Moab

Why do my Moab/SLURM Jobs report "Invalid job credential" with srun?

Issue: Job that are launched with srun fail with:

[jbooth@support-slurm ~]$ srun -N2 -l -t 30 /bin/hostname
srun: Job is in held state, pending scheduler release
srun: job 500007 queued and waiting for resources
srun: job 500007 has been allocated resources
srun: error: Task launch for 500007.0 failed on node support-sn1: Invalid job credential
srun: error: Task launch for 500007.0 failed on node support-sn2: Invalid job credential
srun: error: **Application launch failed: Invalid job credential**
srun: Job step aborted: Waiting up to 32 seconds for job step to finish.
srun: error: Timed out waiting for job step to complete

Symptom: Jobs will start and then fail on "Invalid job credential".

Affeted Version: All

Solution:

You will need to setup ssh keys across the cluster to allow access to the compute nodes.

See **JobCredentialPrivateKey** and **JobCredentialPublicCertificate** in the man page for slurm.conf

JobCredentialPrivateKey
Fully qualified pathname of a file containing a private key used for authentication by Slurm
daemons. This parameter is ignored if CryptoType=crypto/munge.

JobCredentialPublicCertificate
Fully qualified pathname of a file containing a public key used for authentication by Slurm
daemons. This parameter is ignored if CryptoType=crypto/munge.

If you are using "CryptoType=crypto/munge", make sure that munged is running on all the compute nodes and that munge.key is the same across the cluster.

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