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features

- The WebSphere MQ product is still:
 - WebSphere MQ
 - Optional chargeable features on all supported platforms are:
 - WebSphere Managed File Transfer Service
 - WebSphere MQ Advanced Message Security
- MQ V7.1 latest available for z/OS
- MQ V7.5 latest available for distributed
 - Major change in way packaging of optional features done which was not applicable to z/OS
- Details at:
 - <u>http://www-</u>
 <u>01.ibm.com/software/websphere/subscriptionandsupport/wmq/versions.html</u>

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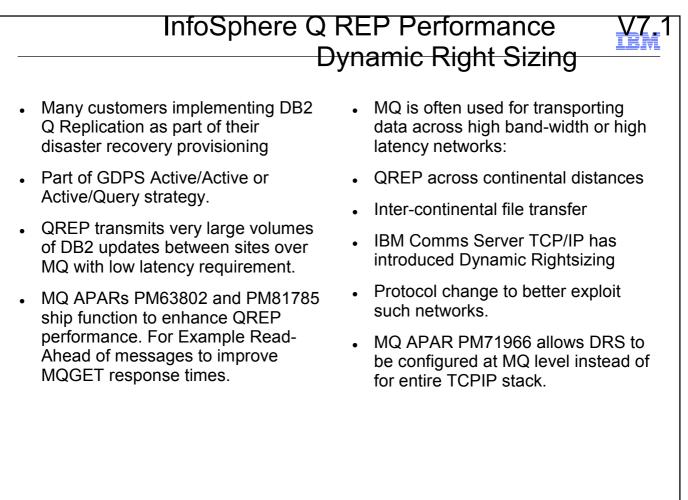
And now for the news...

• Updates since V7.1

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V7.1 SHA-2 Cipher Specs V7.1 Dynamic Statistics	
Customers have ever more stringent security requirements. Particularly in Government and Banking sectors:	 Investigation of performance issues requires collection of statistics and detailed thread level information.
z/OS platform has added support for SHA-2 Cipher Specs via a z/OS APAR on z/OS 1.13	 MQ configuration allows for stats and accounting traces to be enabled dynamically, but only picked up for new tasks started since the change.
These are inter-operable with the new Cipher Specs added on distributed MQ in V7.5	
MQ APAR PM77341 enables MQ SSL	Often problems happen on long running tasks, eg MQ channels
channels to use these to protect the transmission of WMQ messages.	• MQ APAR PM58798 allows new trace settings
- TLS_RSA_WITH_NULL_SHA256	to be enabled for long running threads from next API request.
- TLS_RSA_WITH_AES_128_CBC_SHA256	
 TLS_RSA_WITH_AES_256_CBC_SHA256 	
 ECDHE_ECDSA_AES_128_CBC_SHA256 	
 ECDHE_ECDSA_AES_256_CBC_SHA384 	
 ECDHE_RSA_AES_128_CBC_SHA256 	
 ECDHE_RSA_AES_256_CBC_SHA384 	

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Accelerating the delivery of next generation applications

IBM WebSphere MQ Advanced for Developers – Free to download now!



- Designed for developers to get access to the full WebSphere MQ Advanced package at *no cost* for developers to use on their own machines – at home or at work
- Boost developer skills with the most *flexible*, complete and highly configurable messaging environment
- Faster access to all of WebSphere MQ Advanced capabilities for developers to enhance applications with message security, managed file transfer and mobile access

What's new

- WebSphere MQ Advanced for Developers available for free
- Download today for development use
- Available without IBM Support
 - Join the discussion on the IBM MQ Messaging Community on developerWorks
- Get IBM Support with a per-user licensed copy of WebSphere MQ Advanced for developers



Organizations need to accelerate the delivery of applications with a highly configurable messaging environment



Leading messaging platform engineered for z/OS IBM WebSphere MQ for z/OS Value Unit Edition



- Create and grow new application workloads onto a new System z LPAR, allowing simplified system administration at a reduced cost
- Handles the complexities of communication protocols and dynamically distributes messaging workload across available resources

