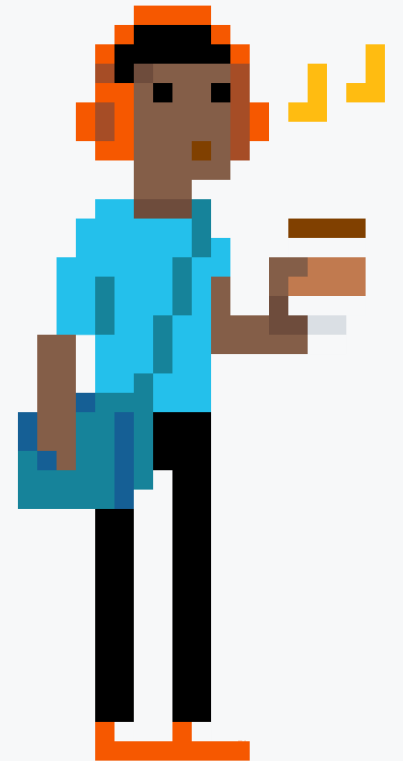


While you wait...

Why not let us know what topics you'd like us to cover next?

Take the short survey at:

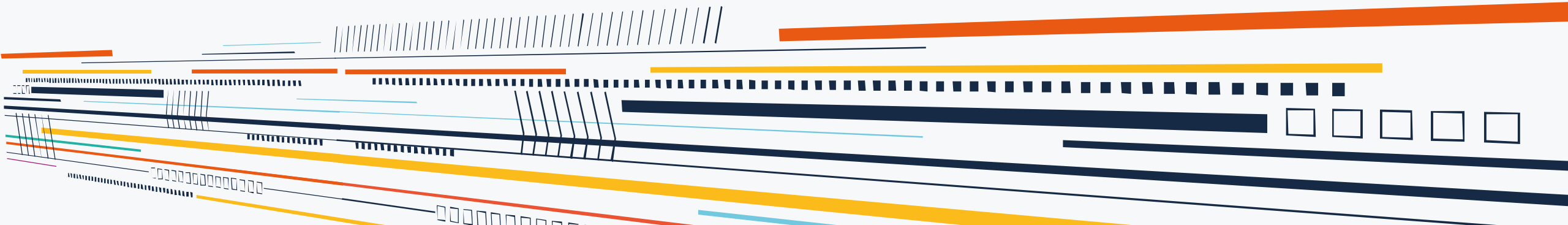
squaredup.com/topics





Coffee Break Webinar Series

Community resource: SQL Query MP

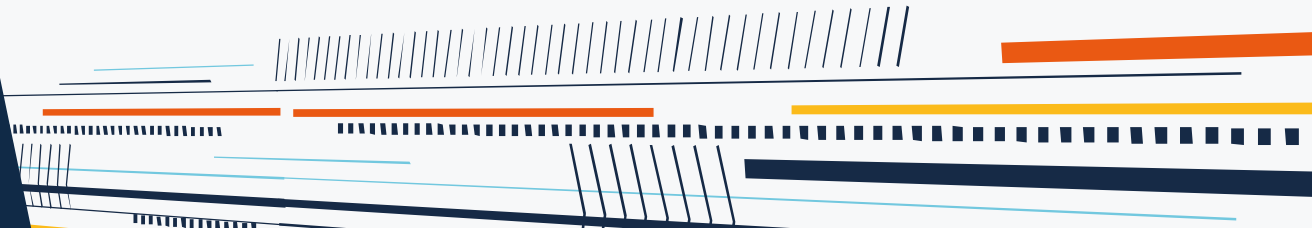


Topic

Application monitoring using Zvi Uretzky's free SQL Query monitoring MP

Discussion points

- What is it
- Example use case
- Community feedback and contribution



SQL DB Query Monitor MP

<https://github.com/UretzkyZvi/Monitor-Applications-Using-SQL-Queries>

Create SCOM monitors from any SQL query

E.g. monitor application data and alert when over threshold

Authoring

- Management Pack Templates
 - .NET Application Performance Monitoring
 - OLE DB Data Source
 - OleDb Query Monitoring**
 - Process Monitoring
 - TCP Port
 - UNIX/Linux Log File Monitoring
 - UNIX/Linux Process Monitoring
 - Web Application Availability Monitoring
 - Web Application Transaction Monitoring
 - Windows Service
 - Distributed Applications
 - Groups
 - Management Pack Objects

Connection string and query

Database Engine: aosql01.aops.local\INSTANCE01

Select a database: OperationsManager

Write Query: SELECT count(*) FROM Alert Where ResolutionState=0

Note: Query result must be a single numeric value

Give a name to the result for purposes performance collection (Metric name): Open Alerts

Buttons: < Previous, Next >, Create, Cancel

Alert Details

Attention species execution results

Alert Description: Attention Too much Open Alerts! The return value (6) in (Open Alerts) is (greater) then (5).

