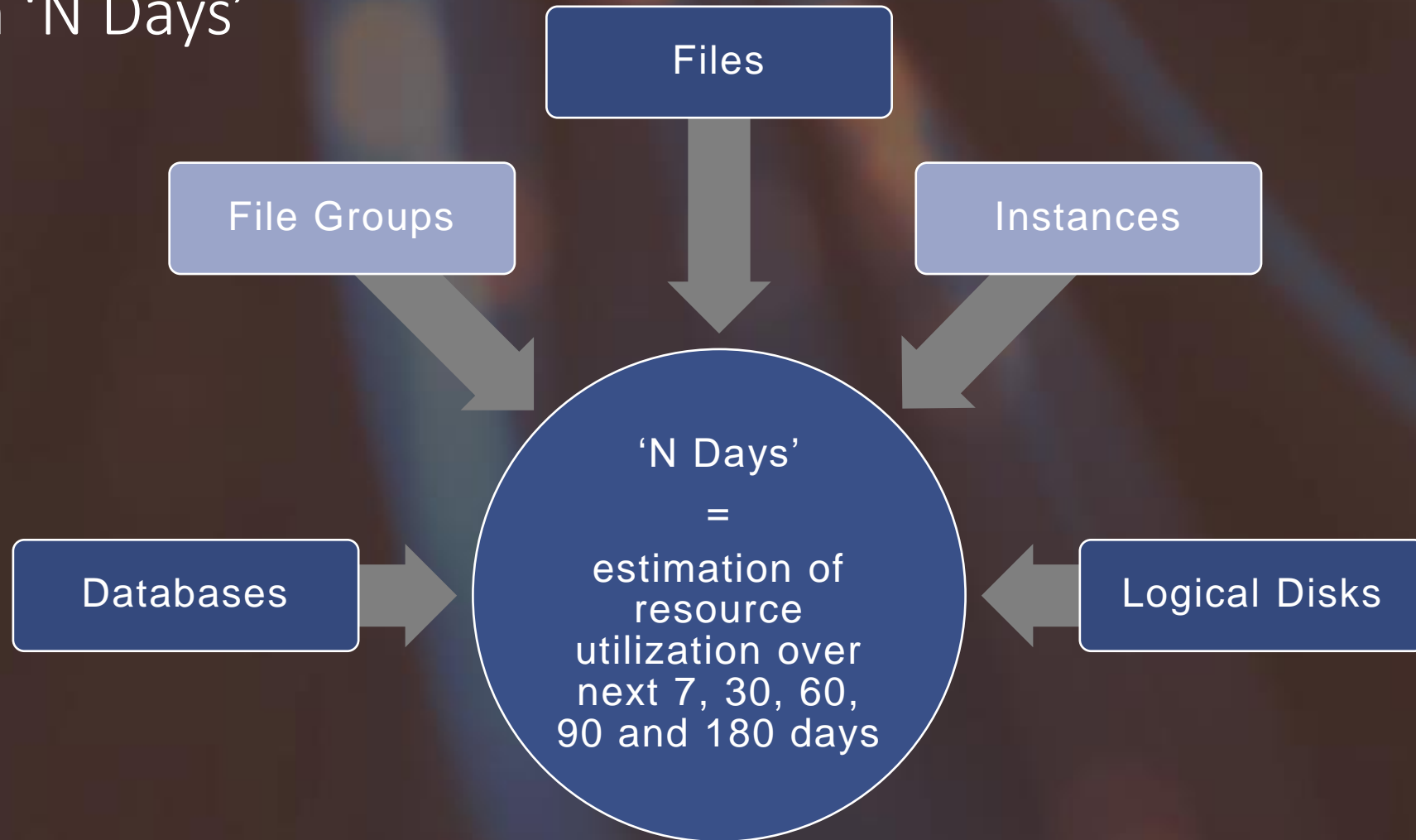
Capacity
Planning
Trends

LightSpeed PM — Silver + Quest Partner



MSSQL/PI Power Pack – Capacity Planning

Value in 'N Days'



MSSQL / PI Power Pack – Capacity Planning

Value in 'N Days'

