Db2 for z/OS Developer Extension v1.3

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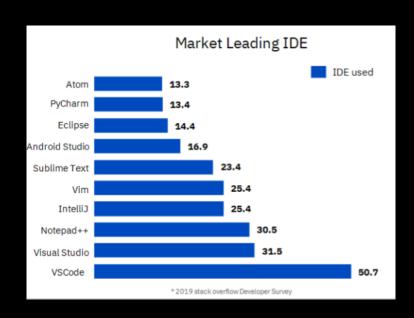


Agenda

- ➤ What's Db2 for z/OS Developer Extension?
- > Features before v1.3
- > What's new in v1.3?
- > Live demo
- > What's next?

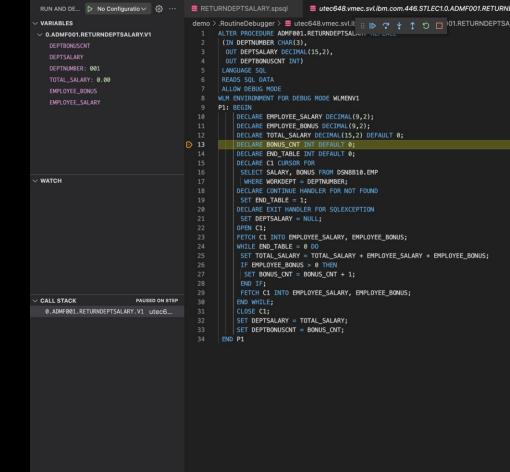
What's IBM Db2 for z/OS Developer Extension?

- Extension for Visual Studio Code
- Perform key actions with Db2 for z/OS from Development environment against Java, COBOL, Python, Node.js, etc. applications
- ➤ Increase developer talent pool by reducing Z domain specific skills and tools required to work with Db2 for z/OS



Features Before v1.3

- SQL syntax highlighting and checking
- Code snippets
- Code completion and signature help
- Connect with Db2
- Execute SQL
- Deploy, debug, and run native stored procedures

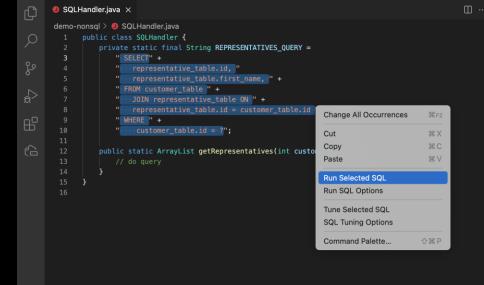


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Features Before v1.3

v1.2 Highlights

- Format SQL
- Run SQL with multiple selections
- Run embedded SQL in native stored procedures
- Usability enhancements



What's New in v1.3?

- Setup tuning environment
 - Register tuning servers
 - Create, edit, and delete tuning profiles
 - Share and revoke tuning profile user privileges
 - · Create, migrate, and drop EXPLAIN tables
- Configure tuning options
- Tune SQL
 - Run Visual Explain
 - Run Statistics Advisor
 - Collect query environment information
- View tuning history and summary

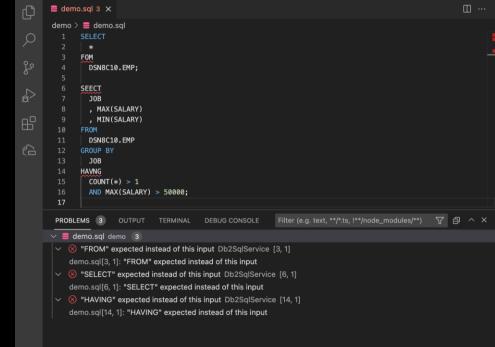
Prerequisites for SQL Tuning Services

- ☐ IBM DB2 Accessories Suite for z/OS, 4.2
- □ <u>APAR PH39038</u> (<u>UI76396</u>)
- ☐ Tuning Services Documentation:
 - SQLTuning Services installation docs

