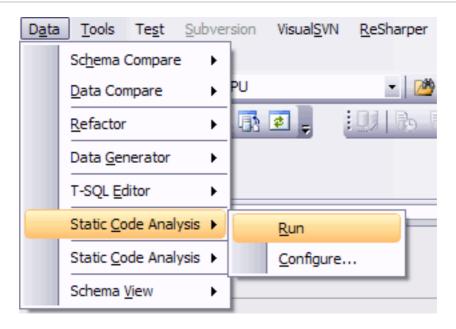
عنوان: FxCop برای FxCop نویسنده: وحید نصیری تاریخ: ۲۲:۱۳:۰۰ ۱۳۸۸/۰۶/۲۴ آدرس: www.dotnettips.info برچسبها: SQL Server

حتما با FxCop که برای آنالیز اسمبلیهای برنامههای دات نتی بکار میرود آشنایی دارید. شبیه به این مورد به صورت افزونهای Microsoft® Visual Studio Team System 2008 برای Visual studio 2008 team system نیز موجود است. فقط کافی است Database Edition GDR R2 را نصب کرده و یک پروژه دیتابیس جدید را شروع کنید (نوع database wizard که یک دیتابیس کامل را نصب کرده و یک پروژه دیتابیس جدید را شروع کنید (نوع build که یک دیتابیس کامل مربوط به code analysis را قرار دهید (شکل 1) و یکبار پروژه را build کنید. به این صورت در پنجره خروجی، اشکالات کدهای T-SQL شما گوشزد میشود (شکل 3). اینکار را با استفاده از منوی Data نیز میتوان انجام داد (شکل 2).

	✓ Enable Code Analysis
References	
	Rules
Build	
_ ,	✓ SR0001: Avoid SELECT * in stored procedures, views, and table-valued function  SR0001: Avoid SELECT * in stored procedures, views, and table-valued function  SR0001: Avoid SELECT * in stored procedures, views, and table-valued function  SR0001: Avoid SELECT * in stored procedures, views, and table-valued function  SR0001: Avoid SELECT * in stored procedures, views, and table-valued function  SR0001: Avoid SELECT * in stored procedures, views, and table-valued function  SR0001: Avoid SELECT * in stored procedures, views, and table-valued function  SR0001: Avoid SELECT * in stored procedures, views, and table-valued function  SR0001: Avoid SELECT * in stored procedures, views, and table-valued function  SR0001: Avoid SELECT * in stored procedures, views, and table-valued function  SR0001: Avoid SELECT * in stored procedures, views, and table-valued function  SR0001: Avoid SELECT * in stored procedures, views, and table-valued function  SR0001: Avoid SELECT * in stored procedures, views, and table-valued function  SR0001: Avoid SELECT * in stored procedures, views, and views, an
Deploy	✓ SR0008: Consider using SCOPE_IDENTITY instead of @@IDENTITY.
Carla Amplunia	SR0009: Avoid using types of variable length that are size 1 or 2.
Code Analysis	SR0010: Avoid using deprecated syntax when you join tables or views.
	✓ SR0013: Specify values for output parameters in all code paths.
	✓ SR0014: Maintain compatibility between data types.
	✓ SR0011: Avoid using special characters in object names.
	SR0012: Avoid using reserved words for type names.
	SR0016: Avoid using sp_as a prefix for stored procedures.
	SR0004: Avoid using columns that do not have an index as test expressions in
	SR0005: Avoid using patterns that start with "%" in LIKE predicates.
	SR0006: In the comparison, simplify the expression that includes indexed colu
	SR0007: Use ISNULL(column, default value) on nullable columns in expression
	SR0015: Extract deterministic function calls from WHERE predicates.

شکل 1- فعال سازی تحلیل و بررسی کد



شکل 2- اجرای تحلیل و بررسی کد

```
Show output from: Build

Show output from: Build

SQL (475,15) Warning: SR0007: Microsoft.Performance: Nullable columns can cause final results to be evaluated as NULL

SQL (502,22) Warning: SR0014: Microsoft.Design: Data loss might occur when casting from Char (157) to NVarChar (1000).

SQL (506,15) Warning: SR0007: Microsoft.Performance: Nullable columns can cause final results to be evaluated as NULL

SQL (508,13) Warning: SR0014: Microsoft.Design: Data loss might occur when casting from NVarChar (1023) to VarChar (128)

SQL (518,15) Warning: SR0007: Microsoft.Performance: Nullable columns can cause final results to be evaluated as NULL

30,7) Warning: SR0014: Microsoft.Design: Data loss might occur when casting from Char (6) to VarChar (5).

33,7) Warning: SR0014: Microsoft.Design: Data loss might occur when casting from Char (6) to VarChar (20).

102,8) Warning: SR0014: Microsoft.Design: Data loss might occur when casting from VarChar (24) to VarChar (20).

104,8) Warning: SR0014: Microsoft.Design: Data loss might occur when casting from VarChar (24) to VarChar (20).

122,8) Warning: SR0014: Microsoft.Design: Data loss might occur when casting from VarChar (24) to VarChar (20).

124,8) Warning: SR0014: Microsoft.Design: Data loss might occur when casting from VarChar (24) to VarChar (20).

SQL (8,9) Warning: SR0014: Microsoft.Design: Data loss might occur when casting from VarChar (25) to VarChar (20).
```

شکل 3- یک نمونه خروجی حاصل از تحلیل و بررسی کد