Databases Value In N Days - WIN2012SQL2-SQL2012 Reports

7 Days 30 Days 60 Days 180 Days

	Name	Status	DB ID	Data Files Used Space			Log Files Used Space		
				7	90	180	7	90	180
✓	...	ONLINE	6	.	.	.	.	.	.
✓	...	ONLINE	5	.	.	.	.	.	.
✗	...	ONLINE	10	.	.	.	1.47	FULL	FULL
✗	...	ONLINE	7	9.28	FULL	FULL	51.42	FULL	FULL
✗	...	ONLINE	8	Value: 9.281431889784802 megabytes Max: 10.0625 megabytes			0.38	0.68	FULL
✓	...	ONLINE	9	.	.	.	.	.	.

Instances Value In N Days - (3 Instances) Reports

7 Days 30 Days 60 Days 180 Days

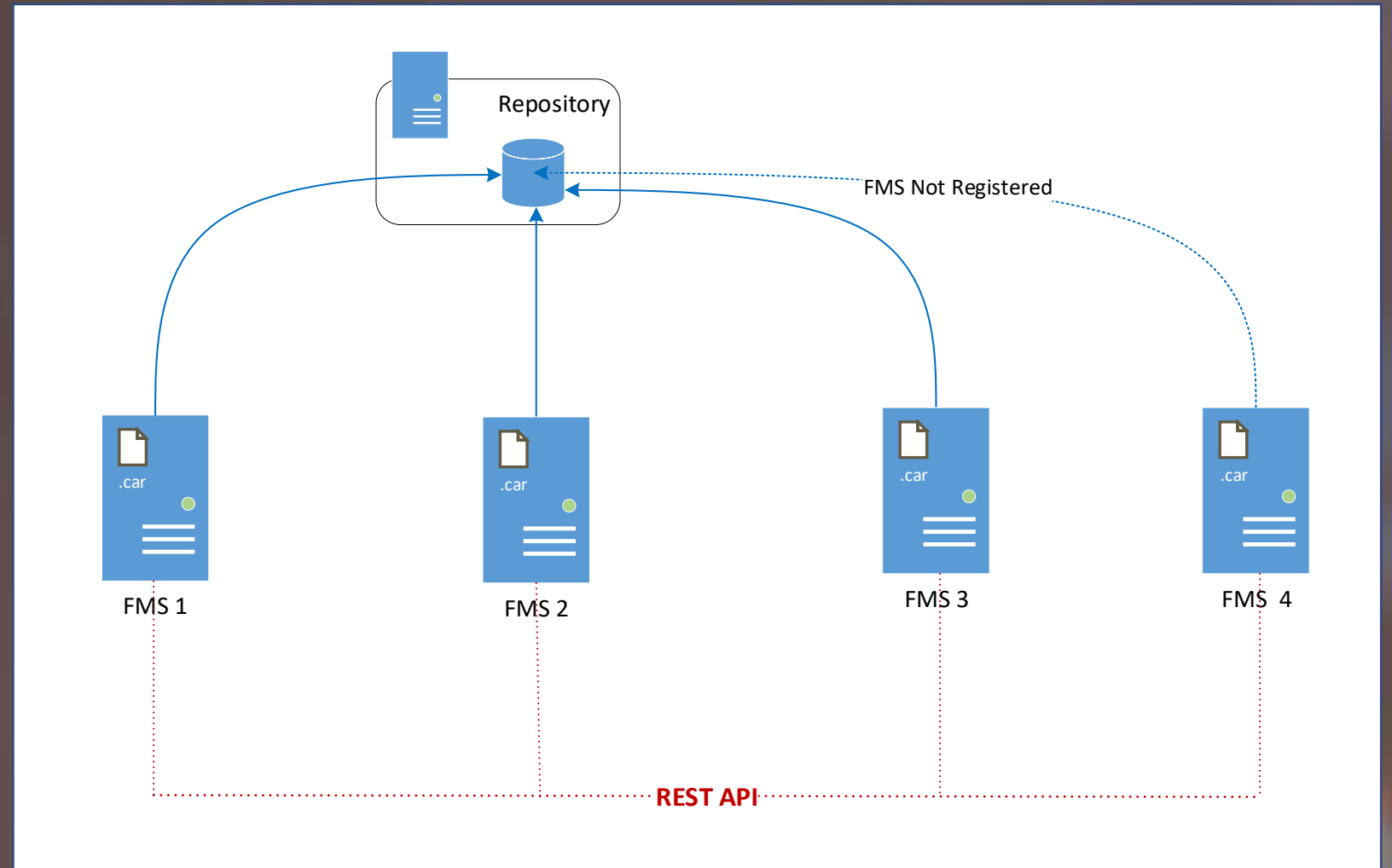
	Name	Host Memory Utilization			SQL Server Memory Utilization			SQL Server CPU Utilization			Non SQL CPU Utilization			Total CPU Utilization		
		7	90	180	7	90	180	7	90	180	7	90	180	7	90	180
⚠	DB-MSSQL	45.94	FULL	FULL	.	.	.	1.65	10.41	19.92	28.87	FULL	FULL	30.55	FULL	FULL
✗	WIN2012SQL1-SQL2012	Value: 45.938429760713106 % Max: 100			.	.	.	.	.	.	.	.	.	.	.	.
✗	WIN2012SQL2-SQL2012	.	.	.	.	.	.	0.51	3.06	5.84	.	.	.	.	.	.