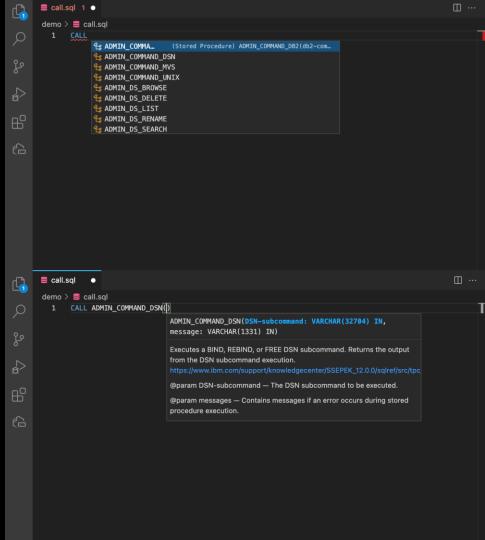
Live Demo

- Syntax checking
- Code completion and signature help
- Format SQL
- Execute SQL
- Working with native stored procedures
- Tuning SQL queries

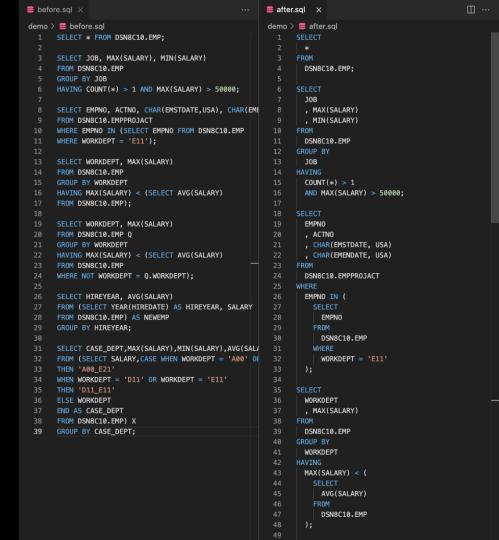
Syntax checking



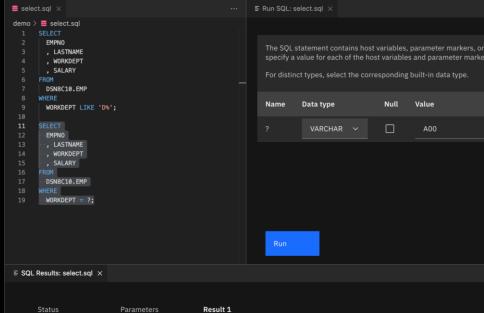
Code completion and signature help



Format SQL



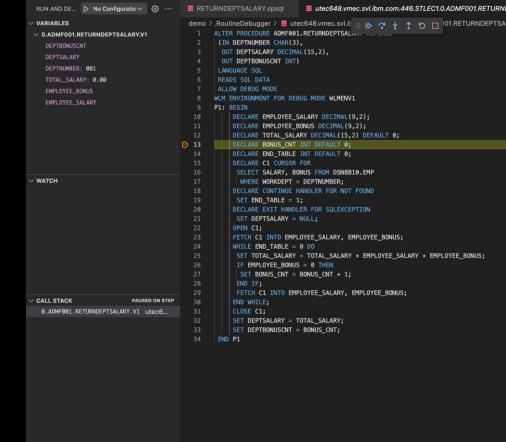
Run SQL



EMPNO	LASTNAME	WORKDEPT	SALARY
000010	HAAS	A00	628683.42
000110	LUCCHESI	A00	554194.86
000120	O'CONNELL	A00	348606.34
200010	HEMMINGER	A00	554194.86
200120	ORLANDO	A00	348606.34
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Native stored procedures

