



The Enterprise Scripting Workshop

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The Vanity Slide



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SEAN



JEN



Agenda

- ▶ 8:30 Session
- ▶ 10:00 Refreshment break
- ▶ 10:15 Session
- ▶ 12:00 Lunch
- ▶ 1:00 Session
- ▶ 2:30 Refreshment break
- ▶ 2:45 Session
- ▶ 4:30 End of day



Outline

Morning:

- ▶ Introducing your enterprise
- ▶ Enterprise philosophy
- ▶ The ideal SQL shop
- ▶ Elements of enterprise scripts

Afternoon:

- ▶ T-SQL and regular expressions
- ▶ Developing the Script
- ▶ Applying RegEx



Introducing Your Enterprise



Enterprise Philosophy



The Ideal SQL Shop



Elements of Enterprise Scripts



T-SQL and Regular Expressions



Developing the Script



Script Principles: Usability



- Comment your scripts
- Display script progress to yourself
- Assign query text to a variable
- Print SQL statements and test them
- Examine hidden decisions (e.g., one row at a time vs. bulk)
- As part of error handling, stop the script at critical errors
- Think big: be inclusive
- Return focus to original context at the end of each script
- Generate data in a useful format – never files!
- Comment the beginning and end of loops and brackets
- Handle errors (usefully, not to a file)
- Use a template to generate scripts quickly
- Log script name and location with errors



Script Principles: Maintainability

- ▶ Use stored procedures, not ad hoc statements
- ▶ Handle multiple servers
- ▶ Parameterize calls
- ▶ Retrieve dynamic server list from SQL
- ▶ Follow third normal form
- ▶ Do not repeat code; use functions
- ▶ Use an include file for universal items – including functions
- ▶ Dynamically grab the script name and location



Applying RegEx

Demo



Remember...

- ▶ One server.
- ▶ Laziness is no excuse.
- ▶ Never save to files.
- ▶ Comment sections with logic used.
- ▶ Comment brackets and BEGIN/END blocks.
- ▶ Laziness is still no excuse.
- ▶ Comment beginning and ending of major sections; know exactly what that section is doing.
- ▶ Use includes.
- ▶ Release the proper script the first time. You'll never go back and do it right, so do it right up front.
- ▶ Estimate your time like Scotty. "Aye, cap'n."
- ▶ Don't be lazy.
- ▶ Because you thought of it doesn't make it an emergency.
- ▶ Always cleanup your data tables. Archive, trim, whatever.
- ▶ Template, template, template.



Downloads

<http://MinionWare.net/EnterpriseScriptingWorkshop/>