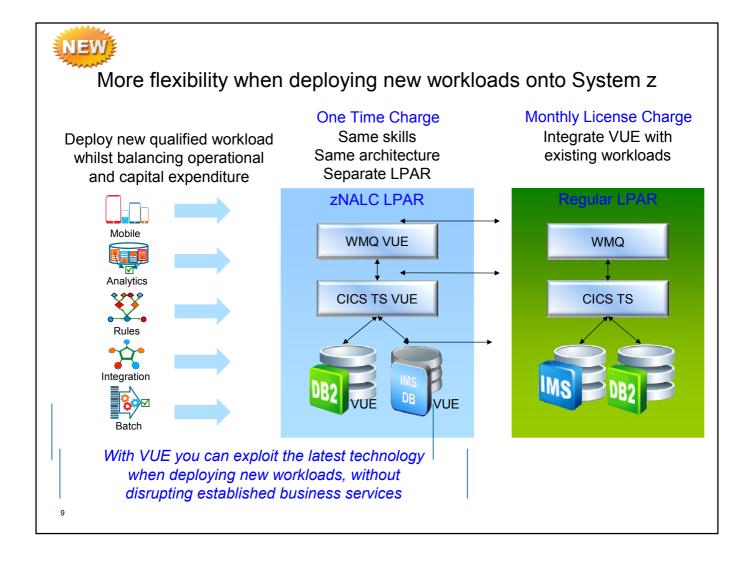
What's new

- One time charge (OTC) price metric instead of the usual monthly license charge
- Connect new workloads that are qualified to run on System z New Application License Charge (zNALC) logical partitions (LPARs).
- Includes the code and entitlement to use WebSphere MQ Client Attachment Feature, by allowing connections to WebSphere MQ Clients, which run on other platforms



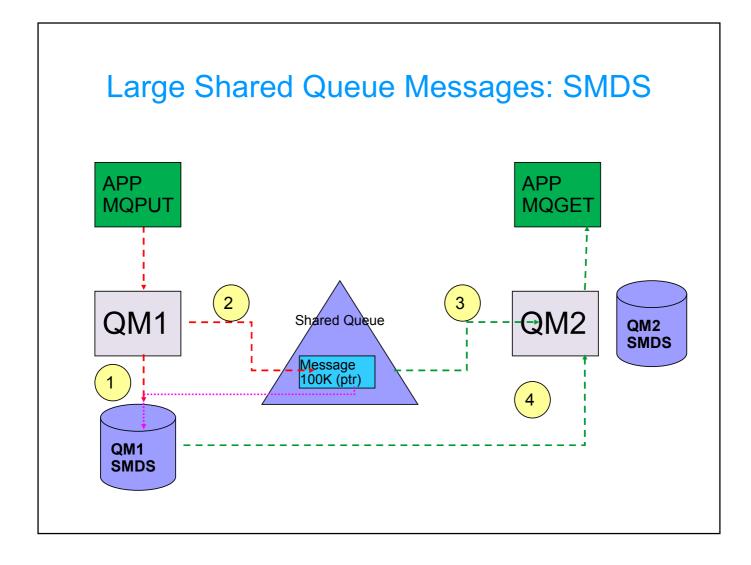
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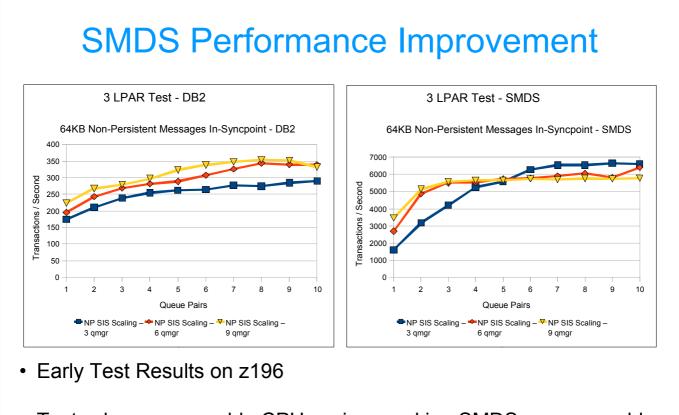
Secure, reliable and high performance messaging layer purely for the z/OS platform



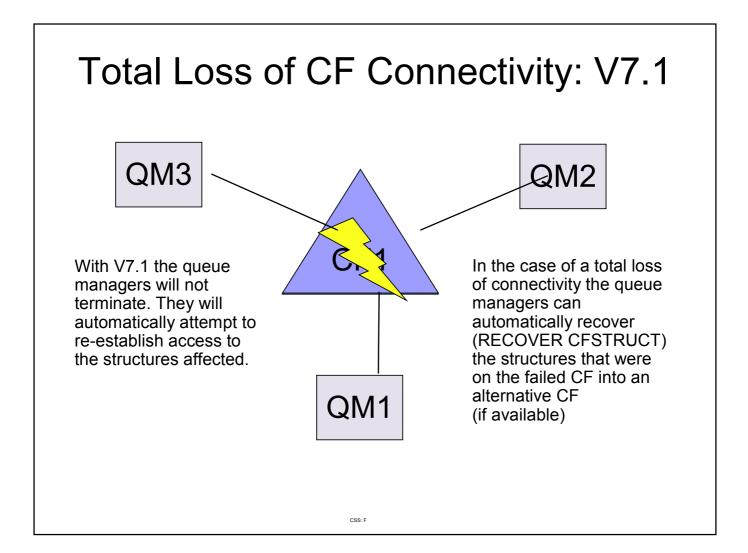
And in case you missed it...

