



TeraTech News

Software connections to your information

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TeraTech Development Approach

The following is continued from last month's newsletter....

Last month we focused on Website Designs in Fusebox and how to develop database access components. This month we will end our series by talking about developing common web services and testing.

7. Develop Common Web Services

One significant advantage of moving applications to the new version of ColdFusion is the opportunity to reuse code and share common services between applications. It is possible to build and deploy components such as a common security access management tool that will serve all agency Web applications. As new applications are added to the platform their business and data functions will be examined for possible use as common business functions available to other applications.

8. Testing

The integrated Fusebox-based application system is extensively tested and debugged to ensure that the system produces the same results as the original system. Where possible, the legacy system test plan is used for testing of the new system functions. We use the Rational testing tools, including Test Manager and Rational Robot to facilitate and document our test cases and results. These test plans are comprehensive for the new and converted systems and will be re-usable in the regression testing of futures releases of the software.

This concludes the TeraTech Development Approach Series

ColdFusion Server Tuning, Training, and Consulting

TeraTech is helping a large organization in the central US learn how to tune their cluster of ColdFusion servers. We are flying to their location to analyze their current server issues so that the training will be customized to their exact set up and issues.

On clustering we will examine CF8 clustering options - pros and cons, how to set up and administer the cluster, deploying CF/code base options, Flex in a clustered environment and understanding how to integrate source control (such as Subversion) into the environment. We will also look at typical "gotchas" in a CF cluster, maintenance concerns and planning for the future (scaling).

Then we will look at Performance Tuning, including JVM optimization, CF Admin settings, best practices, performance monitoring and determining hardware needs for the projected load.

But what good is it to cluster your servers until you can show they will work well under future load? So we will explain how to do Load Testing, look at best-of-breed load testing tools, best practices for load testing and how to understand the results of a test.



Finally we will help them come up with a plan for migrating to the new cluster from their existing CF 5 servers. A lot of work, but with a mission critical enterprise application it is better to be save rather than sorry!

TeraTech Training Class Schedule

TeraTech offers training classes for ColdFusion and Fusebox for every skill level. Here are the upcoming classes you can sign up for.

ColdFusion 102 – Tuesday, April 22nd, 10am-5

Taught by Ajay Sathuluri, this class will give an introduction to ColdFusion, talk about Server vs Client Processing, and answer the question “Why Dynamic Pages vs. Site Updating?”

ColdFusion 103 – Tuesday, April 29, 10am-5

All classes are held at TeraTech’s Rockville headquarters. To sign up for these classes, or for a full class schedule list, go to <http://www.teratech.com/go/training/class-schedule>.

MDCFUG Lunch

Thank you to all of those who came to the first MDCFUG Lunch, and because it was such a resounding success, TeraTech will sponsor another one on Monday, April 28th, at 1:30. It will be held at Cosi, located at 1700 Pennsylvania Avenue. To get there, get off the Farragut West Metro stop and walk south on 17th street about four blocks; it will be on your right (*note: don’t be fooled by the Potbelly’s. Keep walking South on 17th past that and you’ll be there).



A MD ColdFusion Lunch is an opportunity for people to meet up in an informal environment to network with other ColdFusion users. TeraTech holds monthly meetings at our offices in Rockville every second Tuesday, but this is an effort to accommodate those who cannot make it that far on a Tuesday evenings. As like our monthly meetings, these will be free (except for the cost of your own lunch).

If you are interested in having a lunch, but are not close to the location we chose this time, please let us know. All questions, comments, concerns and suggestions should likewise be directed to Matt Weiss, Matt (at) teratech.com. Hope to see you all there!

Corporate Culture I/O

Corporate culture has begotten a thriving industry that researches, dissects, writes, discusses, preaches, teaches, and studies it—all with the goal of helping people understand its effects and learn how to improve it.

It’s considered a soft science, a moving target, amorphous and difficult to pin down.

But I’ve always believed that corporate culture has much in common with a computer.

Yes, a computer, with its unyielding hardware and logical, literal software. You see, in computing, the term I/O refers to input, whatever is received by the system, and output, that which results from the processing. Programmers know that if you enter incorrect or bad data the results coming out of the computer won’t have much value, hence the term “garbage in/garbage out.” And there you have it—the similarity between computers, corporate culture and most everything else in life.

What comes out is a function of what you put in.

Blindly accepting everything offered—whether from the guru du jour or religious texts—is sure to result in garbage out at some point.



Improving corporate culture requires critical thinking on your part. No one person, past, present or future, has all the answers. You need to evaluate the available information, take a bit from here and a bit from there, apply it to your situation and, like a computer, process it. The resulting culture will differ from what you start with, because you’ve added the flavor of your own life experiences, knowledge and [MAP](#) to the mix and that’s good—different people, different culture. A viable corporate culture is a living organism, growing and changing all the time and you’re contributing to that growth.

Miki Saxon is President of RampUp Solutions, Inc. and provides products and coaching based on [MAP \(mindset, attitude, philosophy\)](#)TM. <http://www.rampupsolutions.com/index.cfm?p=14>
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TERATECH CUSTOM PROGRAMMING & TRAINING

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