

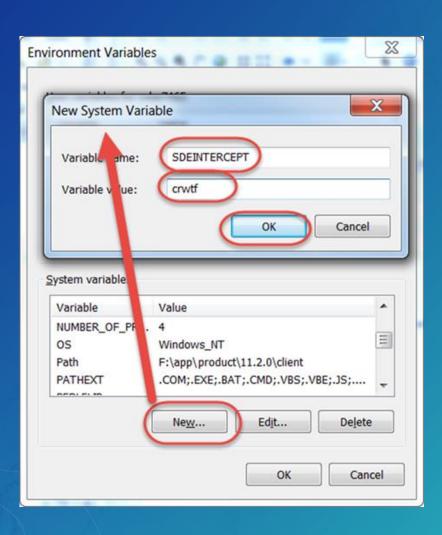
Agenda

- SDE Intercept (client-side trace)
- SQL Server Extended Events (database server trace)
- New Storage Method for SQL Server Geometry Attribute in ArcGIS 10.5
- Demos
- Q & A

SDE Intercept

- How do we set it up?
 - System Environment Variables
 - Two variables:
 - SDEINTERCEPT
 - crwtf (or crwTf)
 - SDEINTERCEPTLOC
 - C:\TEMP\sdeintercept_file
- What is inside?
 - Esri ArcObjects commands performed by client
 - Time stamp

SDE Intercept



SDE Intercept

```
[R 17:17:21.091] Command: TableListTables
[R 17:17:21.091] Long: 4
[W 17:17:34.125] Long: 0
[W 17:17:34.125] Long: 869
```

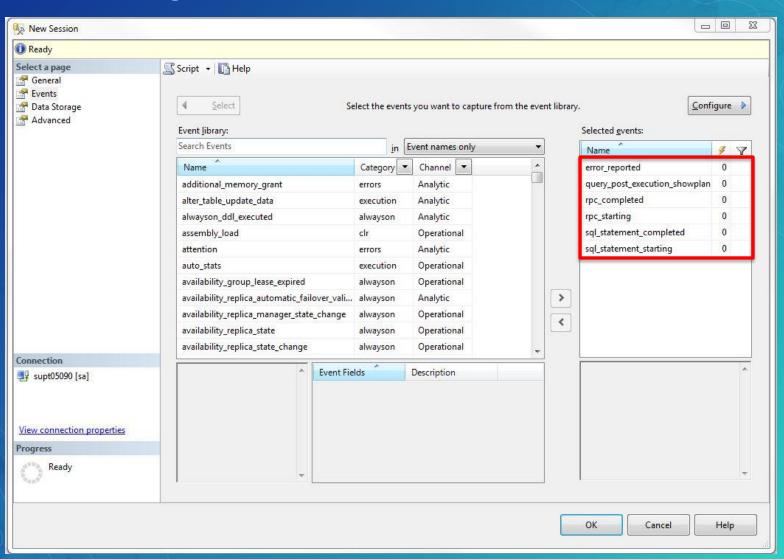
TablelistTables command took 13 seconds.

How to set it up?

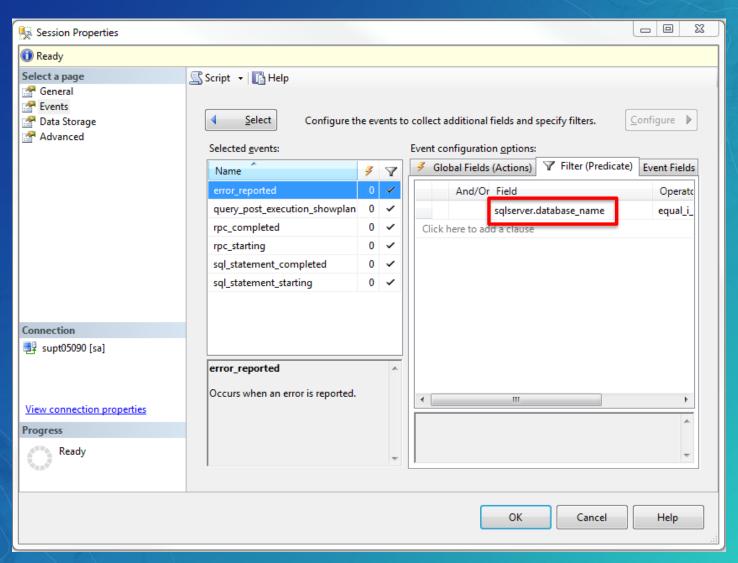
- Management Studio> Management folder
- Select the most relevant events
- Apply filter to specific events

- rpc_completed
- rpc_starting
- sql_statement_completed
- sql_statement_starting
- query_post_execution_showplan