- Deploy
- Debug
- Run

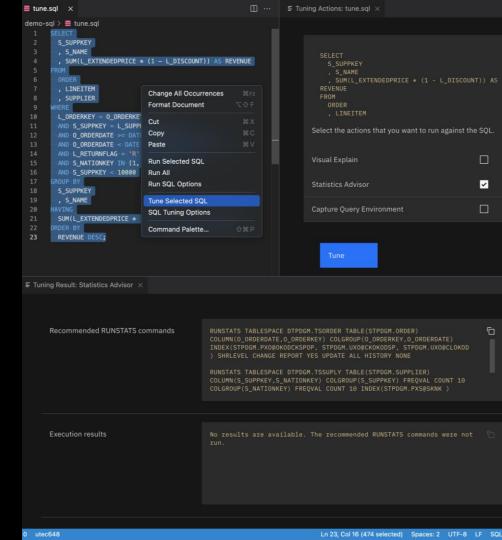


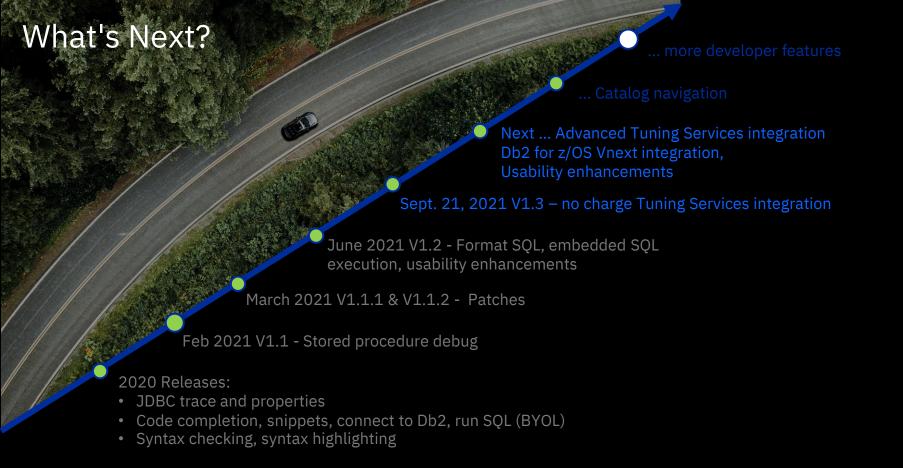
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V BREAKPOINTS

Tune SQL

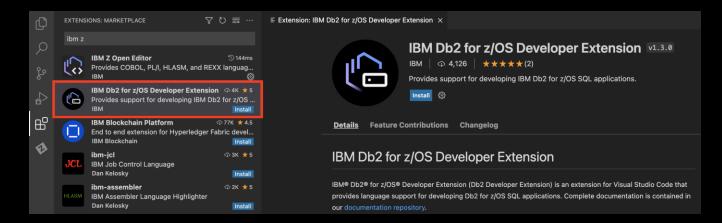
- Visual Explain
- Statistics Advisor
- Query Capture Environment

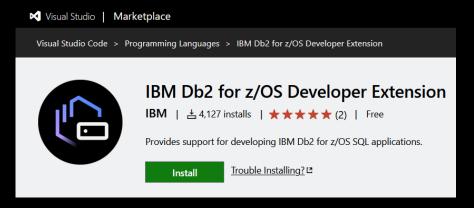




How to Install

- 1. Open VS Code.
- Switch to the Extensions view.
- 3. Search for "ibm z".
- 4. Click the Install button for IBM Db2 for z/OS Developer Extension.





Resources

IBM Db2 for z/OS Developer Extension

- VS Code Marketplace:
 https://marketplace.visualstudio.com/items?ite
 mName=IBM.db2forzosdeveloperextension
- Documentation:
 https://ibm.github.io/db2forzosdeveloperextensi-on-about/
- Report issues or give suggestions:
 https://github.com/IBM/db2forzosdeveloperexte
 nsion-about/issues

Other Resources

- Visual Studio Code: https://code.visualstudio.com/
- IBM Z Open Editor:
 https://marketplace.visualstudio.com/items?item
 Name=IBM.zopeneditor
- Zowe Explorer:
 https://marketplace.visualstudio.com/items?item
 Name=Zowe.vscode-extension-for-zowe

