Moab

Why does Moab append a qos from the IDCFG and not overwrite it?

Issue:

When using an identity manager Moab appends the QOS after removing and old QOS and adding a new QOS. In other words it appends instead of replacing the old qlist. Moab requires a restart to take the change. This defeates the dynamic nature of the identity manager.

Symptom:

[root@support-mpi etc]# mcredctl -d user:jbooth

user:jbooth successfully purged

please restart for changes to take effect

[root@support-mpi etc]# mdiag -u jbooth

evaluating user information

Name Priority Flags QDef QOSList* PartitionList Target Limits

jbooth 0 - - test3,test4 - 0.00 -

GDEF=jbooth

ADEF=root ALIST=root,condo,community

Message: profiling enabled (49 of 50 samples/00:30:00 interval)

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==========With just user:jbooth qdef=test1 then changed to test2==========

Every 2.0s: mdiag -u jbooth Fri Aug 7 04:06:51 2015

evaluating user information

Name Priority Flags QDef QOSList* PartitionList Target Limits

jbooth 0 - test1 test1 - 0.00 -

GDEF=jbooth

ADEF=lc ALIST=lc

Message: profiling enabled (49 of 50 samples/00:30:00 interval)

very 2.0s: mdiag -u jbooth Fri Aug 7 04:08:57 2015

evaluating user information

Name Priority Flags QDef QOSList* PartitionList Target Limits

jbooth 0 - test2 test1,test2 - 0.00 -

GDEF=jbooth

ADEF=lc ALIST=lc

Message: profiling enabled (49 of 50 samples/00:30:00 interval)

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==========Repeat with XML qdef=test3 then changed it to test4==========

FSTREE[tree] '<fstree>

<tnode name="root" type="acct" share="1">

<tnode name="condo" type="acct" share="1">

<tnode name="jbooth" type="user" qdef="test4" share="1"></tnode>

</tnode>

<tnode name="community" type="acct" share="1">

<tnode name="jbooth" type="user" share="1"></tnode>

</tnode>

</tnode>

</fstree>'

==========Repeat with XML qdef=test3 then changed it to test4==========

Moab appended instead of replacing the credential.

Every 2.0s: mdiag -u jbooth Fri Aug 7 04:10:46 2015

evaluating user information

Name Priority Flags QDef QOSList* PartitionList Target Limits

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jbooth 0 - - test3 - 0.00 -

GDEF=jbooth

ADEF=root ALIST=root,condo,community

Message: profiling enabled (49 of 50 samples/00:30:00 interval)

Every 2.0s: mdiag -u jbooth Fri Aug 7 04:12:34 2015

evaluating user information

Name Priority Flags QDef QOSList* PartitionList Target Limits

jbooth 0 - - test3,test4 - 0.00 -

GDEF=jbooth

ADEF=root ALIST=root,condo,community

Message: profiling enabled (49 of 50 samples/00:30:00 interval)

Solution:

Moab is looking for the QLIST and QDEF in this instance. Starting with "qdef=a qlist=a" and then changing to "qdef=b qlist=b". Here is an example use with the QDEF and QLIST set.

user:jbooth QDEF=test2 QLIST=test2

Unique solution ID: #1047
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