Details: Query Name: Quick monitor based sql query, ConnectionString: Provider=SQLOLEDB;Data Source=aosql01.aops.local\INSTANCE01;Initial Catalog=OperationsManager;Integrated Security=SSPI, Query: SELECT count(*) FROM Alert Where ResolutionState=0

Knowledge: No knowledge was available for this alert.

Performance

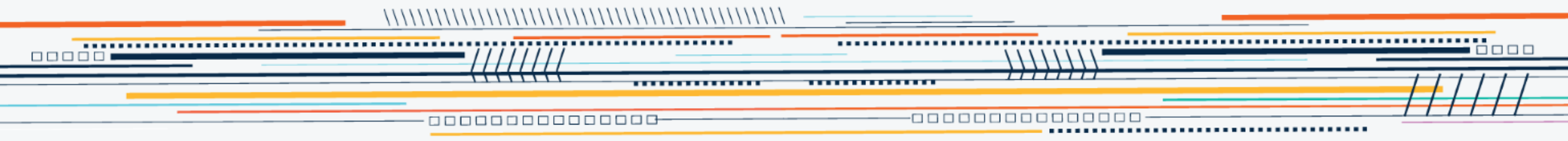
Legend

Show	Color	Path	Target	Rule	Object	Counter	Instance	Scale	Baseline
<input checked="" type="checkbox"/>	Blue	aosql01.aops.lo...	Quick monitor ...	OleDb Query Pe...	OleDbQueryMo...	Result	Quick monitor ...	1x	No
<input checked="" type="checkbox"/>	Green	aosql01.aops.lo...	test query	OleDb Query Pe...	OleDbQueryMo...	Result	test query	1x	No

Demo

Creating monitors/perf collection to monitor inbound connections to an application's database

```
Select count(*)  
from  
    sys.dm_exec_connections as DEC  
    inner join sys.dm_exec_sessions as DES on DES.session_id = DEC.most_recent_session_id  
    left outer join sys.databases as DB on DB.database_id = DES.database_id  
where  
    net_transport = 'TCP' and DB.name = 'OPP'
```



Community Feedback

The MP is free and open source on github at:

<https://github.com/UretzkyZvi/Monitor-Applications-Using-SQL-Queries>

- If you like this MP and found it useful, let the author know
- If you run into issues or have a suggestion, log an issue on Github
 - Even better, if you have the skills to contribute ask if the author would accept a PR to fix/improve the issue
- Be respectful

Coffee Break: Resources

Let us know what you'd like us to cover:

squaredup.com/topics

See what's coming up next:

squaredup.com/coffee-break-series

Recordings and slides published via

squaredup.com/blog

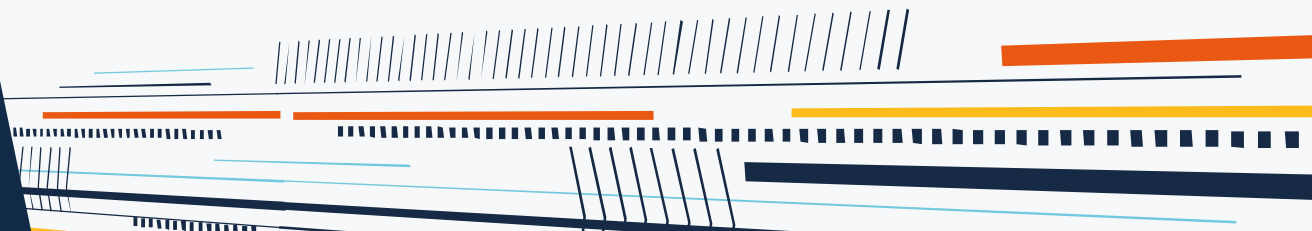
YouTube playlist for series

<https://www.youtube.com/playlist?list=PLJNXoiGgmTEu3yZRGpPNWQbG9WMyihZFs>

Follow up email, inc. resources,
sent out after each webinar



Q&A





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