Logical Disks Value In N Days - (3 Instances) Reports

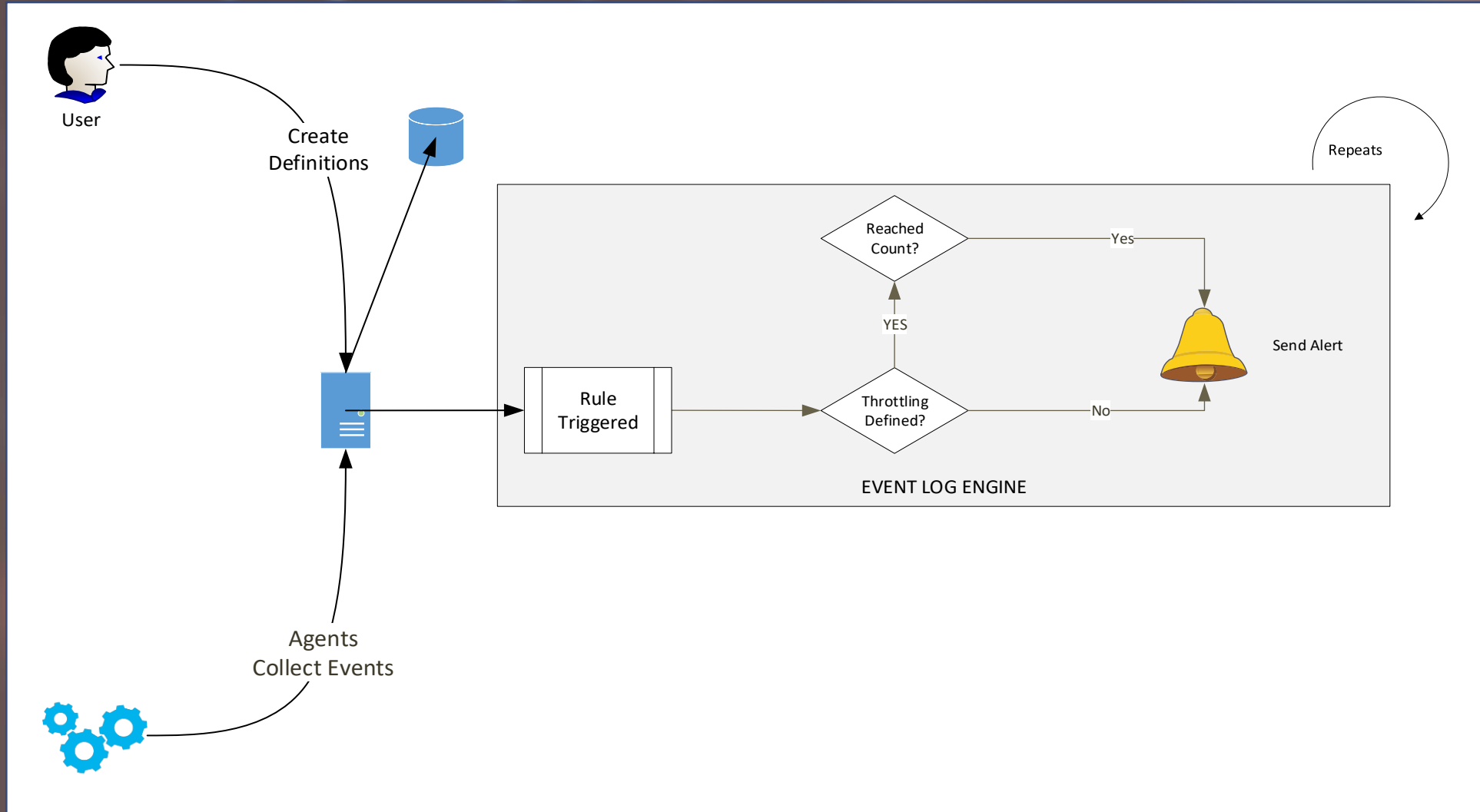
7 Days 30 Days 60 Days 180 Days

	Instance	Name	Disk Utilization		
			7	90	180
✓	DB-MSSQL	C:	49.57	61.77	75.01
✓	WIN2012SQL1-SQL2012	C:	65.20	65.21	65.21
✓	WIN2012SQL2-SQL2012	C:	.	Value: 65.20282478461665 % Max: 100	

MSSQL / PI Power Pack – Log Alerting



MSSQL/PI Power Pack - Log Alerting Flow



SQL Server Error Log Throttle Definitions Reports

Add Save Undo Filter Delete Edit Search

	Service Name	Host Name	Instance	Severity ID	Message	Duration (Seconds)	Count in Duration	Merge	
There Is No Data To Display									

Add Throttle Definition

Service Name:

Host Name:

Instance:

Severity ID:

Message:

Duration (Seconds):

Count in Duration:

Merge:

.*

.*

.*

.*

300

5

☒

PER_DEFINITION

PER_DEFINITION

PER_HOST

PER_INSTANCE







Add

Cancel

File Event Log – Throttling Definition

File Event Log – Auto Clear Definition

SQL Server Error Log Auto Clear Definitions Reports

 Add  Save  Undo  Filter  Delete  Edit Time

<input type="checkbox"/>	Service Name	Host Name	Instance	Severity ID	Message	Time (Minutes)
There Is No Data To Display						

Add Auto Clear Definition

Service Name:

Host Name:

Instance:

Severity ID:

Message:

Time (Minutes):

MSSQL/PI Power Pack - Changing Settings

The screenshot displays the 'MSSQL Power Pack Registry Settings - Local FMS' window. On the left, a sidebar shows 'Foglight Servers' with 'Local FMS' selected. The main area is divided into sections: Debug, UI, Metrics, and Group Overview. Each section contains a list of settings with their names, values, and descriptions. For example, in the 'Debug' section, 'PSO.MSSQLPowerPack.Debug' is set to 'true'. The 'UI' section lists various default exclusions for databases, file groups, UDCs, and Perfmon. The 'Metrics' section lists default metric names for various SQL instance collections. The 'Group Overview' section lists default exclusions for databases and rule names. The interface includes a 'Save' button and a 'Filter' icon at the top.