Typical Events Used in Troubleshooting Geodatabase Issues

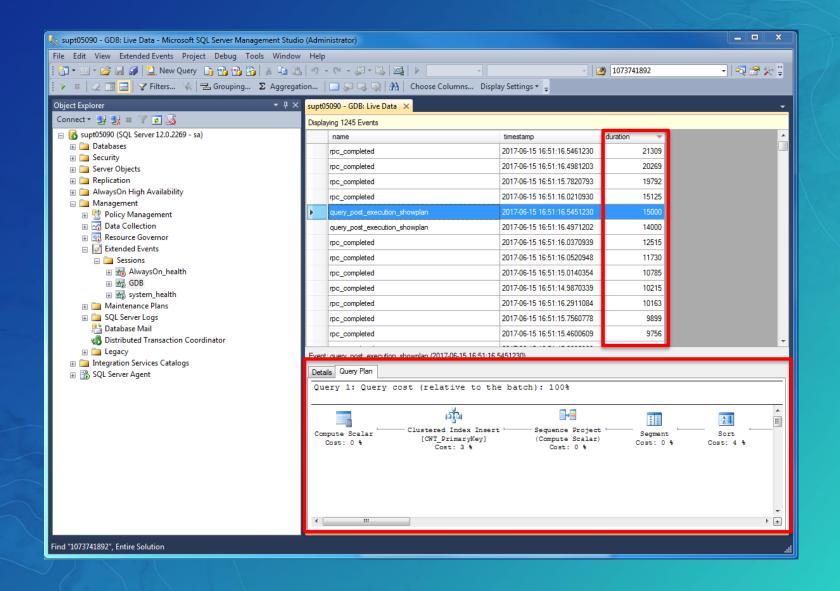


Apply Filter to Specific Events



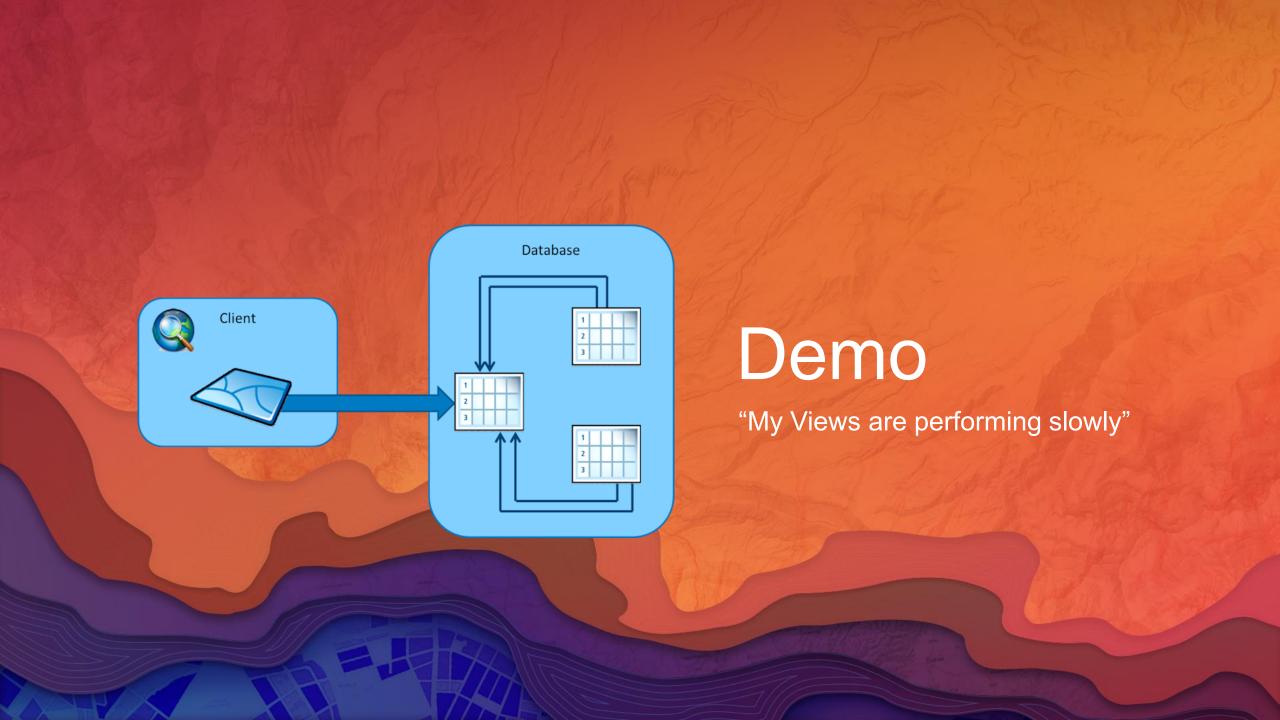
- How to interpret extended event trace
 - Sorted events by duration
 - Execution plan

