

Architectural Considerations for Performance Management Systems

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Readers to note: This draft version is very long! I apologize in advance for the length (and please consider this point as a being noted) but tried to make as complete as possible. This document is an attempt to collate the answers to the many questions asked in the past which cover the problems and architectural considerations as seen in various systems. Answering these issues will help the reader understand how the systems work, and possibly their limitations. I will be trying to complete this in the future (but already asked to distribute to several personnel and in some cases discuss various sections in detail) but accepted that it will never be finished.

This is also essentially a set of notes and logical thought process for a presentation (intended for TMForum Technology Interface Program (TIP) study that will begin in 2009).

1 Synopsis

Issues seen in the deployment of a Performance Management (PM) systems within Operators are felt to be extremely important to document. This is especially when the issues were found to be in the fundamental architecture of the Performance Management Products available and the lack of industry standards for the generation of performance statistics files. These fundamental issues once explained can form the basis of specifications when ordering such systems as well as managing the expectations of the capabilities of a delivery. The paper concludes with a recommendation for the standardization of several features within the performance statistics files to reduce the systems integration costs.

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