Name	Value	Scoping	Description
Debug			
PSO.MSSQLPowerPack.Debug	true		Whether or not to enable debug mode in the MSSQL Power Pack solution.
UI			
PSO.MSSQLPowerPack.UI.BackupJobs.Keywords	backup,bckp		Comma separated list of keywords that if found as part of the job's name the job is considered to be
PSO.MSSQLPowerPack.UI.DefaultExcludedDatabases	master,model,tempdb,msdb,mssqlsys...		Comma separated list of databases to be excluded in the UI and Reports. The database name lookup
PSO.MSSQLPowerPack.UI.DefaultExcludedFileGroups			Comma separated list of file groups to be excluded in the UI and Reports. The file group name lookup
PSO.MSSQLPowerPack.UI.DefaultExcludedUDCs			Comma separated list of User Defined Collections to be excluded in the UI and Reports. The UDC nam
PSO.MSSQLPowerPack.UI.DefaultExcludedPerfmon			Comma separated list of Perfmon Collections to be excluded in the UI and Reports. The Perfmon nam
Metrics			
PSO.MSSQLPowerPack.Metrics.DefaultForSQLInstance			Comma separated list of Metric Names to use as the defaults when the SQL Instance collection is sele
PSO.MSSQLPowerPack.Metrics.DefaultForLockStatistics			Comma separated list of Metric Names to use as the defaults when the Lock Statistics collection is sel
PSO.MSSQLPowerPack.Metrics.DefaultForLogicalDisks			Comma separated list of Metric Names to use as the defaults when the Logical Disks collection is sele
PSO.MSSQLPowerPack.Metrics.DefaultForMemorySummaryResourcePool			Comma separated list of Metric Names to use as the defaults when the Memory Summary Resource P
PSO.MSSQLPowerPack.Metrics.DefaultForInstanceWaitEvents			Comma separated list of Metric Names to use as the defaults when the Instance Wait Events collectio
PSO.MSSQLPowerPack.Metrics.DefaultForPlanCache			Comma separated list of Metric Names to use as the defaults when the Plan Cache collection is select
PSO.MSSQLPowerPack.Metrics.DefaultForDatabases			Comma separated list of Metric Names to use as the defaults when the Databases collection is selecte
PSO.MSSQLPowerPack.Metrics.DefaultForFileGroups			Comma separated list of Metric Names to use as the defaults when the File Groups collection is select
PSO.MSSQLPowerPack.Metrics.DefaultForFiles			Comma separated list of Metric Names to use as the defaults when the Files collection is selected. The
PSO.MSSQLPowerPack.Metrics.DefaultForTempDB			Comma separated list of Metric Names to use as the defaults when the Temp DB is selected. The Met
Group Overview			
PSO.MSSQLPowerPack.GroupOverview.DefaultExcludedDatabases	master,model,tempdb,msdb,mssqlsystemresourc...		Comma separated list of databases to be excluded in the Group Overview Databases section. The dat
PSO.MSSQLPowerPack.GroupOverview.Rules.Availability	DBSS - Instance Availability		Comma separated list of rule names to be used in the Group Overview view to drive the Availability S
PSO.MSSQLPowerPack.GroupOverview.Rules.Blocking	DBSS - Blockers, Connections, Replication D		Comma separated list of rule names to be used in the Group Overview view to drive the Blocking sect

Remote Administration of the solution across servers



BOOKMARKS

There are no bookmarks

Homes

Dashboards

Foglight Servers

Local FMS

Search

Host Name

↑

fms-593 8080

MSSQL Power Pack Rule Management - Local FMS

Select All Select None Disable Enable

Category / Title ▲	Enabled	
Alerting		
<input type="checkbox"/> Error Log Record		Generates alarms for error logs based on the Throttle definitions.
<input type="checkbox"/> Health Score		Generates alarms for when the health of an instance starts degrading.
Clean Up		
<input type="checkbox"/> Auto Clear Alarms		Handles auto clearing of the various generated error log alarms based on the defined auto-clear settings.
FMS		
<input type="checkbox"/> Ping		Handles updating the FMS Ping Time
UI		
<input type="checkbox"/> Performance Counters		Periodically rebuilds the Perfmon Collections and metrics in order to be used with the solution.
<input type="checkbox"/> UDCs (User Defined Collections)		Periodically rebuilds the UDCs and metrics in order to be used with the solution.

MSSQL/PI Power Pack – Rule Management



MSSQL Power Pack Integration — System Requirements



Minimum required
FMS version

5.9.3



Supported
Database
Minimum
Version

MS SQL

2008
v 10.0.1600 or later

Oracle

9i R2

MySQL

5.1.45

PostgreSQL

9.4.0





Performance Monitoring customized to your unique environment

Ten plus years of providing Professional Services to Quest customers revealed these enhancements to be most requested modifications.

Let us take Foglight's out of the box capabilities and enhance for your unique environment.

Contact: Sales@LightSpeedPM.com