Trace Result



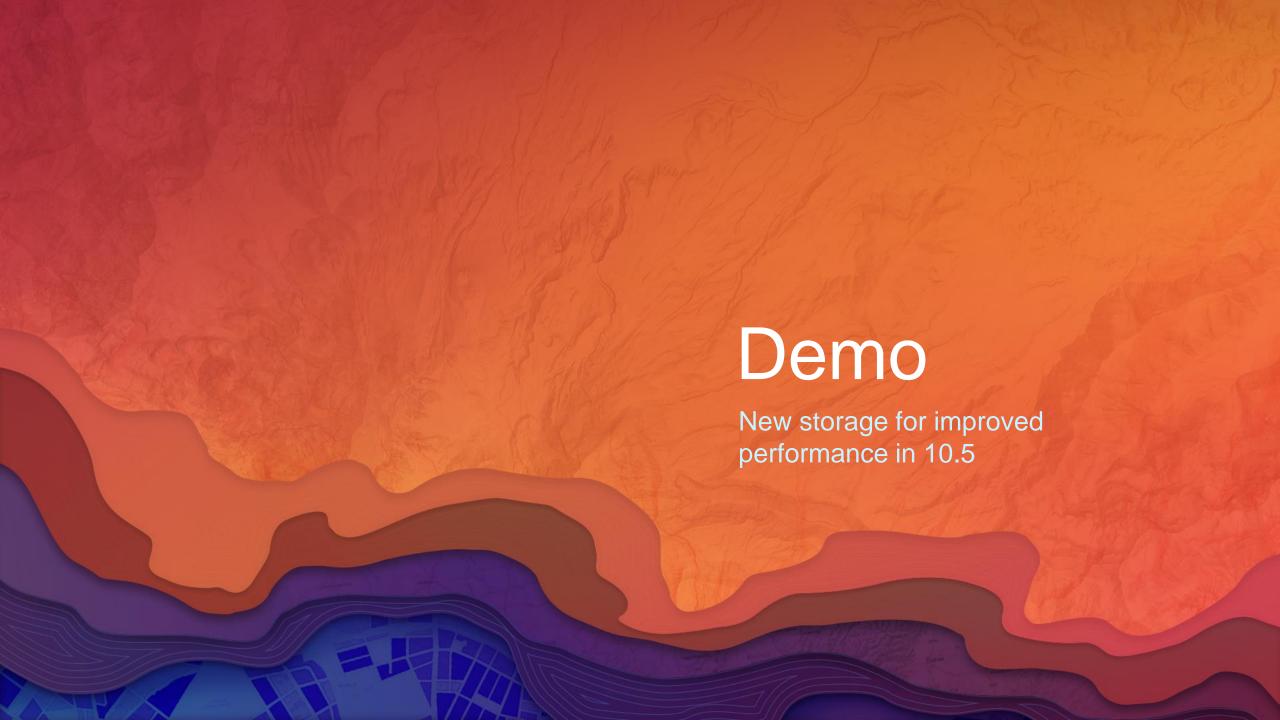
New Geometry Attribute Storage in ArcGIS 10.5

- Geometry attribute will be stored directly in business table.
- Better performance without join.
- 10.3 client connection is not supported.



Demo - "My views are performing slowly"

- ArcGIS Client vs. SQL Server Management Studio
- What tools will be most helpful in understanding this?
 - Trace
 - Execution
 - Client Statistics



Conclusion

SDE Intercept

SQL Server Extended Event

New storage for improved performance in 10.5

Contact Esri Technical Support for assistance

Additional Resources

How To: Diagnose ArcSDE connection and performance issues using SDEINTERCEPT

http://support.esri.com/technical-article/000010355

What's new in ArcGIS Server 10.5.1

http://server.arcgis.com/en/server/latest/get-started/windows/what-s-new-in-arcgis-for-server.htm

FAQ: How can ArcSDE performance be improved?

http://support.esri.com/technical-article/000006051

Geodatabase maintenance

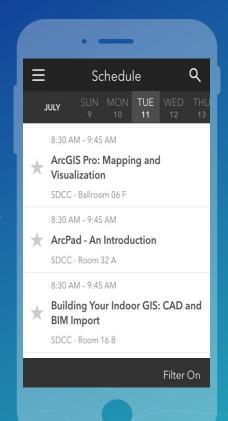
http://desktop.arcgis.com/en/arcmap/10.3/manage-data/gdbs-in-db2/overview-maintenance.html

Please Take Our Survey on the Esri Events App!

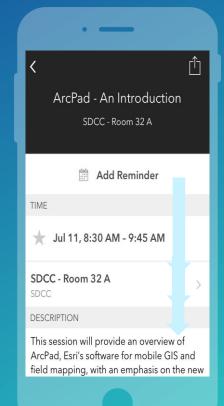
Download the Esri Events app and find your event



Select the session you attended



Scroll down to find the survey



Complete Answers and Select "Submit"