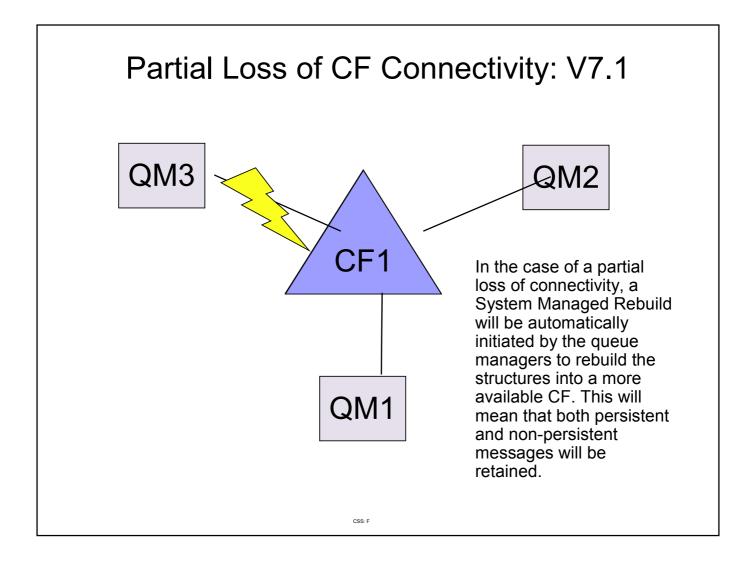
• Some recent new news...





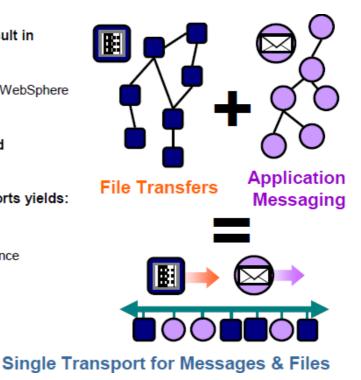
- Tests show comparable CPU savings making SMDS a more usable feature for managing your CF storage
- SMDS per CF structure provides better scaling than DB2 BLOB storage

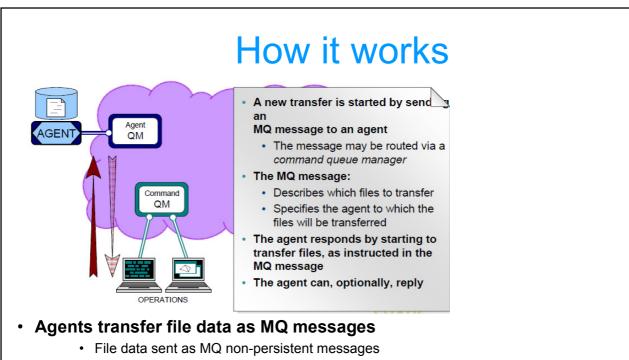




WebSphere Managed File Transfer Service

- Traditional approaches to file transfer result in parallel infrastructures
 - · One for files typically built on FTP
 - One for application messaging based on WebSphere MQ, or similar
- High degree of duplication in creating and maintaining the two infrastructures
- Consolidating messaging and file transports yields:
 - · Operational savings and simplification
 - Reduced administration effort
 - · Reduced skills requirements and maintenance





- · Allows prioritization with existing messaging workloads
- · Protocol used accounts for non-delivery and re-ordering
- Transfers are paced
 - · This avoids a backlog of messages building up
- Transfers automatically check-point:
 - If any part of the infrastructure suffers an outage, transfers automatically re-start from the last check-point

WebSphere MQ Advanced Message Security

- · Provides additional security services over and above base MQ
- · Application to Application protection for messages
 - Well suited to point to point, publish/subscribe limited
 - Have to know your authorized parties ahead of operation
- · Asymmetric cryptography used to protect each message
- Non-invasive
 - No changes required to applications
- · Administrative interfaces for policy management
 - Command line
 - MQ Explorer Plug-In (GUI)

Why message security ?

- Large MQ networks : difficult to prove security of messages
 - Against message injection / message modification / message viewing
- Data subject to standards compliance (PCI, HIPAA, etc)
 - Credit card data protected by PCI
 - Confidential government data
 - Personal information e.g. healthcare
 - Data at rest, administrative privileges, etc

MQ security vs Advanced Message Security

- AMS is an additional offering, not a replacement to WMQ security
- WebSphere MQ
 - Authentication (Local OS user id, SSL peer for clients)
 - Authorization (OAM on distributed, RACF on z/OS)
 - Integrity (SSL for channels)
 - Privacy (SSL for channels)
- WebSphere MQ Advanced Message Security
 - Integrity (Digital signing of messages)
 - Privacy (Message content encryption)

