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## Extending the T4 & Friends Approach Beyond OpenVMS

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Session 3E09

19. April 2007

### Existing Collectors

- This is not a hypothetical. More than 20 new collectors have already been built along the lines of the original T4 model. Examples include:
  - Vevamon
  - Rdb
  - Oracle
- **Thesis of this talk:** We have only scratched the surface of tapping the full value of this approach.

**Let's look at some examples**

## Creating a New Collector

- Straightforward
- Two Dimensional Text Table
- Comma Separated Values
- Each row is one and only one time period
- Each column shows one and only one factor
- Columns have text headers naming the factor collected
- Time stamp column – Sample Time

**... And that's it**

## New to T4?

- Here's a link to a quick read introduction:  
[trendsthatmatter.com/nbu/t4-docs/TLC.pps](http://trendsthatmatter.com/nbu/t4-docs/TLC.pps)
- And here's a link to a full length introductory Technical Journal Article:  
[trendsthatmatter.com/nbu/t4-docs/TDC-T4.pdf](http://trendsthatmatter.com/nbu/t4-docs/TDC-T4.pdf)

## Why Extend this Further?

- Short answer
  - Saves time (analyst time and audience including non-technical)
  - Allows integration of multiple dimensions from many sources
  - Increases the chance of making the invisible visible
  - More opportunities for collaboration
  - Most trend data from most systems is handled sub-optimally, often by an order of magnitude

## How might this help you?

- Extend your performance history insurance to cover a wider scope of systems
- Allow you to tackle more complex systems, more complex problems
- Allow integration of non-VMS trend data with VMS data as needed (e.g. storage, database, application)
- Tap into the magic of “ready reusability” to save huge amounts of time

## How much will it cost me?

- Basic reusable pieces (T4, TLViz, CSVPNG, and the “T4 method”) are in the public domain – in other words they are **FREE**
- Building new collectors is low cost, low risk, low complexity, quick to market, and later extendable.
- Data storage costs and transmission costs and collection costs can easily be kept very low

## Put me on the spot

- What one performance challenge are you currently facing that’s giving you a hard time?
- Let’s take a look if how we might dig into such a problem and apply the T4 approach to begin a deeper discovery of currently invisible patterns that might hold the key to the solution.

## More information???

- Send mail to [steve.lieman@trendsthatmatter.com](mailto:steve.lieman@trendsthatmatter.com)
- Check out T4 & Friends Information at:
  - [TrendsThatMatter.com/T4andfriends.html](http://TrendsThatMatter.com/T4andfriends.html)
- Check out my **Change over Time** blog where I have been writing about extending the T4 approach well beyond VMS and even well beyond computer system performance: You can find it at: [timelineview.blogspot.com/](http://timelineview.blogspot.com/)
- Also, check the following HP Resources
  - You can mail T4 questions to [T4@hp.com](mailto:T4@hp.com)
  - Info at: <http://h71000.www7.hp.com/OpenVMS/products/t4/>

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