Software Group

Guide Share France
Groupe de Travail MQ
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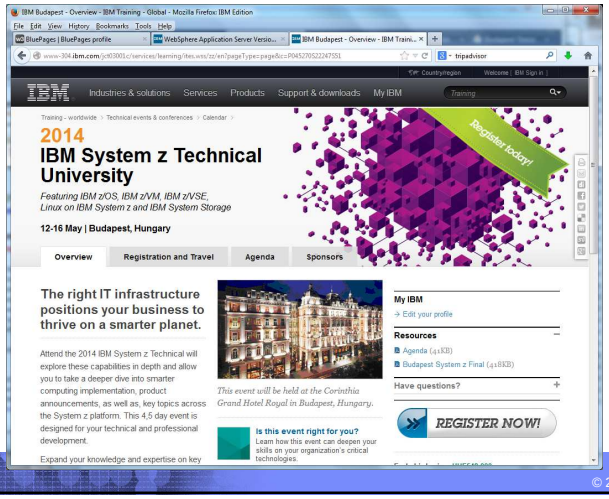
Agenda

- Evènements
- Annonces
- Beta

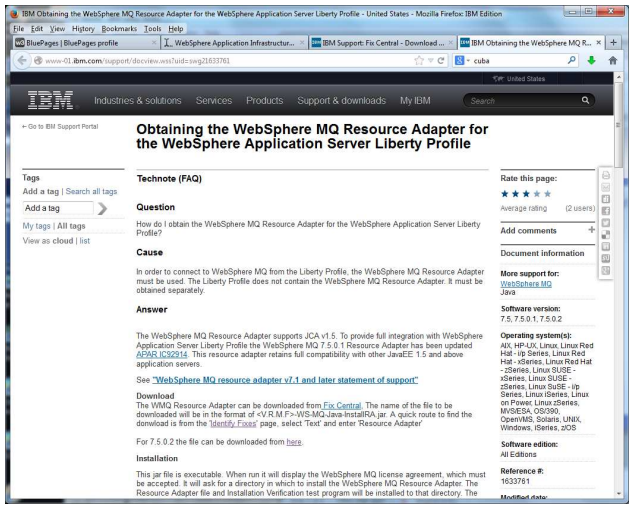
System z Technical University, Budapest, 12-16 mai

- Il y aura un « track » WebSphere ainsi qu'un track CICS
- http://www-304.ibm.com/jct03001c/services/learning/ites.wss/zz/en?pageType=page&c=P045270S22247S51
- L'occasion de voir le « best of » IMPACT autour de z, sans le décalage horaire ni les bandits manchots



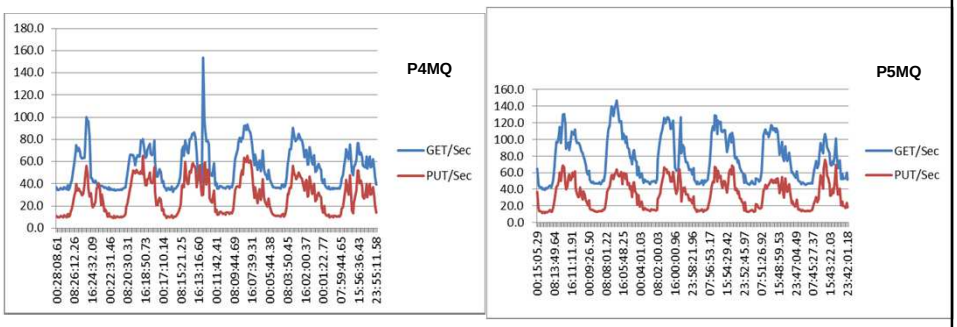
MQ RAR pour les serveurs d'app (eg. WAS, Liberty)

http://www.ibm.com/support/docview.wss?uid=swg21633761



Customer X MQ usage

- MQ usage
  - Medium usage, typically 60 -120 MQGET msgs/sec on PxMQ systems (about half that for MQPUTs). Note that the data available doesn't include message size numbers.
  - Low logging usage, under 1MB/sec (many non-persistant messages?)
- MQ API usage
  - P4MQ and P5MQ are not very balanced. Intentional?
  - TxMQ systems have significant amounts of MQGETs, but no MQOPEN/MQCLOSE. Are you are aware of long-running tasks?
- Consider collecting MQ 116 Accounting Type 3 for a regular period to capture and analyze specific application and queue usage & growth. This would provide a baseline.



MQ SMF analysis – no significant problems

- Buffer Management
  - MQ buffers usage basically looks fine. Very few buffer shortages.
  - Eventually, on P4MQ & P5MQ, BP3 could be increased perhaps 10% (+2000 pages).
- Logging
  - Very low log usage. A few incidences of logging over 1 MB/second, which is exceptionally low (not a problem!).
  - A few (very few!) incidences of MQ checkpoints more frequent than 1 per 30 minutes (ideally, you wouldn't want to exceed 4/hour).
  - Several incidences of transaction backouts from Active buffer, and a few from Active logs (indicating log-running transactions), so perhaps worth investigating why the backouts are occurring (requires additional data capture… Accounting 115 type 3).
  - A few incidences of pageouts of log buffers. Perhaps real memory shortage on TxMQ and RxMQ?
- Storage
  - Numerous incidences of storage contraction due to the queue manager (P5MQ, E3MQ, TxMQ) not finding sufficient storage.. Considering that BP2 & BP4 have 50,000 pages each, and never go below 99% free, you may want to consider *reducing their size* (perhaps by increments of 10% to free up memory until you determine correct value) to free up memory.
- Shared queue usage
  - No major problem, but several occurrences of long response time on APPLICATION1 structure (T3MQ, T4MQ, E3MQ, E4MQ, R3MQ, R4MQ)
  - Have you considered using SMDS with MQv7.1? Can give significantly faster shared queue results.