Journeyman CF:
A Potpourri of Topics

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This Month's Topics

⌘ Solving Problems After SQL 7.0 Install

⌘ Y2k Compliance in CF Server & Studio

⌘ Recent Allaire Perf. & Tuning Docs

⌘ Recent Allaire Recommendation on Sizing the CF Server Template Cache

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Presentation on Web Site

⌘ Presentation is available at:
  ⊡ www.systemanage.com/presentations/

Solving Problems
After SQL 7.0 Install

ExecutePcode Problems

⌘ Getting following error on CFQUERY:
- ☒ Error Occurred While Processing Request
  Error Diagnostic Information
  CMemoryException: unknown cause
  pCodeRuntimeContextImp::executeSQLTagCFQuery::endTag
- ☒ Generally caused by installation of SQL Server 7.0, which installs incompatible MDAC components
- ☒ MS has created solution
- ☒ See Allaire KB article 8849

Y2k Compliance in CF
Server & Studio

Allaire's Statement

⌘KB Article 3794
  ⊡ Date format and validation functions support optional 4-digit years
  ⊡ Database drivers influence db input of dates
  ⊡ Responsibility on developer to manage

  ⊡ Studio only uses dates to show file list, yyyy

What I've Found

⌘What year is presumed when yy?
  ⊡ < 30 considered 20xx
  ⊡ >=30 considered 19xx

  ⊠ #dateformat("08-01-29","mmm dd, yyyy")# --> Aug 01, 2029

  ⊠ #dateformat("08-01-30","mmm dd, yyyy")# --> Aug 01, 1930

Recent Allaire Perf. & Tuning Docs

KB Article 8627

⌘"Cold Fusion Performance Debugging"
- ☑CF Thread Handling Improvements
- ☑Debugging Perf. & Stability Problems
- ☑General Performance Points

⌘And links at bottom of that page
- ☑Perf & Tuning, Parts I and II
- ☑Optimizing Query Performance
- ☑Slow Query Performance

Sizing the CF Server Template Cache

A Final(?) Answer

⌘Often-debated topic

⌘How to determine the size of CF Template Cache?
- ☑Worse problem, many don't even consider
- ☑Leave at default of 1 MEG!

⌘This is where templates are cached throughout day, to save recompilation

How Cache Works

⌘Before compiling template, CF first looks in cache.
  ⊠If there, and not been udpated since being cached, is not recompiled.
  ⊠If not there, or if updated, is compiled and cached
    ⊠If can't fit in cache, will bump out least recently used cached template (forcing its recompile later)
    ⊠So size of cache can have significant impact

Determining Cache Size

⌘Set to 2 x size of templates in site (and custom tags)
  ⊠Can use Windows Explorer's "properties" feature to see size of files in wwwroot
  ⊠Of course, not all files are CF templates
    ⊠and not all templates are run each day
⌘But in any case, 1 meg is so small, on machines w/ 128 meg and more!

Real Means to Monitor

⌘Integrated NT Performance Monitor can track CF statistics
  ⊠Cache Pop Hits/Second tracks need to refresh cache
  ⊠High number over time indicates need to increase cache

**Look For Allaire
Performance Tuning
Class, coming soon**