







WebSphere MQ V7.1: Feature Summary WebSphere MQ V7.1: Feature Summary WebSphere MQ V7.1: Feature Summary New Feature WebSphere MQ V7.1 New Feature Senetits Multi-Version Install capation Websphere MQ V7.1 Multi-Version Install capation Senetits Multi-Version Install capation Websphere MQ V7.1 Multi-Version Install capation Senetits Unix and Windows support for multiple versions of MQ V7. copy of MQ V7.0.1 down to fispack levels. Relocatable installation support. Applications can connect to any Qmgr IP address Authorisation capability Additional crypto algorithms More granular authorisation for non-local queues Optional Support Simplifies and support Cloud deployments Out and HVE images Enhanced Clustering Improves ease-of-use Bind-of Ring Stream Multicast capability New messaging QoS provides low latency with high fan-out capability MQ Pub/Sub Tourselee Mummaptor multiples of courselee	-
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	Addresses
Improved scalability and Further exploitation of z196 Code contention reduced to improvemult recessor linea Use of MQ Datasets rather than DB2 sign reardly improve	scaling "large"
availability on z/OS Customer control over CF storage use CF Connectivity Loss improvements Structure rebuild capability for CF Connectivity Loss scene	os
Improved Performance on Dist Improved multiprocessor exploitation Various code improvements	
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Administration Examples	SHARE
<pre>\$ /usr/mqm/bin/dspmqver -i Name: WebSphere MQ Version: 7.1.0.0 Level: p000-L110915 BuildType: IKAP - (Production) Platform: WebSphere MQ for AIX Mode: 64-bit O/S: AIX 6.1 InstName: Installation1 InstPath: /usr/mqm InstDesc: My default installation DataPath: /var/mqm Primary: Yes MaxCmd aveil: 710</pre>	\$ dspmq -o installation QMNAME(V71A) INSTNAME(Installation1) INSTPATH(/usr/mqm) INSTVER(7.1.0.0) QMNAME(V71B) INSTNAME(Installation1) INSTPATH(/usr/mqm) INSTVER(7.1.0.0) QMNAME(INST2QM) INSTNAME(Installation2) INSTPATH(/usr/mqm2/usr/mqm) INSTVER(7.1.0.0)
Name: WebSphere MQ Version: 7.1.0.0 InstName: Installation2 InstPath: /usr/mqm2/usr/mqm InstDesc: A second installation Primary: No	\$ /usr/mqm/bin/endmqm INST2QM AMQ5691: Queue manager 'INST2QM' is associated with a different installation.









Security: Channel Access Control
 Simplifying configuration for channel access
 Clients and queue managers
 Rules are based on
 Partner IP address Partner Queue Manager name SSL Distinguished Name mapping Asserted identity (including *MQADMIN option) Easy to test rules that you define DISPLAY CHLAUTH can "execute" rules Rules can be applied in WARNING mode Not actually blocked, but errors generated
 MIGRATION NOTE: Standard rules block clients on new queue managers "Secure by default" Migrated queue managers behave as before until you enable the rules Queue manager attribute CHLAUTH(ENABLED DISABLED) provides overall control





Channel Blocking an	d Mapping from the Expl	OTET SHARE
Create a Channel Authentication Record		
Choose whether to allow or block inhound connections	e New Channel Authentication Record	
choose whether to allow of block inboard connections.	Match part of the identity	
Use this wizard to create a rule to secure inbound connections over	Choose how we match inbound connections to this rule.	New Channel Authentication Record
When complete this rule will be saved as a channel authentication	Choose which part of the connections identity will be used for matching	Matching the channels
Choose whether inbound connections which match this rule will be access or blocked.	this rule to block access of this inbound connection to the queue mana	Identify the channels this new channel authentication rule applies to.
	Identity to match:	A channel profile identifies which channel or channels this rule applies to, and can
Rule type:	SSL/TLS subject's Distinguished Name	contain wildcards to allow the rule to match a number of different channels. Use the button and table below to confirm the correct pattern.
 Allow access 	Select this option if your channels use SSL or TLS and you want I	
Select this option if this rule is to be used to allow access to in connections	rule to match an SSL/TLS subject's Distinguished Name (taken fro	Channel profie: *
Block access	C Client application user ID	SYSTEM.*
Select this option if this rule is to be used to block access to in connections.	Select this option if you want this rule to match the user ID from client application machine.	Show matching channels
Warning mode	Final assigned user ID	Because you have selected Final assigned user ID, this rule applies only to server-connection channels.
Select this option if this rule will run in warning mode an	Select this option if you want this rule to match the user ID ultima assigned to the inbound connection, either by other rules or a se	Channel arms Channel time Queral channel status
actually block access. Mitched rules will only be reported	exit.	PSYSTEM ADMIN.SVRCONN Server-connection Running
	C Remote queue manager name	PSYSTEM.AUTO.SVRCONN Server-connection Inactive
	Select this option if you want this rule to match the queue manaç name from the remote machine.	SYSTEM.DEF.SVRCONN Server-connection Inactive
	C IP address	
	Select this ontion if you want this rule to match the IP address of	
		4
	< Back Next > Finish ()	l _è
		< Back Next > Finish Cancel
		**** 2012

