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Newsletter

Technology & Leasing

Autonomic Systems Can Operate and Fix Themselves ?

quoted from **IBM** August, 2003

“Paul Horn, senior VP of IBM Research suggested suggested that we build computer systems that regulate themselves much in the same way our autonomic nervous system regulates and protects our bodies.

“This new model of computing is called autonomic computing. The good news is that some components of this technology are already up and running. However, complete autonomic systems do not yet exist. This is not a proprietary solution. It's a radical change in the way businesses design, develop, manage and maintain computer systems.”

Significance:

1. Autonomic computing means that the software is designed to minimize human intervention and human interaction..
2. This is not new; it is the premise of ‘fully automated’. But for years, software has been designed for a UI to get most everything done.
3. What if the new paradigm was to design with no UI ? And that the systems handle it themselves ?.
3. This is not AI. Thus, there will still be exceptions that humans must manage.

<http://www.research.ibm.com/autonomic/overview/>

<http://www.sciam.com/article.cfm?articleID=000B0152-8C15-1CDA-B4A8809EC588EEDF>

Opinion:

I agree that IF new systems are designed for minimal human interaction, it creates a very new approach to designing / coding / building them. In one scheme, "virtual users" would be defined to "operate" the systems 80% of the time. People would handle only the exceptions. The initial investment may be bigger, but the payoff each year can be huge.

This warrants more discussion !

Internet-enabled Business Processes Seen Backing Productivity Rise (No Kidding !?)

sourced from: **Electronic Commerce World**

Internet-enabled business processes will drive 40% of the projected acceleration of U.S. productivity growth over the next decade, according to a study by Momentum Research Group

Situation:

1. No kidding !?! This seems too obvious on the surface, but read on.
2. The adoption of Internet business solutions has so far produced cumulative cost savings of \$155 billion...
3. ... and is expected to result in an additional savings of \$373 billion by 2005.
4. "This is the first study, to our knowledge, that looks inside the firm to gauge the impact of different Internet-enabled business processes on revenue enhancement and cost savings," says Hal Varian, dean of the School of Information and Management Systems at the University of California at Berkeley.

Significance:

1. This is not about technology; this is about **BUSINESS PROCESS**.
2. If your processes are weak, average, or outdated.. No amount of technology will fix them.
3. This has been known since Deming and Quality... since Reengineering... but it is difficult to analyze.
4. GE does it very well.

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