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Channel Blocking and	d Mapping from the Expl	orer Share
New Channel Authentication Record		
Matching a list of user IDs Specify which user IDs will be matched by this rule. In order to block the final assigned user ID, provide the user IDs to or against. The final assigned user ID may be: 1. The user ID assigned by another map. 3. The user ID assigned by a security exit. This can be a single user ID or a list of comma separated user IDs. Th value *MQADMIN can be used to block all privileged users. User TDs to be blocked on server-connection channels in all cases: * *MQADMIN	Rever Channel Authentication Record Optional attributes Configure optional attributes for this rule. Description of rule: Bick admin attempts on default chl Configure this custom attribute with guidance from IBM Service:	Kew Channel Authentication Record Kew Channel Authentication Record X Summary Channel authenticaton rule summary and command preview. Press the finish button to save this rule in a channel authenticaton record in the queue manager. Settings to use to create the new channel authenticaton rule: Create a rule which apples to channels whose names match the pattern "SYSTEM+". Block inbound connections from any of these users "#MQADMEN".
(?) < Back Next > Finsh	ر کھور الاست کا مرکز کر کھر ال	Coguratifd preview: SET CHLAUTH("SYSTEM.") TYPE(BLOCKUSER) USERLIST("MQADMIN") DESCR("Block admin attempts on default cht") WARN(NO) ACTION(ADD)
		Cancel















Extract from Report	SHARE
MonitoringType: MQI Activity Trace QueueManager: 'V71' Host Name: 'rockall.hursley.ibm.com' CommandLevel: 710 ApplicationName: 'WebSphere MQ Client for Java' ApplicationPid: 18612354 UserId: 'mquser' ConnName: '9.20.95.106' Channel Type: MQCHT_SVRCONN Platform: MQPL_UNIX	
Time Operation CompCode MQRC HObj (ObjName) 10:04:09 MQXF_INQ MQCC_OK 0000 2 10:04:09 MQXF_CLOSE MQCC_OK 0000 2 10:04:09 MQXF_OPEN MQCC_OK 0000 4 10:04:09 MQXF_INQ MQCC_OK 0000 4 10:04:09 MQXF_CLOSE MQCC_OK 0000 4 10:04:09 MQXF_OPEN MQCC_OK 0000 4 10:04:09 MQXF_OPEN MQCC_OK 0000 4 10:04:09 MQXF_OPEN MQCC_OK 0000 4	JEUE)
(SHARE in Atlanta

Forthcoming release of MS0P	S H A R E
Application Activity Trace for Queue Manager V71_I1_A Application Count : 1 WebSphere MQ Client for Java' : from 2011-12-06 14:28:05 to 2011-12-06 14:28 Application Information	
E Tid Date Time Operation MQCC MQRC	
a 004 2011-12-06 14:28:05 CB OK 0000 (NONE	
- 004 2011-12-06 14:28:05 Callback	
004 2011-12-06 14:28:05 Ing Ok 0000 (NONE	
Object Type Queue	
Object Queue Manager Name	
Resolved Queue Name SYSTEM.ADMIN.COMMAND.QUEUE	
- Resolved Queue Manager V71_I1_A	
Resolved Local Queue Name SYSTEM.ADMIN.COMMAND.QUEUE	
 Resolved Local Queue Manager V71_I1_A 	
Resolved Type Queue	
Selector count I	
004 2011-12-06 14:28:35 Connx Ok	0000 (NONE
$\sim = \frac{1}{2} 004 2011 - 12 - 06 14:28:35 \text{ Open} $ Ok	0000 (NONE
Object Type Queue Manager	
Object Queue Manager Name	
Open Options 0x00000020 [ind	d]
Object Type Queue Manager	
Object Queue Manager Name	
Resolved Type Queue Manager	
Dynamic Queue Name AMQ.*	
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